BW GOLD LTD
a subsidiary company of Artemis Gold Inc

Blackwater Gold Project

Wetland Management and Offsetting Plan

March 2024

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ACRONYMS AND ABBREVIATIONS

Aboriginal Groups or Indigenous nations	Lhoosk'uz Dené Nation, Ulkatcho First Nation, Nadleh Whut'en First Nation, Saik'uz First Nation, Stellat'en First Nation and Nazko First Nation (as defined in the Project's Environmental Assessment Certificate #M19-01)
AM	Aboriginal Monitors
Artemis	Artemis Gold Inc.
BACI	Before-After Control-Impact
BC	British Columbia
BCWF	British Columbia Wildlife Federation
BEC	Biogeoclimatic Ecosystem Classification
Blackwater or Project	Blackwater Project or Blackwater Gold Project
BMP	Best management practices
BW Gold	BW Gold LTD.
CDC	Conservation Data Centre
CEAA	Canadian Environmental Assessment Agency
CEMP	Construction Environmental Management Plans
CEO	Chief Executive Officer
CM	Construction Manager
CMMP	Caribou Monitoring and Management Plan
COO	Chief Operating Officer
CPD	Certified Project Description
CSFN	Carrier Sekani First Nations
CWEA	Consolidated Wetlands Effects Assessment
DS	Decision Statement
EA	Environmental Assessment
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office
EC	Environment Canada
ECCC	Environment and Climate Change Canada
ELoMC	Environmental Life of Mine Committee
EM	Environmental Manager
EMC	Environmental Monitoring Committee

EMLI	Energy, Mines and Low Carbon Innovation
EMS	Environmental Management System
ENV	Ministry of Environment and Climate Change Strategy
EPCM	Engineering, Procurement and Construction Management
ERM	ERM Canada Consultants Ltd
FA	Functional Area
FAA	Fisheries Authorization Act
FLNRO	Ministry of Forests, Lands and Natural Resource Operations
FLNRORD	Ministry of Forests, Lands, Natural Resource Operations and Rural Development
FS	Function Score
FSR	Forestry Service Road
FTP	File transfer protocol
GM	General Manager
Ha	Hectare
HDI	Hydrodynamic index
IAAC	Impact Assessment Agency of Canada
IEM	Independent Environmental Monitor
Indigenous groups or Aboriginal Peoples	Ulkatcho First Nation, Lhoosk'uz Dené Nation, Nadleh Whut'en First Nation, Stellat'en First Nation, Saik'uz First Nation, Nazko First Nation, Skin Tyee Nation, Tŝilhqot'in Nation, Métis Nation British Columbia, and Nee-Tahi-Buhn Band (as defined in the federal Decision Statement)
IPMP	Invasive Plant Management Plan
LDN	Lhoosk'uz Dené Nation
km	Kilometre
LSA	Local Study Area
m	Metre
MAR	Mine Access Road
MOF	Ministry of Forests
MP	Management Plans
NFN	Nazko First Nation
NGO	Non-governmental organization
NWFN	Nadleh Whut'en First Nation

PM	Project Manager
Project	Blackwater Gold Project
QP	Qualified Professional
RCP	Reclamation and Closure Plan
RFP	Request for proposal
SEPSCP	Surface Erosion Prevention and Sediment Control Plan
SFN	Saik'uz First Nation
SMR	Soil moisture regime
SNR	Soil nutrient regime
SOP	Standard Operating Procedure
StFN	Stellat'en First Nation
SROW	Statutory right of way
TEM	Terrestrial ecosystem mapping
TL	Transmission Line
TRIM	Terrain Resource Information Management
TSF	Tailings Storage Facility
UFN	Ulkatcho First Nation
VC	Valued Component
VMP	Vegetation Management Plan
VP	Vice President
WMMP	Wildlife Mitigation and Monitoring Plan
WMOP	Wetland Management and Offsetting Plan

1. PROJECT OVERVIEW

The Blackwater Gold Project (the Project) is a gold and silver open pit mine located in central British Columbia (BC), approximately 112 kilometres (km) southwest of Vanderhoof, 160 km southwest of Prince George, and 446 km northeast of Vancouver.

The Project is presently accessed via the Kluskus Forest Service Road (FSR), the Kluskus-Ootsa FSR, and an exploration access road, which connects to the Kluskus-Ootsa FSR at km 142. The Kluskus FSR joins Highway 16 approximately 10 km west of Vanderhoof. A new, approximately 13.8 km mine access road (MAR) will be built to replace the existing exploration access road, which will be decommissioned. The new planned access is at km 124.5. Driving time from Vanderhoof to the Mine Site is about 2.5 hours.

Major mine components include a tailings storage facility (TSF), ore processing facilities, waste rock, overburden and soil stockpiles, borrow areas and quarries, water management infrastructure, water treatment plants, accommodation camps, and ancillary facilities. The gold and silver will be recovered into a gold-silver doré product and shipped by air and/or transported by road. Electrical power will be supplied by a new approximately 135 km, 230 kilovolt (kV) overland transmission line (TL) that will connect to the BC Hydro grid at the Glenannan substation located near the Endako mine, 65 km west of Vanderhoof.

The Blackwater Mine Site is located within the traditional territories of Lhoosk'uz Dené Nation (LDN), Ulkatcho First Nation (UFN), Skin Tyee Nation, and Tŝilhqot'in Nation. The Kluskus and Kluskus-Ootsa FSRs and transmission line (TL) cross the traditional territories of Nadleh Whut'en First Nation (NWFN), Saik'uz First Nation (SFN), and Stellat'en First Nation (StFN; collectively, the Carrier Sekani First Nations [CSFNs]) as well as the traditional territories of the Nazko First Nation (NFN), Nee-Tahi-Buhn Band, Cheslatta Carrier Nation, and Yekooche First Nation (BC EAO 2019a, 2019b).

Project construction is anticipated to take two years. Mine development will be phased with an initial milling capacity of 15,000 tonnes per day (t/d) or 5.5 million tonnes per annum (Mtpa) for the first five years of operation. After the first five years, the milling capacity will increase to 33,000 t/d (12 Mtpa) for the next five years, and to 55,000 t/d or 20 Mtpa in Year 11 until the end of the 23-year mine life. The Closure phase is 24 to approximately 45 years, ending when the Open Pit has filled and the TSF is allowed to passively discharge to Davidson Creek, and the Post-closure phase is 46+ years.

New Gold Inc. (New Gold) received Environmental Assessment Certificate #M19-01 (EAC) on June 21, 2019 under the 2002 *Environmental Assessment Act* (BC EAO 2019c) and a Decision Statement (DS) on April 15, 2019 under the *Canadian Environmental Assessment Act, 2012* (CEA Agency 2019). In August 2020, Artemis Gold Inc. (Artemis) acquired the mineral tenures, assets, and rights in the Blackwater Project that were previously held by New Gold Inc. On August 7, 2020, the Certificate was transferred to BW Gold Ltd. (BW Gold), a wholly-owned subsidiary of Artemis, under the *2018 Environmental Assessment Act*. The Impact Assessment Agency of Canada (IAAC) notified BW Gold on September 25, 2020 to verify that written notice had been provided within 30 days of the change of proponent as required in Condition 2.16 of the DS, and that a process had been initiated to amend the DS.

BW Gold was required to develop a Wetlands Offsetting and Management Plan (WMOP) as part of its EAC – Condition 24. A first draft of the WMOP was completed in September 2021 and engagement with all the required First Nations (FN): LDN, UFN, Skin Tyee Nation, Tŝilhqot'in Nation, NWFN, SFN, StFN (collectively, the Carrier Sekani First Nations [CSFNs]), NFN, Nee-Tahi-Buhn Band, Cheslatta Carrier Nation, Yekooche First Nation, and regulators was initiated. The plan was revised in December 2021 and incorporated comments specifically addressing the lack of recent and accurate baseline data. Additional comments were received and incorporated into a draft that was submitted to the Environmental Assessment Office (EAO) in March 2022. Throughout the summer of 2022, baseline data on the location, type, and function of wetlands potentially affected by the Project were collected. In a letter dated 22 September 2022, EAO indicated that BW Gold may proceed to implement the draft WMOP, including

construction disturbance limited to plant site early works (Appendix A). However, the draft WMOP was not approved at the time, and changes were required to fully meet the requirements of Condition 24 in EAC #M19-01 for the Blackwater Gold Project. Engagement has continued with all required FNs and regulators specifically regarding how wetland function data were collected and used to evaluate the loss of wetland function due to Project development and offsetting requirements. Updates to the March 2022 draft WMOP were completed, and a revised draft WMOP submitted December 2022 to include additional information to meet the requirements of EAC #M19-01 Condition 24 and federal DS Condition 5, including the offsetting of lost wetland function through Project construction completion at Year 23. The WMOP was approved by EAO February 14, 2023 (Appendix A), with the following additional direction: (1) Engage in consultation with LDN and UFN to continue to evaluate Dykam Ranch as an offsetting option and consider other wetland initiatives as alternatives to fulfill the offsetting objectives of the plan; and (2) Update the plan to make it more concise and ensure it contains the necessary prescriptions and steps for implementation and to facilitate enforcement. This March 2024 update to the December 2022 draft WMOP plan addresses these requirements.

1.1 Spatial and Temporal Boundaries

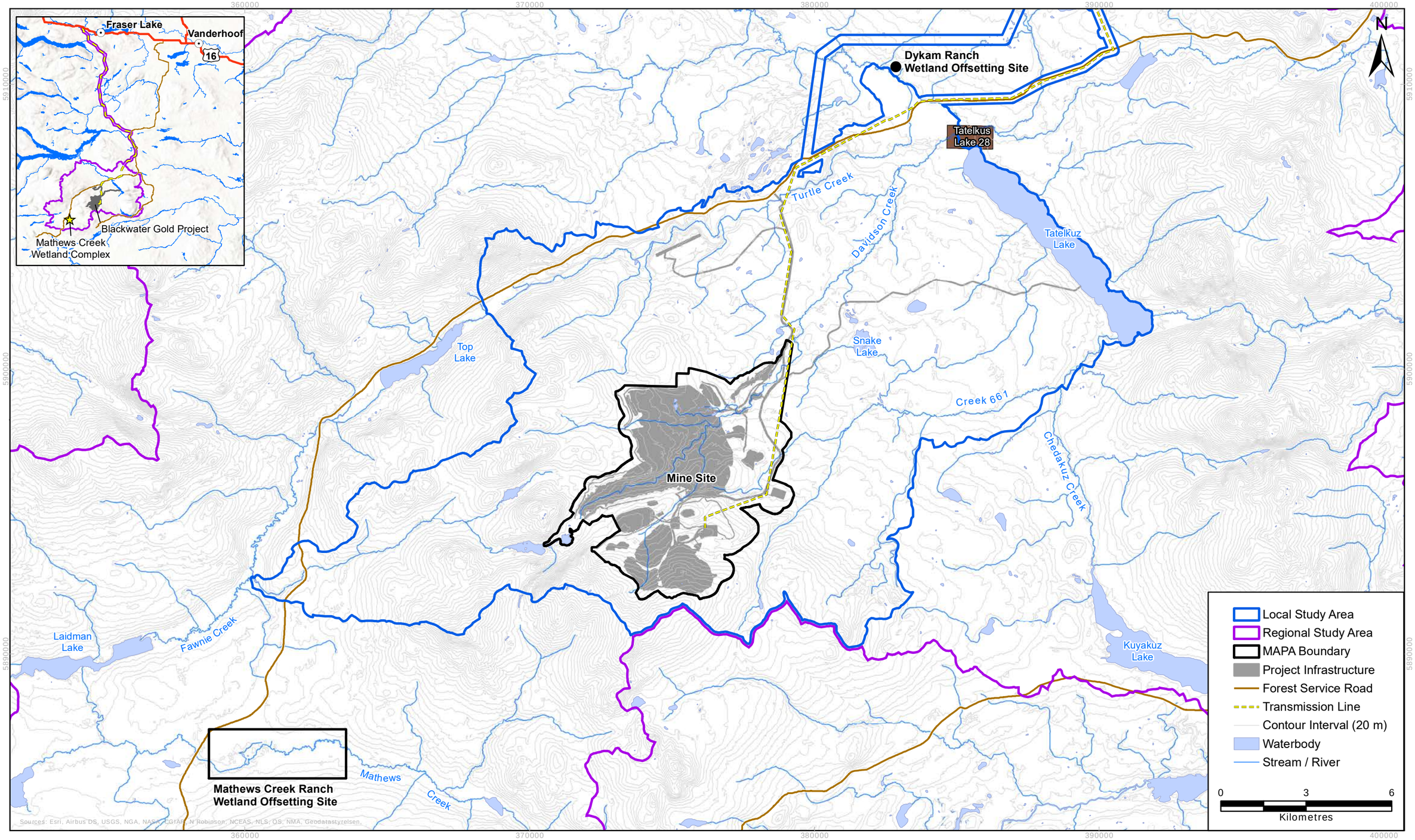
The Project effects assessment included six Project components: the Mine Site, Mine Access Road, Transmission Line, Freshwater Supply Pipeline, and Airstrip and Airstrip Access Road. The footprint of these Project components (i.e., the Mine Site and associated linear components) is referred to as the Project Area herein. The Mine Site local study area (LSA) and regional study area (RSA) for the wetland valued component (VC) used in the Application/EIS were based on watershed drainage basins where Project components have the possibility to affect hydrological resources. Table 1.1-1 provides descriptions of the study areas and the linear components, and Figure 1.1-1 shows the locations of these features. Additionally, offsetting areas at Mathews Creek Ranch and at Dykam Ranch were identified (Table 1.1-1; Figure 1.1-1).

Table 1.1-1: Description of Wetland LSA and RSA

Study Area	Description	
Local Study Area	Mine Site	Entire watersheds of Davidson Creek, Creek 661, Turtle Creek, and Creek 705. Tributaries flowing into the south side of Tatelkuz Lake; Chedakuz Creek from confluence with Creek 661 to Tatelkuz Lake; Chedakuz Creek from Tatelkuz Lake to confluence with Turtle Creek.
	Linear Components	■ Transmission Line: 50 m wide running along the length of the new alignment (134.3 km long) ■ Mine Access Road: 15 km long, 120 m wide corridor ■ Airstrip and Airstrip Access Road: Airstrip (2 km long, 200 m wide) including associated access road corridor (6 km long, 10 m wide) ■ Freshwater Supply Pipeline: Water Pipeline corridor (20 km long, 110 m wide)
Regional Study Area	Mine Site	Entire watershed of Chedakuz Creek not included in the LSA. Includes entire watershed of Laidman Lake not included in the LSA.
	Linear Components	Transmission line, mine access road, airstrip, freshwater supply pipeline, and Kluskus FSR upgrade – 500 m beyond the proposed linear component boundary.
Offsetting Sites	Mathews Creek Ranch	Located 12 km southwest of the Project in the Nechako River watershed.
	Dykam Ranch	Located 7 km northwest and downstream of Tatelkuz Lake, downstream of the Project in the Nechako River watershed.

Temporal boundaries include a 2-year Construction phase, 23-year Operations phase, approximately 24- to 45-year Closure phase, and the Post-closure phase currently estimated for a minimum of 46 years following Closure. For each of the four phases, a wetland impacts analysis was conducted for the wetland effects assessment using a single footprint that captured the site disturbances across time. The Project Area footprint reflected the extent of disturbance over these four phases. Consistent temporal boundaries were used in the Consolidated Wetlands Effects Assessment (CWEA; ERM 2017), except that the end of Closure was extended to Year 45, consistent with the current mine plan.

FIGURE 1.1-1 PROJECT AREA



ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-062

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:125,000 when printed at 11x17

2. PURPOSE AND OBJECTIVES

The purpose of the WMOP is to provide a summary of baseline data, mitigation measures, offsetting plans, and management and monitoring details for wetland function losses and gains. Additionally, the purpose of the plan is to meet the regulatory requirements in Condition 24 of the EAC, and Condition 5 of the DS. Through the development and implementation of this the WMOP, BW Gold commits to adhering to the Federal Policy on Wetland Conservation (Government of Canada 1991) of no net loss of wetland function.

The updated WMOP incorporates additional information collected the summer of 2023 and direction responds to comments provided by all parties. This updated WMOP also addresses the full scope of Project development construction activities. To ensure that wetlands are appropriately protected through the Construction phase, the primary mitigation measure in this WMOP is the avoidance of direct and indirect effects to mapped wetland areas. The WMOP applies to the full extent of the Project Area, including activities associated with Early Works, Construction, Operations, and Closure phases.

The objectives of this revised WMOP are to:

- Provide pre-construction maps that identify the extent and required minimum 30 m buffers to be flagged around all wetlands during Early Works and those wetlands not being lost during the Construction phase. The Independent Environmental Monitor (IEM) will be provided with the opportunity to observe clearing taking place in proximity to flagged wetland areas during site visits. Aboriginal Group Monitors on rotation at the time of the IEM visits will be invited to participate in the IEM visits;
- Summarize workplan objectives and findings for wetland baseline fieldwork conducted in 2022;
- Evaluate wetland function and quantify predicted loss of wetland function in addition to loss of wetland area, where impacts to wetlands are unavoidable; and
- Describe details regarding the wetland offsetting activities and restoration prescriptions for offsetting sites including Mathews Creek Ranch, Dykam Ranch, and other potential areas, to facilitate implementation and enforcement.

The above WMOP objectives are consistent with the objectives in the Environmental Assessment Certificate (EAC) conditions, which include:

- Describe the current state of baseline knowledge of wetlands in the Project area;
- Describe the wetlands that would be altered or lost as a result of the Project based on baseline data;
- Describe potential effects on wetland functions;
- Identify the measures to mitigate wetland impacts;
- Describe the offsetting measures, including a schedule and timeline for implementation;
- Describe the program to monitor the effectiveness of the mitigation measures and offsetting; and
- Describe how input from Indigenous groups was considered in developing the WMOP.

In terms of offsetting lost or altered wetlands, this updated WMOP takes a holistic ecosystem approach to offsetting, whereby the wetland restoration effort focuses on creating the environmental conditions conducive to the recovery of wetlands as well as surrounding habitat areas, including riparian zones, and open water. Maintaining the interconnectivity of habitat types promotes the health of the ecosystem and maximizes functionality. Ecosystem restoration strategies are aimed at places of disturbance where ecosystem functions, habitats, and communities have been degraded/reduced, lost, or are threatened.

3. ROLES AND RESPONSIBILITIES

BW Gold has the obligation of ensuring that all commitments are met and that all relevant obligations are made known to mine personnel and site contractors during all phases of the mine life. A clear understanding of the roles, responsibilities, and level of authority that employees and contractors have when working at the Mine Site is essential to meet Environmental Management System (EMS) objectives.

Table 3-1 provides an overview of general environmental management responsibilities during all phases of the mine life for key positions that will be involved in environmental management. Other positions not specifically listed in Table 3-1 but who will provide supporting roles include Independent Environmental Monitor, an Engineer of Record for each tailings storage facility and dam, an Independent Tailings Review Board, TSF qualified person, geochemistry qualified professional, and other qualified persons and Qualified Professionals (QP).

Table 3-1: BW Gold Roles and Responsibilities

Role	Responsibility
Chief Executive Officer (CM)	The CEO is responsible for overall Project governance. Reports to the Board.
Chief Operating Officer (COO)	The COO is responsible for engineering and Project development and coordinates with the Mine Manager to ensure overall Project objectives are being managed. Reports to CEO.
Vice President (VP) Environment & Social Responsibility	The VP Environment & Social Responsibility is responsible for championing the Environmental Policy Statement and EMS, establishing environmental performance targets, and overseeing permitting. Reports to COO.
General Manager (GM) Development	The GM is responsible for managing project permitting, the Project's administration services and external entities, and delivering systems and programs that ensure Artemis's values are embraced and supported: Putting People First, Outstanding Corporate Citizenship, High Performance Culture and Rigorous Project Management and Financial Discipline. Reports to COO.
Mine Manager	The Mine Manager, as defined in the *Mines Act*, has overall responsibility for mine operations, including the health and safety of workers and the public, EMS implementation, overall environmental performance and protection, and permit compliance. The Mine Manager may delegate their responsibilities to qualified personnel. Reports to GM.
Construction Manager (CM)	The CM is accountable for ensuring environmental and regulatory commitments and obligations are being met during the Construction phase. Reports to GM.
Environmental Manager (EM)	The EM is responsible for the day-to-day management of the Project's environmental programs and compliance with environmental permits, updating EMS and MPs. The EM or designate will be responsible for reporting non-compliance to the CM, and Engineering, Procurement and Construction Management (EPCM) contractor, other contractors, the Company, and regulatory agencies, where required. Supports the CM and reports to Mine Manager.
Departmental Managers	Departmental Managers are responsible for implementation of the EMS relevant to their areas. Report to Mine Manager.
Indigenous Relations Manager	Indigenous Relations Manager is responsible for Indigenous engagement throughout the life of mine. Also responsible for day-to-day management and communications with Indigenous groups. Reports to VP Environment & Social Responsibility.

Role	Responsibility
Community Relations Advisor	Community Relations Advisor is responsible for managing the Community Liaison Committee and Community Feedback Mechanism. Reports to Indigenous Relations Manager.
Environmental Monitors	Environmental Monitors (includes Environmental Specialists and Technicians) are responsible for tracking and reporting on environmental permit obligations through field-based monitoring programs. Report to EM.
Aboriginal Monitors (AM)	Aboriginal Monitors are required under EAC #M19-01 Condition 17 and will be responsible for monitoring for potential effects from the Project on the Indigenous interests. Aboriginal Monitors will be involved in the adaptive management and follow-up monitoring programs. Report to EM.
Employees and Contractors	Employees are responsible for being aware of permit requirements specific to their roles and responsibilities. Report to departmental managers.
Qualified Professionals and Qualified Persons	Qualified professionals and qualified persons will be retained to review objectives and conduct various aspects of environmental and social monitoring as specified in EMPs and social MPs.

BW Gold will employ a qualified person as an EM who will ensure that the EMS requirements are established, implemented, and maintained, and that environmental performance is reported to management for review and action. The EM is responsible for retaining the services of Qualified Persons or QPs with specific scientific or engineering expertise to provide direction and management advice in their areas of specialization. The EM will be supported by a staff of Environmental Monitors that will include Environmental Specialists and Technicians and by a consulting team of subject matter experts in the fields of environmental science and engineering.

During the Construction phase, BW Gold will be entering into multiple EPCM contracts, likely for the Transmission Line, Process Plant, Tailings and Reclaim System, and 25kV Power Distribution. Each engineer/contractor will have their own CM and there will be a BW Gold responsible Project Manager (PM) and/or Superintendent who ultimately reports to the GM Development. Some of the scope, such as the TSF and Water Management Structures will be self-performed by BW Gold, likely using hired equipment. Other smaller scope packages may be in the form of EPCM contracts. The EPCM contractors will report to the CMs who will ultimately be responsible for ensuring that impacts are minimized, and environmental obligations are met during the Construction phase. For non-EPCM contractors, who will perform some of the minor works on site, the same reporting structure, requirements, and responsibilities will be established as outlined above. BW Gold will maintain overall responsibility for management of the construction and operation of the Mine Site and will therefore be responsible for establishing employment and contract agreements, communicating environmental requirements, and conducting periodic reviews of performance against stated requirements.

The CM is accountable for ensuring that environmental and regulatory commitments/obligations are being met during the Construction phase. The EM will be responsible for ensuring that construction activities are proceeding in accordance with the objectives of the EMS and associated Management Plans (MPs). The EM or designate will be responsible for reporting non-compliance to the CM and EPCM contractor, other contractors, and regulatory agencies, where required. The EM or designate will have the authority to stop any construction activity that is deemed to pose a risk to the environment; work will only proceed when the identified risk and concern have been addressed and rectified.

Environmental management during operation of the Project will be integrated under the direction of the EM, who will liaise closely with departmental managers and will report directly to the Mine Manager.

The EM will be supported by the VP of Environment and Social Responsibility in order to provide an effective and integrated approach to environmental management and ensure adherence to corporate environmental standards. The EM will be accountable for implementing the approved MPs and reviewing them periodically for effectiveness. Departmental area managers (e.g., mining, milling, and plant/site services) will be directly responsible for implementation of the EMS and MPs relevant to their areas. All employees and contractors are responsible for daily implementation of the practices and policies contained in the EMS.

During Closure and Post-closure, staffing levels will be reduced to align with the level of activity associated with these phases. Prior to initiating closure activities, BW Gold will revisit environmental and health and safety roles and responsibilities to ensure the site is adequately resourced to meet permit monitoring and reporting requirements. The Mine Manager will have overall responsibility for Closure and Post-closure activities at the Mine Site.

Pursuant to Condition 19 of the Project's EAC and the requirements of the *Mines Act* permit, BW Gold has established an Environmental Life of Mine Committee (ELoMC; formerly the EMC [Environmental Monitoring Committee]), to facilitate information sharing and provide advice on the development and operation of the Project, and the implementation of EAC conditions, in a coordinated and collaborative manner. Committee members include representatives of the EAO, UFN, LDN, NWFN, StFN, SFN, NFN, Ministry of Energy, Mines and Low Carbon Innovation (EMLI), Ministry of Environment and Climate Change Strategy (ENV), and Ministry of Forests, Lands, Natural Resource Operations and Rural Development (FLNRORD).

4. COMPLIANCE OBLIGATIONS, GUIDELINES, AND BEST MANAGEMENT PRACTICES

This section describes the legislation, obligations, guidelines, and best management practices that relate to this plan.

4.1 Legislation

Federal legislation or regulations applicable to the WMOP includes:

- *Canadian Environmental Protection Act*, 1999;
- *Fisheries Act*, 1985;
- *Impact Assessment Act*, 2019;
- *Migratory Birds Convention Act*, 1994;
- *Species at Risk Act*, 2002; and
- *United Nations Declaration on the Rights of Indigenous Peoples Act*, 2021.

Provincial legislation or regulations applicable to the WMOP includes:

- *Declaration on the Rights of Indigenous Peoples Act*, 2019;
- *Environmental Assessment Act*, 2018;
- Riparian Areas Protection Regulation (BC Reg. 178/2019) under the *Riparian Areas Protection Act*, 2016;
- *Riparian Areas Protection Act*, 2016;
- *Forest and Range Practices Act*, 2002;
- *Land Act*, 1996;
- *Mines Act*, 1996;
- Health, Safety and Reclamation Code for Mines in BC (BC EMLI 2022); and
- *Water Sustainability Act*, 2014.

4.2 Environmental Assessment Certificate and Decision Statement Conditions

The WMOP addresses the requirements in EAC Condition 24 and federal DS Conditions 5.1 to 5.5. Concordance tables identifying where the requirements in the EAC and DS are addressed in the WMOP are identified in Appendix B and Appendix C of this document, respectively.

4.3 Guidelines and Best Management Practices

Guidance documents that have informed the mitigation measures and best management practices to mitigate wetland impacts include:

- Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004);
- Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia (Cox and Cullington 2009);

- Forested Wetlands – Functions, Benefits and the Use of Best Management Practices (Welsh et al. 1995);
- Approved Work Practices for Managing Riparian Vegetation. A Guide to Incorporating Riparian Environmental Concerns into the Management of Vegetation in BC Hydro's Transmission and Distribution Corridors (BC Hydro 2003);
- Guidance on Measures to Protect Fish and Fish Habitat (DFO 2019);
- The Federal Policy on Wetland Conservation (Government of Canada 1991);
- Riparian Management Area Guidebook (BC MOF 1995);
- Operational Framework for Use of Conservation Allowances (Environment Canada (EC) 2012);
- Develop With Care, Environmental Guidelines for Urban and Rural Land Development in British Columbia (BC MOE & BC MFLRNO 2014);
- The Federal Policy on Wetland Conservation Guidance for Application and Implementation in Environmental Assessment (EC 1996); and
- Wetlands Ecological Functions Assessment: An Overview of Approaches (Hanson et al. 2008).

4.4 Existing Permits

Aside from the DS and EAC conditions identified in Section 4.2, there are no other existing permit requirements or conditions related to wetlands. In order to implement the wetland offsetting, it is anticipated that permits will be required under the *Land Act* and *Water Sustainability Act*. Applicable applications under those Acts have been made.

4.5 Linkage to Other Management Plans

The WMOP is linked to the:

- Reclamation and Closure Plan (RCP; Chapter 4 of the Joint Mines Act/Environmental Management Act Permits Application [Application]);
- Construction Environmental Management Plan (CEMP; Appendix 9-C of the Application);
- Surface Erosion Prevention and Sediment Control Plan (SEPSCP; Appendix 9-A of the Application);
- Vegetation Management Plan (VMP; Appendix 9-F of the Application);
- Invasive Plant Management Plan (IPMP; Appendix 9-G of the Application);
- Wildlife Mitigation and Monitoring Plan (WMMP; Appendix 9-H of the Application); and
- Fish habitat compensation plans required by DS Condition 3.11.

5. ADAPTIVE MANAGEMENT FRAMEWORK

The WMOP is a living document that will evolve over time in response to the results of the wetland monitoring program and engagement with Indigenous groups and regulatory agencies, changing conditions or development at the Mine Site, and updates to scientific methods.

This revised version of the plan is intended to satisfy the management of impacts to wetlands from Project construction and operation, with additional input from LDN and UFN specifically addressing:

- Results of 2022 baseline studies, including the extent and classification of wetlands within the Project Area, Mathews Creek Ranch offsetting site, and Dykam Ranch offsetting site;
- Results of wetland function offsetting evaluations to identify the amount of wetland function loss requiring offsetting, and the amount of wetland function gain associated with the Mathews Creek Ranch and Dykam Ranch offsetting sites;
- Identification of wetland offsetting activities (restoration) at Mathews Creek Ranch and wetland conservation and enhancement approach for the Dykam Ranch offsetting site; and
- Identification of additional offsetting projects, if any, to meet the requirements of EAC Condition 24 and DS Condition 5 to offset losses of wetland functions caused by the Project.

The WMOP incorporates the adaptive management process as follows:

- **Plan**
  - Conduct pre-construction surveys within the Project Area to confirm absence of blue- or red-listed wetlands, as well as wetland extent, class, and function.
  - Confirm potentially lost or altered wetlands.
  - Develop offsetting plan.
- **Do**
  - Implement mitigation and management measures.
  - Implement offsetting plan.
- **Monitor**
  - Conduct wetland monitoring and prepare related reports.
  - Prepare DS and EAC annual reports.
- **Adjust**
  - Review the effectiveness of the implementation of offsets and mitigation measures using an adaptive management approach, whereby monitoring results are used to respond to changing field conditions in a way that will promote the success of the restoration work.
  - Update the WMOP as required to identify implemented and/or planned adaptive management measures.

6. TRAINING AND AWARENESS

Employees and contractors will receive training in wetland management and awareness on their arrival on site through an environmental on-boarding training session and prior to the start of work as part of the Site Orientation. Site supervisors will be provided with a copy of the WMOP and will receive additional training with respect to the requirements that are outlined in operational Standard Operation Procedures (SOPs). The purpose of this training is to provide all site personnel with an awareness level of understanding of their obligations regarding compliance with regulatory requirements, commitments, and best practices.

BW Gold will regularly review and update this plan and provide refresher training when there are changes to the plan including changes to monitoring, and adaptive management thresholds and related management responses.

BW Gold offered to host a wetlands awareness workshop with LDN and UFN in fall of 2022. BW Gold remains open to a wetland awareness workshop with LDN and UFN at the Project site and will propose a workshop at a time when active work on wetlands restoration, or associated activities such as seed collections, are occurring to provide a substantive opportunity for information sharing.

7. WETLAND BASELINE INFORMATION

Baseline conditions were surveyed for the Project Area and the Mathews Creek Ranch offsetting site in 2022. The 2022 surveys increased sampling intensity and updated field survey work previously conducted within the Mine Site LSA from 2011 to 2013, and Transmission Line in 2017. All wetland sample locations are shown on Figure 7.1-1.

As a result of the change to the Transmission Line alignment during the EA process in response to NWFN, StFN, and SFN concerns, additional wetland surveys were undertaken in July 2017 along the entire length of the proposed new alignment and three re-routes to confirm wetland locations and identify wetland types. These July 2017 wetland surveys were updated by the pre-construction wetland surveys of the selected route conducted during the summer of 2022.

Within the Project Area, a total of 560 wetland-related surveys were completed summer 2022 compared to 209 wetland-related surveys completed between summer 2011 and summer 2013 in the Mine Site LSA (Appendix 5.1.2.5A in Appendix Volume 8 of the Project's Application for an Environmental Assessment Certificate/Environmental Impact Statement [Application/EIS]; New Gold 2015). The methods used to undertake the 2022 wetland surveys are summarized in Section 7.2 and detailed in Appendix D. Section 7.3 provides a summary of the baseline survey results.

7.1 Site Selection and Study Area

Additional pre-construction wetland baseline surveys were conducted by EcoLogic in 2022 in collaboration with LDN and UFN. The scope of work for the surveys included the Mine Site and associated linear features (i.e., Project Area), and the Mathews Creek Ranch offsetting site. Potential offsetting sites were selected in consultation and discussion with First Nations and regulators during the Project permitting phase. Factors for selecting offsetting sites include proximity to the Project Area, regional importance, wetland function, as well as restoration potential. These criteria are discussed in further detail in Section 9.

In 2023, an additional six potential offsetting areas were identified and assessed for potential as wetland offsets in collaboration with LDN and UFN, including sites along Creek 661, Van Tyne Creek, around Jonny Lake and Fawnie Creek, Laidman Lake, Tatscha Lake and a group of sites along the south shore of Natalkuz Lake (EcoLogic 2024; Appendix E).

7.1.1 Project Area

In 2011 and 2013, baseline wetland surveys occurred as part of the Terrestrial Ecosystem Mapping (TEM) within the Mine Site LSA to inform the EA. In 2017, wetland baseline surveys were conducted along the Transmission Line routing options. In 2022, further wetland baseline studies were conducted throughout and adjacent the CWEA boundary to meet Project-specific EAC and DS conditions, including detailed (i.e., 1:5,000 scale) mapping of wetland extent, wetland classification, identification of red-and-blue-listed wetlands, and an assessment of wetland function.

7.1.2 Mathews Creek Ranch Offsetting Site

In 2013, BW Gold purchased two private land parcels at the Mathews Creek Ranch offsetting site. The selection of Mathews Creek Ranch as an offsetting site was the outcome of discussions with First Nations and regulators during the Project permitting phase. These parcels of privately owned land overlap sections of the Mathews Creek wetland complex; the remaining area being Crown land. For the purposes of wetland offsetting, BW Gold delineated the predicted original extent of the Mathews Creek Ranch wetland complex and conducted baseline field surveys throughout the area (see Figure 7.1-2). The Mathews Creek Ranch offsetting site includes 229.99 hectares (ha) of wetlands, as delineated and classified in 2022.

FIGURE 7.1-1 MINE SITE BASELINE WETLAND SURVEY PLOTS

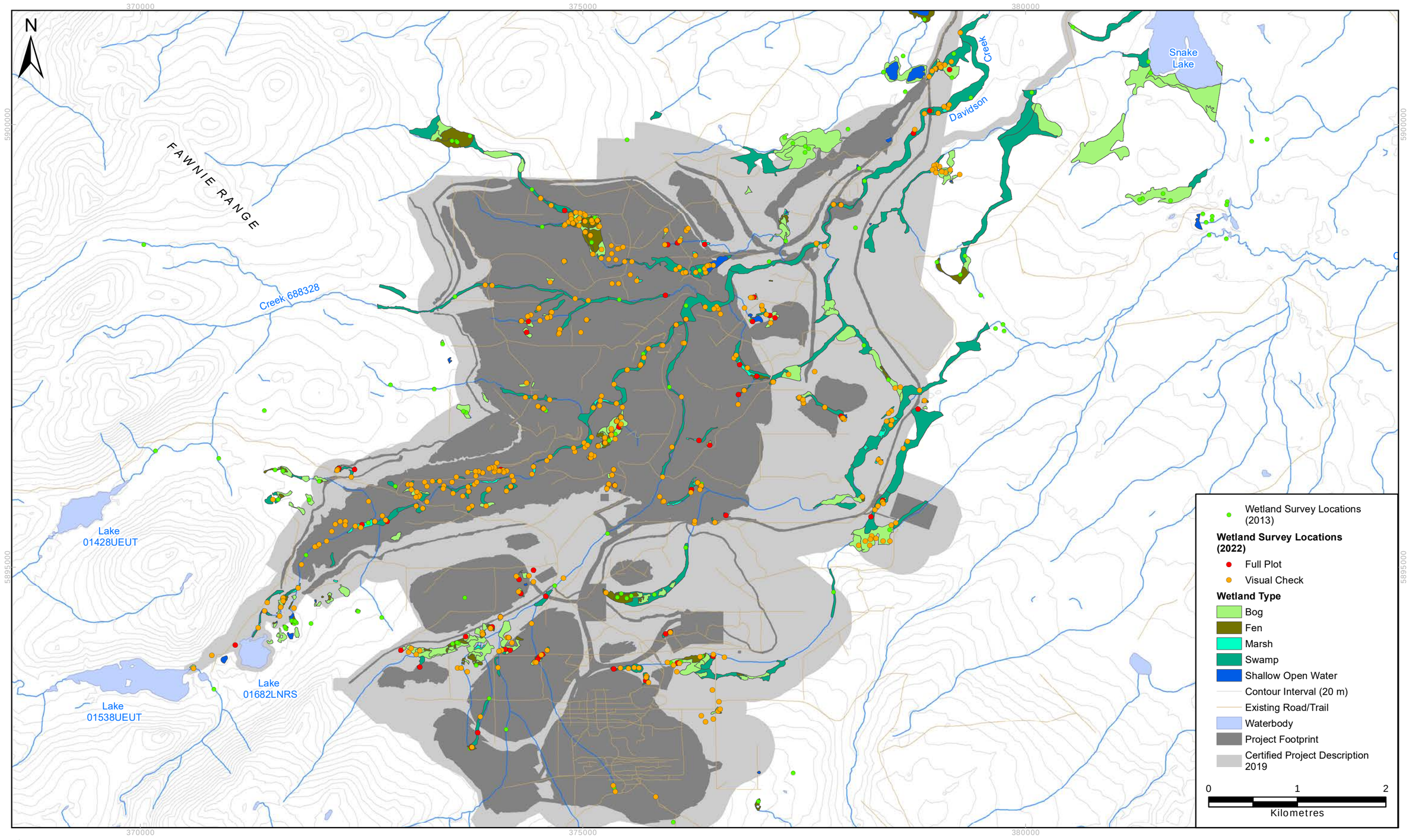


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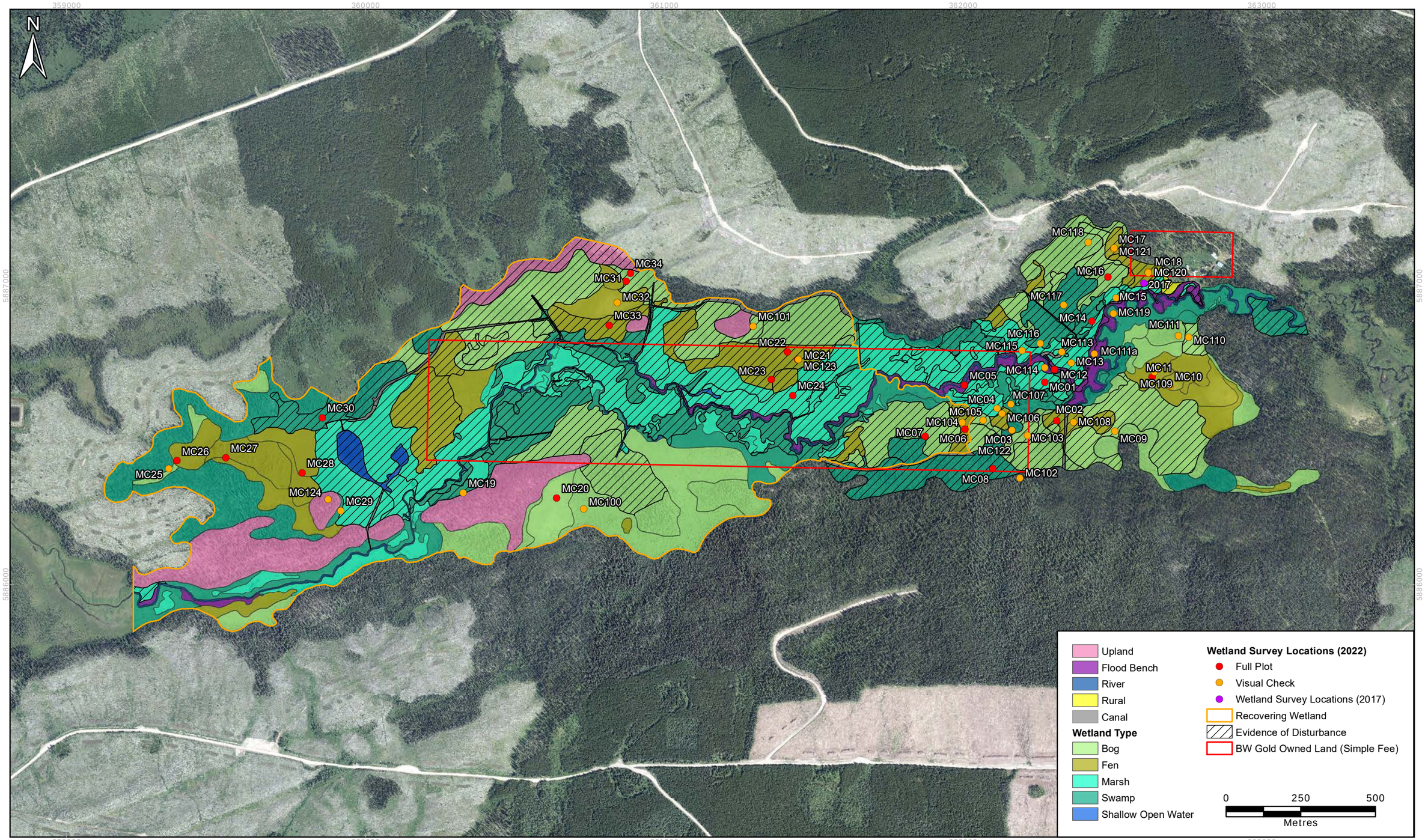
FIGURE 7.1-2 MATHEWS CREEK RANCH BASELINE WETLAND SURVEYS (2022)



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7.1.3 Capoose Caribou Offsetting Site

A Caribou Monitoring and Management Plan (CMMP) was developed to present mitigation and monitoring measures that will be implemented to avoid, reduce, and offset the Project's adverse effects on caribou and critical habitat. One of the objectives of the CMMP was securement of the approximately 11,000 ha Capoose offset area and reclamation of forestry roads within. The road rehabilitation activities are expected to also restore wetland function to an estimated 6.3 ha (Section 9.7) of wetlands currently impacted by roads (Figure 9.3-1). These restoration sites have not yet been surveyed because they remain in the planning phase and therefore do not have the same level of detailed data available as Mathews Creek Ranch at this time.

7.1.4 Dykam Ranch Offsetting Site

BW Gold legally formalized a set of agreements including a statutory right of way (SROW) and license agreement with the private landowner of Dykam Ranch to secure opportunities for conversation and enhancement of the Dykam Ranch wetland complex and Chedakuz Creek riparian area. Based on preliminary field reconnaissance undertaken in 2022, Dykam Ranch offsetting site includes 247.7 ha of wetlands (Figure 7.1-3). To date, Dykam Ranch offsetting site has not been surveyed at the same intensity as the Project Area and Mathews Creek Ranch offsetting site (see Section 9.4); however, BW Gold intends to undertake the same baseline data collection for Dykam Ranch in the future to inform accurate wetland offset accounting.

7.1.5 Other Potential Offsetting Sites

In 2023, BW Gold, in collaboration with LDN and UFN, investigated additional candidate offsetting sites throughout the traditional territories of LDN and UFN. EcoLogic authored an Offset Alternatives Proposal (2024; Appendix E) providing details of other potential offsetting sites that met the requirements of both the *Fisheries Authorization Act* (FAA) Condition 6.3 and the WMOP approval letter (Appendix A). These included six potential sites that could provide opportunities for fish habitat and/or wetland restoration. Each site was selected to reduce fragmentation and maximize connectivity with existing habitat (EcoLogic 2024).

Offset area selection criteria were determined through a series of meetings with BW Gold, LDN and UFN, and included:

- Location on private or public land;
- Location within LDN and/or UFN territory;
- Supportive of colocation of fish and wetlands offsets (i.e., one area that covers both in an ecosystem approach);
- Easily accessible;
- Location within the Capoose High Elevation Ungulate Winter Range Offsetting Area (defined in the Caribou Mitigation and Monitoring Plan); and
- If existing data on the potential offset area is currently available (EcoLogic 2024).

Additional prioritization criteria were identified in consideration for the final selection of potential additional offsetting sites prior to the field verification program and after the restoration modelling was completed, including:

- Within 30 km of the mine site;
- Crown ownership;

- Territory overlap;
- Buffer from Entiako Park to reduce future wildfire risk;
- Able to support both wetland and fish habitat; and
- Location within 1 km of salmonoid bearing waters due to impacts to rainbow trout habitat as a result of the Project (EcoLogic 2024).

EcoLogic used remote sensing data to classify and map landcover, which was then used as R inputs to spatially inform restoration planning options for fish habitat and wetlands. A summary of the modelling criteria implemented is provided in Table 7.1-1.

Table 7.1-1: Summary of Modelling Criteria

Site	Ownership	Territory	Fish Habitat and Wetlands	Accessibility	Capoose Winter Range	Existing Data Available	Distance from Mine Site (km)
Creek 661	Crown	LDN	Yes	Existing road access	No	Yes	2
Laidman Lake	Crown	LDN/UFN	Yes	Existing road access	No	Yes	18
Johnny Lake	Crown	LDN/UFN	Yes	Existing road access	No	Yes	30
Van Tine	Crown	LDN/UFN	Yes	Existing road access	Adjacent	Yes	23
Tatscha Lake	Crown	LDN/UFN	Yes	Limited road access	No	Yes	21
Northern Sites	Crown	LDN/UFN	Yes	Existing road access	No	Yes	21-28

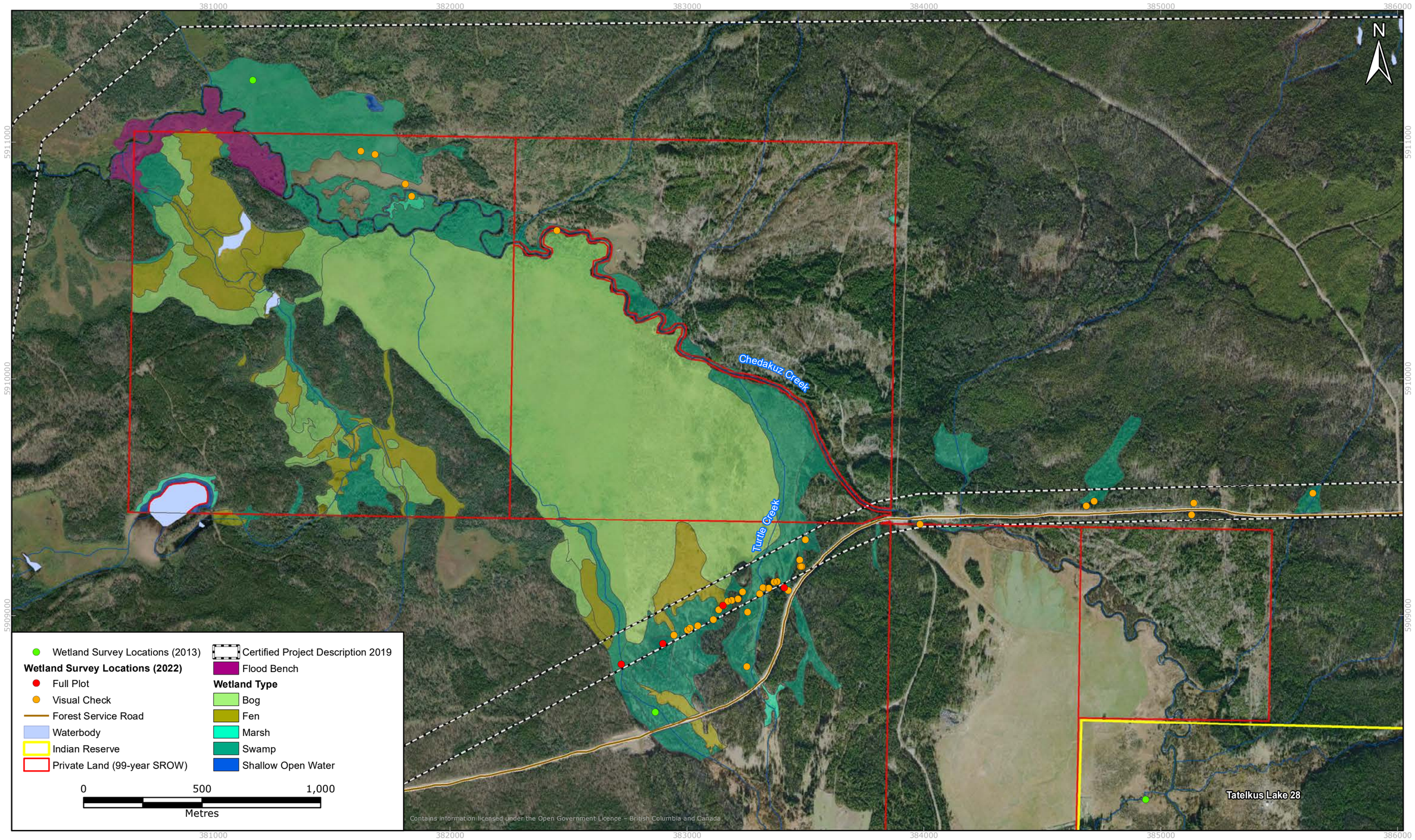
Source: EcoLogic (2024)

Along Creek 661 a remotely sensed area was identified and ground-truthed; however, based on the success of the regeneration of forest values observed, it was not identified as good candidate site for wetland offsetting.

Along Van Tyne Creek there is a wetland complex within a large valley. While recent cutblocks were observed in the valley, they either maintained appropriate wetland buffers or were located at higher elevations away from the valley bottom wetland complex. No effects associated with recent wildfire were observed at this site. While this site was identified as having some potential for offsetting, access was noted to be difficult and therefore limited. Although some roads exist, they do not appear to be hindering wetland hydrology (as evidenced by overland flow despite the late season survey).

Around the Jonny Lake and Fawnie Creek area, recent logging and wildfire activity was observed to be affecting the ecosystem function of the lake. A heavily disturbed and degraded riparian area was noted, and evidence of a suspected drying trend was observed, resulting in this site being identified as having the best potential of the six sites for wetland offsetting. The site would require further investigation to quantify potential function wetland offsetting gains. Estimated areas of restoration opportunities are identified in Section 9.5, Table 9.5-1.

FIGURE 7.1-3 DYKAM RANCH WETLAND



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Around Laidman Lake limited disturbance was observed and therefore, no restoration opportunities were detected.

The area identified around Tatscha Lake and the group of sites along the south shore of Natalkuz Lake were not visited in 2023 due to access limitations and indicated lower priority to LDN and UFN.

Further details of the potential restoration sites and their suability for restoration following the FAA and WMOP can be found in Section 9.5 and Appendix E.

7.2 Pre-construction Surveys

BW Gold developed a scope of work in collaboration with LDN and UFN to survey wetlands within the Project Area in 2022. The scope of work, implemented between June and August 2022, provided the wetland mapping and function assessment data used in this updated WMOP. This included identification of the specific spatial location and classification of each wetland located within the Project Area boundaries. The survey objectives were also to confirm the presence/absence of red- or blue-listed wetlands, and to assess wetland type, function, and extent.

As required by EAC Condition 24(b), these results are used to provide a detailed description of each wetland that will be lost or altered on the Mine Site as discussed in Appendix F. Appendix F also provides an assessment of each wetland and wetland function that would be lost or altered using the wetland function rubric, and the location and extent of these wetlands in relation to the local watershed. Further discussions and conclusions regarding wetland offsetting accounting are provided in Section 9.

Wetlands were assessed using standard methodology as per the Field Manual for Describing Terrestrial Ecosystems, 2nd Edition (BC MOF and MOE 2010) and classified according to the Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004). Additional data collected included water quality, hydrodynamic index, ecosystem function assessments, carbon storage and a condition assessment following the Protocol for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation; Fletcher et al. 2021). All field data are included in Appendix H.

Comprehensive baseline information outlining field survey methods, field data collection, wetland classification, and evaluation of wetland functions can be found in Appendix D.

7.3 Summary of Baseline Results

Wetlands within areas surveyed are consistent with expectations and conform to provincially available information (i.e., MacKenzie and Moran 2004). The wetlands intersecting the Project Area (Mine Site, Transmission Line, Mine Access Road, Airstrip and Airstrip Access Road, and Freshwater Supply Line), based on the Year 23 Full Build-out footprint, are generally small (less than 5 ha), treed, and associated with riparian areas. Wetlands at the Mathews Creek Ranch offsetting site and Dykam Ranch offsetting site are large (greater than 100 ha) wetland complexes containing all five wetland classes. Large wetland complexes like those identified at the offsetting sites appear limited in the local landscape or threatened by forestry and agriculture. Detailed plot, vegetation, and soil baseline data for the surveyed wetlands are provided in Appendix H. All wetland area data reported in the WMOP is current to 2024. This included a December 2022 update to baseline data (EcoLogic 2023; EcoLogic 2022a), as well as updated spatial data for wetland polygon mapping (February 2024) and Mathews Creek Ranch Pond footprints (December 2023). Other identified potential offsetting sites have not yet been assessed for baseline wetland condition (Section 7.1.5; Appendix E).

Tables 7.3-1, 7.3-2, and 7.3-3 provide the wetland areas by class, as well as total wetland areas, for the Project Area, Mathews Creek Ranch offsetting site, and Dykam Ranch offsetting site respectively. Figure 7.1-1 shows wetland sampling plot locations surveyed for the Project Area and Mathews Creek

Ranch offsetting site. Figure 7.1-2 shows Mathews Creek Ranch offsetting site wetlands and plot locations in more detail.

Table 7.3-1: Wetlands by Class that Overlap Project Area (Year 23 Full Build-out Footprint)

Project Component[1]	Wetland Area (ha)					Total
	Bog	Fen	Marsh	Shallow Open Water	Swamp	
Mine Site	57.88	12.79	6.59	2.93	99.97	**180.16**
Mine Access Road	0.34	0.07	0.00	0.00	51.78	**52.18**
Transmission Line	11.94	15.58	0.29	0.00	94.14	**121.96**
Airstrip and Airstrip Access Road	0.00	0.00	0.00	0.00	2.42	**2.42**
Freshwater Supply Line	5.09	2.74	0.00	0.00	9.19	**17.02**
Total	**75.25**	**31.18**	**6.88**	**2.93**	**257.50**	**373.74**

Notes:

Includes wetland polygons that overlap (to any degree) the Predicted Year 23 Full Build-out footprint. This was achieved by selecting wetland polygons based on the spatial intersection with the Predicted Year 23 Full Build-out footprint, and full area of wetland reported.

[1] Project Component assigned based on the intersecting feature within the Year 23 Full-Build Out Footprint. Where multiple project components overlap the same wetland polygon, feature attribution was assigned in order of priority as follows: Mine Access Road, Mine Site, Transmission Line. The Airstrip Access Road and Freshwater Supply Line did not have common overlaps.

Table 7.3-2: Mathews Creek Ranch Wetland Area by Class

Project Component	Wetland Area (ha)					Total
	Bog	Fen	Marsh	Shallow Open Water	Swamp	
Mathews Creek Ranch Offsetting Site[1]	78.27	38.75	48.03	1.68	63.27	**229.99**

[1] Wetland areas do not include areas associated with artificial drainage ditches.

Table 7.3-3: Dykam Ranch Wetland Area by Class

Project Component	Wetland Area (ha)					Total
	Bog	Fen	Marsh	Shallow Open Water	Swamp	
Dykam Ranch Offsetting Site	91.80	73.70	5.60	2.70	73.9	**247.70**

Wetland classifications within the Project Area were cross-referenced against the listed wetland types identified in Appendix F Table 4.1-1 to confirm all potential on-site red- or blue-listed wetland associations were identified and reported. EcoLogic's August 18, 2022, memorandum titled *Blackwater Gold Project Listed Wetlands* indicates that red-listed wetlands are absent from the site based on the results of the 2022 wetland evaluation fieldwork (Appendix I; EcoLogic 2022a). The blue-listed wetlands observed within the Project Area and offsetting sites in 2022 are summarized in Table 7.3-4.

Table 7.3-4: Blue-listed Wetlands Identified within the Project Area and Offsetting Sites

Wetland Type	Mine Site (ha)	Access Road (ha)	Transmission Line (ha)	Mathews Creek Ranch (ha)
Wb10	0.9	0.0	0.0	0.0
Wb13	0.3	0.0	0.0	0.0
Wf08	2.9	0.0	0.1	0.0
Wf11	0.4	0.0	0.0	0.0
Wf13	0.1	0.0	0.0	0.0
Ws07	36.6	0.4	11.3	29.3
Total	**41.2**	**0.4**	**11.4**	**29.3**

The data indicate a relatively small number of blue-listed wetlands within the Project Area, with the exception of wetland type Ws07 (Spruce – Common horsetail – Leafy moss swamp site association). This wetland type (or wetland site association) is found in the SBSmc3 and ESSFmv1 Biogeoclimatic Ecosystem Classification (BEC) zones within the Project Area and is distributed throughout the Project Area (Table 7.3-4). The Ws07 wetland type is prevalent in this area of BC; Mackenzie and Moran (2004) describe the Spruce – Common horsetail – Leafy moss swamp site association as common in the Northern Boreal Mountains and Central and Sub-Boreal Interior in BC, from low to subalpine elevations. Furthermore, the BC Conservation Data Center (BC CDC; current to 2024) does not list Ws07 as an at-risk ecosystem for the Stuart Nechako Natural Resource District, within which the Project is located. Inclusion of this ecosystem as a blue-listed wetland represents a conservative approach.

7.3.1 Project Area

During 2022 wetland surveys, a total of 82 full plots were sampled across 81 of the 681 wetland polygons within and surrounding the Project Area, in addition to 562 visual checks completed across 283 vegetation polygons to delineate wetland boundaries and collect baseline information (Figure 7.1-1). Since wetlands along the Freshwater Supply Line were not mapped in 2022, wetland mapping as presented in the EA was used for this area. The Year 23 Full Build-out footprint was used to identify wetlands which intersect the footprint in any degree to define Project Area wetlands (Table 7.3-1), discussed in further detail below. Project component was assigned to the polygon based on the intersecting feature within the Year 23 Full Build-out footprint. Where multiple project components overlap the same wetland polygon, feature attribution was assigned in order of priority as follows: Mine Access Road, Mine Site, Transmission Line. The Airstrip Access Road and Freshwater Supply Line did not have common overlaps.

7.3.1.1 Mine Site

Based on the updated wetland surveys conducted in 2022 and Year 23 Full Build-out footprint, 180.16 ha of wetlands intersect the Mine Site (Table 7.3-1). Of this total, swamps are the most common wetland class at 99.97 ha (55.5%) followed by bogs at 57.88 ha (32.1%), fens at 12.79 ha (7.1%), marshes at 6.59 ha (3.7%), and shallow open water at 2.93 ha (1.6%; Table 7.3-1). No red-listed wetlands were found; however, approximately 41.2 ha of blue-listed wetlands were identified, of which 36.6 ha were the Ws07 wetlands (Table 7.3-4).

7.3.1.2 Transmission Line

The 2022 wetland surveys identified a total of 121.96 ha of wetlands which intersect the Transmission Line (Table 7.3-1). Of this total, swamps are the most common wetland class at 94.14 ha (77.2% of total) followed by fens at 15.58 ha (12.8%), bogs at 11.94 ha (9.8%), and marshes at 0.29 ha (0.2%; Table 7.3-1). No red-listed wetlands were found; however, approximately 11.4 ha of blue-listed wetlands were identified, of which 11.3 ha were the Ws07 wetlands (Table 7.3-4).

7.3.1.3 Other Project Components

Approximately 52.18 ha of wetlands intersect the Mine Access Road, 17.02 ha the Freshwater Supply Line, and 2.42 ha the Airstrip and Airstrip Access Road (Table 7.3-1). A breakdown of wetlands by class includes:

- Mine Access Road: swamp wetlands are the most common wetland class mapped (51.78 ha) followed by bogs (0.34 ha) and fens (0.07 ha; Table 7.3-1). Marshes and shallow open water classes are not present. No red-listed wetlands were found; however, approximately 0.4 ha of blue-listed wetlands were identified (Table 7.3-4).
- Airstrip and Airstrip Access Road: swamp wetlands were mapped at this project component at 2.42 ha. Marshes, bogs, fens, and shallow open water classes are not present (Table 7.3-1).
- Freshwater Supply Line: swamp wetlands were mapped at this project component at 9.19 ha, bogs at 5.09 ha, and fens at 2.74 ha. Marshes and shallow open water classes are not present (Table 7.3-1).

7.3.2 Mathews Creek Ranch Offsetting Site

During 2022 wetland surveys at Mathews Creek Ranch offsetting site, a total of 23 full plots were sampled across 20 of the 203 wetland polygons, in addition to 37 visual checks completed across 32 wetland polygons to delineate wetland boundaries and collect baseline information (Figure 7.1-2). 2022 wetland surveys identified a total of 229.99 ha of wetlands at Mathews Creek Ranch offsetting site (Table 7.3-2). Of this total, bogs are the most common wetland class at 78.27 ha (34.0% of total) followed by swamps at 63.27 ha (27.5%), marshes at 48.03 ha (20.9%), fens at 38.75 ha (16.8%), and shallow open water at 1.68 ha (0.7%). No red-listed wetlands were found; however, approximately 29.3 ha of blue-listed wetlands (Ws07) were identified (Table 7.3-4).

Evidence of disturbance was assessed within each of the mapped wetland areas when observed in the field, in addition to a thorough desktop assessment of anthropogenic disturbance completed December 2022 as shown in the evidence of disturbance layer in Figure 7.1-2. Observable anthropogenic disturbance within wetland areas were assessed using recent high-resolution (20 cm) aerial imagery (Kîsik Geospatial and Aerial Survey Inc. 2022), in combination with ESRI basemap imagery (50 cm; 09/13/2016) and Google Earth Imagery (9/12/2016; Airbus 2024). Disturbances observable in aerial imagery included altered wetland hydrology due to drainage ditches, land clearing (logging), vehicle tracks, agricultural fields (e.g., pasture or hayfields with linear patterns indicative of agricultural use), built structures (buildings, fences, bridges), and human trails. The evidence of disturbance delineated does not represent the full extent of restoration opportunities. Some disturbances are not readily discernable from aerial photos such as the existence of agricultural drainage tiles (if present), exotic or invasive species, among other disturbances. Additionally, wetlands historically altered for agricultural use (hayfields or pasture) are at various stages of natural recovery and regeneration (Figure 9.2-2), following cessation of beaver trapping as well as the removal of livestock and agricultural use following purchase of the property by BW Gold in 2013. Disturbances and proposed restoration prescriptions are discussed further in Section 9.2.

7.3.3 Dykam Ranch Offsetting Site

Dykam Ranch offsetting site includes an estimated total study area of wetlands of 247.70 ha (Table 7.4-3). Of this total, bogs are the most common wetland class at 91.80 ha (37.1% of total) followed by swamps at 73.90 ha (29.8%), fens at 73.70 ha (29.8%), marshes at 5.60 ha (2.3%), and shallow open water at 2.7 ha (1.1%). Dykam Ranch has not yet been assessed for listed wetland types. Field surveys to verify and refine wetland mapping are planned, with current boundaries representing an estimate.

7.4 Evaluation of Wetland Functions

Potential effects on wetlands were previously assessed in the Application/EIS (New Gold 2015; Section 5.3.7), and later updated in the CWEA (ERM 2017) that considered changes to the water management and treatment plan and revised transmission line alignment. The quantification of wetland function is critical to better understanding the potential losses and gains of wetland function, and in implementing the EAC condition requirements of offsetting losses of wetland functions caused by the Project. Additionally, it was recognized that the Project was going to result in a loss of wetland extent and therefore a loss of wetland function.

Wetland functions are broadly defined as the natural processes (physical, chemical, and biological) associated with wetlands independent of the benefits that those processes provide to humans and wildlife. Further, Condition 24 of the EAC indicates that wetland function refers to the hydrological, ecological, and wildlife lifecycle requirements provided by wetlands. Wetland functions are organized into four groups (hydrological, biochemical, ecological, and habitat; Hanson et al. 2008). Associated with each function are a number of key values that can be directly measured or inferred from field data. For example, hydrological function includes water flow moderation, groundwater recharge, and shoreline and erosion protection values. These values can be assessed based on a wetland's hydrodynamic index and its hydrogeomorphic position. Other functions such as ecosystem quality are influenced by a number of variables, such as the presence/absence of invasive plant species. This approach provided the framework for how parameters collected in the field were translated to wetland function.

Measurable indicators for each wetland value were used to quantify wetland function in terms of a Function Score (FS) using a rubric ranking system. The wetland function rubric assigned rankings (low to high function) based indicators measured using field data and wetland class to calculate FS for each wetland area. Appendix J and Appendix F provide a detailed overview of the wetland function rubric and baseline wetland function assessment results. For the purposes of the baseline assessment, the wetland function rubric was designed to conservatively estimate wetland function for Project Area wetlands (e.g., assuming high function for certain values), to avoid under-representing function.

To express wetland function as a unit of area for the purposes of comparing relative gains and losses, FS of wetlands were converted to a Functional Area (FA). FA, used herein as a unitless value, is equal to the total function score for each individual wetland multiplied by the area of each individual wetland. Wetlands are defined based on the 2022 wetland mapping, which classified individual wetland areas (polygons) to site association (MacKenzie and Moran 2004), summarized at the wetland class level. When summed together, the outcome is the total FA gained or lost for that area (e.g., Project Area).

Calculations of wetland function and calculations of losses and gains were completed using ArcGIS (ESRI) and R (version 4.3.2; R Core Team 2021). Geospatial computation was conducted in R using the 'sf' package (Pebesma 2018). All geospatial computations were completed in projected coordinate system NAD 83 UTM Zone 10N (EPSG: 26910). Plot data was attributed to a wetland polygon based on spatial intersection with a 5 m buffer applied. Where multiple plots were sampled in the same polygon, the plot with the site association matching the dominant site association of the wetland polygon was assigned. If multiple matching plots occurred, the plot with the lowest functional score was assigned.

7.4.1 Wetland Function Losses

Wetland function losses were assessed for the Project Area using a footprint analysis. Direct loss in wetland area (ha) and associated loss in function were considered, in addition to indirect effects which may result in loss or degradation of remaining wetlands.

7.4.1.1 Project Area Losses

To calculate the loss of wetland functions in the Project Area, a footprint analysis was used based on engineering site designs for Project infrastructure (Appendix K and L) and as-built footprints (Appendix M). Appendix K provides figures showing the predicted infrastructure overlays for the Mine Site for build-out scenarios at Years -2, -1, 1, 2, 3, 8, 13, 18, and 23, derived from BW Gold Major Works application. Updated design information was made available for Years -2 through 3 but appear to not differ substantially from the existing construction information included in the application. The Year 23 Full Build-out footprint was used to quantify the total expected losses for the entire Project Area (Figure 7.4-1; Table 7.4-1; Appendix L).

Table 7.4-1: Wetland Loss Summary – Project Area (full build-out at Year 23)

Project Component	Bog		Fen		Marsh		SOW		Swamp		Total	
	Area Lost (ha)	FA Lost	Area Lost (ha)	FA Lost	Area Lost (ha)	FA Lost	Area Lost (ha)	FA Lost	Area Lost (ha)	FA Lost	Area Lost (ha)	FA Lost
Mine Site	21.80	598	11.24	325	5.51	164	1.99	88	69.06	1,866	**109.60**	**3,041**
Mine Access Road	0.00	0	0.02	1	0.00	0	0.00	0	0.69	18	**0.71**	**19**
Transmission Line (ROW Roads and Towers Only)	0.26	7	0.43	12	0.03	1	0.00	0	1.78	46	**2.49**	**66**
Airstrip and Airstrip Access Road	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	**0**	**0**
Fresh Water Supply System	0.34	9	0.12	3	0.00	0	0.00	0	0.44	12	**0.91**	**24**
Total	**22.40**	**614**	**11.81**	**341**	**5.54**	**165**	**1.99**	**88**	**71.97**	**1,942**	**113.71**	**3,150**

Notes:

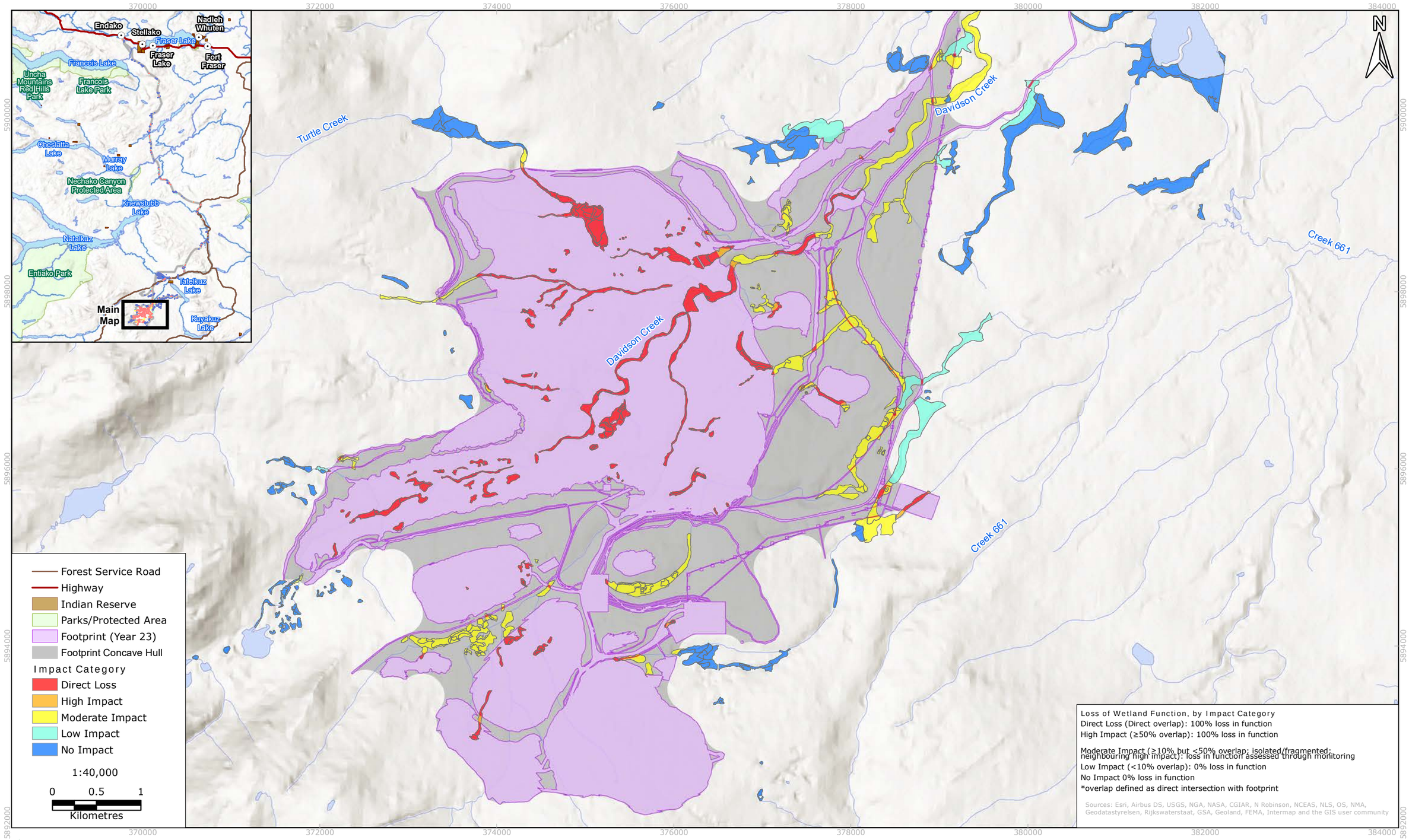
SOW = Shallow open water; FA = Functional Area

Area Lost (ha) is the area of direct overlap with infrastructure.

FA Lost is the total loss in wetland function considering both direct loss (direct overlap) and indirect loss (wetlands with high ≥50% overlap), as described in Section 7.4.1.1 and presented at the individual wetland level in Appendix L. Partial loss in function (degraded) for the moderate impact group are not currently included in FA loss calculations, as these will be assessed and quantified through a commitment to monitoring (Section 10).

[1] Project Component assigned based on the intersecting feature within the Year 23 Full-Build Out Footprint. Where multiple project components overlap the same wetland polygon, feature attribution was assigned in order of priority as follows: Mine Access Road, Mine Site, Transmission Line. The Airstrip Access Road and Freshwater Supply Line did not have common overlaps.

FIGURE 7.4-1 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE OVERVIEW



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Assessment of losses in wetland function considered both direct and indirect effects to wetlands entirely or partially overlapped by infrastructure, as well as indirect effects on surrounding wetlands without any direct overlap with infrastructure. The addition of these indirect effects in wetland function address Environment and Climate Change Canada (ECCC) ITT comments W119 and W121 (Appendix N) in alignment with the Operational Framework for Use of Conservation Allowances (EC 2012). Areas directly overlapped by infrastructure were assigned 100% loss of wetland function for the area of direct overlap. To also consider indirect effects to wetlands and associated losses in wetland function, areas remaining (outside overlap) were considered to have indirect loss in wetland functions depending on the degree of overlap with infrastructure or other indirect effects. Functional losses in remaining wetland areas were categorized according to degree of impact – resulting in either complete loss of function (High Impact), degraded/ reduced function (Moderate Impact), or no loss of function (Low Impact). Impacts to wetlands and predicted losses in wetland function are shown on overview map Figure 7.4-1 (Appendix L) and can be summarized as:

- **Direct Loss:** Areas of direct overlap with infrastructure are assigned 100% loss of wetland function for the area of direct overlap (function score of 0).
- **High Impact:** Wetlands with high overlap (≥50%) with infrastructure are assumed to be fully lost, resulting in 100% loss in wetland function (function score of 0).
- **Moderate Impact:** Wetlands with moderate overlap (≥10%; <50%) with infrastructure, in addition to wetlands identified as fragmented/isolated or neighbouring wetlands with high overlap (≥50%), are predicted to have degraded function in remaining areas. Areas of direct overlap are considered 100% lost (function score of 0) as per above, while remaining wetlands will be monitored to assess effects to wetlands and quantify associated functional losses (Section 10).
- **Low Impact:** Wetlands with low overlap (<10%; >0%) with infrastructure are predicted to have minimal to no impact to remaining areas. Areas of direct overlap are considered 100% lost (function score of 0) as per above, while remaining wetlands are predicted to have 0% loss in function (baseline FS).
- **No Impact:** Wetlands with no overlap with infrastructure and no indirect impacts expected assumed to have 0% loss in function (baseline FS).

Wetlands that are not lost (i.e., do not overlap Project infrastructure) may also experience degradation or alteration to wetland function due to their proximity to the Project. To consider these possible indirect losses in wetland function due to impacts to hydrology, wildlife access, or other factors, additional spatial based rules were applied to estimate wetland function loss at remaining wetlands. This included: (1) Fragmented/isolated wetlands surrounded by infrastructure; and (2) Wetlands neighbouring a wetland with high overlap with infrastructure (≥50%). Wetlands meeting these criteria were assumed to have degraded wetland function (Moderate Impact), with losses to be assessed and quantified through a commitment to monitoring (Section 10). Wetlands were considered fragmented/isolated if ≥50% of their area fell within a concave hull produced for the infrastructure using an outward then inward 250 m buffer operation (Appendix F). Wetland neighbours were defined following BC's Riparian Management Area Guidebook (BC MOF 1995) distance and area thresholds defining wetlands with overlapping riparian management areas.

Infrastructure considered in wetland function loss calculations includes all built structures including the Mine Site, Mine Access Road, Airstrip and Airstrip Access Road, Freshwater Supply Line, and Transmission Line ROW Roads and Towers (Table 7.4-1). Wetland function loss calculations do not include the Transmission Line ROW width outside of the roads and towers because impacts are avoided or where they occur are considered minimal and temporary since wetland vegetation is expected to recover quickly. Wetland impacts from transmission line ROW width clearing will be avoided entirely or reduced by implementing

the mitigation measures described in Section 8, including clear spanning transmission lines over wetlands where feasible. Current transmission line loss estimates for roads and towers are considered conservative since an updated tower and road placement design expected in 2024 will have optimized pole locations and reduced roads to further avoid wetland losses. As-built construction footprints will be used to assess impact and update wetland losses where necessary. Swamp and marsh communities have been shown to recover quickly following transmission line construction (Nickerson et al. 1989), with transmission line construction impacts possibly having longer lasting effects on wetlands with peat soils (bogs, fens). Transmission Line ROW clearing and maintenance will also only require removal of tall canopy trees and following construction, a treed/shrub swamp community will be allowed to reestablish.

Wetlands nearby or partially overlapped by infrastructure will be targeted for monitoring to assess Project indirect impacts on wetland to verify mitigation effectiveness and evaluate predicted versus actual loss in wetland function (Section 10). Indirect effects of construction will be mitigated by implementing the mitigation measures described in Section 8 and Appendix P. If mitigation measures are not successful, then functional losses will need to be considered and adaptively managed.

7.4.1.2 Functional Area (FA) Associated with Wetland Losses

Losses in wetland function associated with wetland impacts at the Project Area, expressed in terms of FA, was quantified by calculating the following:

- **Baseline FS –** Running the wetland function 2022 field data through the rubric (Appendix J), for each individual fully evaluated wetland (full ground plot), to obtain FS for each individual wetland. Wetlands without full plots were assigned an FS derived as the average FS for all full plots sampled within a particular wetland class (all 2022 full plot data).
- **Baseline FA –** Multiplying each individual wetland FS by the total area of that individual wetland to get the baseline FA for each individual wetland.
- **Direct Loss in FA –** Direct overlap/intersection of the construction footprint (Project Area infrastructure) with wetlands to determine the overlap area (ha) and percent of direct overlap. Direct loss in FA for each individual wetland is calculated as:

$$Baseline\ FS\ \times\ Lost\ Area\ (ha)$$

- **Indirect Loss in FA –** For the Project Area wetlands, a new FS is assigned to the remaining area as discussed in Section 7.4.1.1 based on the level of impact:
  - *High Impact* (≥50% overlap): 100% loss in function (New FS = 0)
  - *Moderate Impact* (≥10% but <50% overlap; isolated/fragmented; neighbouring high impact): % loss in function determined through monitoring (New FS = determined through monitoring; Section 10)
  - *Low Impact* (<10% overlap): 0% loss in function (New FS = baseline FS)

  Indirect Loss in FA for each individual wetland is calculated as:

$$(Baseline\ FS\ -\ New\ FS)\ \times\ Remaining\ Area\ (ha)$$

- **Total FA Loss –** Total FA Loss for each individual wetland is calculated as:

$$Direct\ Loss\ in\ FA\ +\ Indirect\ Loss\ in\ FA$$

  or

$$Baseline\ FA\ -\ Remaining\ FA$$

  where Remaining FA is the $New\ FS\ \times\ Remaining\ Area\ (ha)$.

Appendix K provides figures showing the predicted direct losses (reduced extent) and indirect impacts to wetlands for the Year 23 full build-out. Table 7.4-1 provides a summary of wetland extent lost (direct overlap) and the associated direct and indirect loss of wetland function (FA Lost) for the Project Area. Area Lost (ha) and Total FA Lost for all individual wetlands were summed to derive the total loss in wetland function (FA Lost) including direct and indirect impacts from the Project Area (Table 7.4-1). Appendix F reports losses at the individual wetland level, as described above. The wetland FA losses can be compared to the wetland FA gains identified at offsetting sites (Section 7.4.2) used to offset losses of wetland function caused by the Project (see Section 9).

7.4.2 Wetland Function Gains

To quantify gains in wetland function associated with active and passive restoration activities (i.e., restoration and conservation) at Mathews Creek Ranch offsetting site, the difference in wetland function over time is considered. Wetland function is calculated for three distinct periods at the Mathews Creek Ranch offsetting site:

- Historical wetland function – assumed degraded wetland function of the fully operational ranch at the time of purchase in 2013 (i.e., impacted by cattle grazing, crop production, artificial drainage, etc.). In the absence of field data for the historically degraded wetlands to be used in the rubric, the minimum 2022 baseline FS for each wetland class at the Mathews Creek Ranch offsetting site is assumed. This is considered a conservative estimate, since 2022 baseline surveys assumed higher function (e.g., assigning automatic high scores for certain values) as with the Project Area wetland surveys;
- Current wetland function – as measured through field studies in 2022 (EcoLogic 2022b); and
- Restored wetland function – predicted future wetland function following successful wetland restoration (i.e., post-restoration wetlands). The maximum 2022 baseline FS for each wetland class at the Mathews Creek Ranch offsetting site is assumed (i.e., fully functioning).

Predicted wetland gains are estimates based on field surveys completed in 2022. Predicted gains are based on the difference between the predicted restored wetland function versus the as-measured current wetland function. Estimates in restoration gains at Mathews Creek Ranch offsetting site are considered conservative, since current rubric function estimates assume higher historical (disturbed) and current function (e.g., assign automatic high quality wildlife habitat). Assumptions for wetland function pre- and post-restoration will be confirmed through monitoring (Section 10).

To quantify potential wetland function gains at the Dykam Ranch offsetting site associated with the offsetting activities (i.e., enhancement and conservation), the difference in wetland function over time is considered. Since detailed field surveys have not yet been completed at Dykam Ranch, estimates of wetland function are derived from 2022 field survey data for the Project Area and Mathews Creek offsetting site (all plots) as described below. Wetland function is calculated for two distinct periods:

- Current wetland function – estimated based on the average wetland FS for the wetland classes present (based on average wetland scores recorded at the Project Area and Mathews Creek Ranch offsetting site); and
- Restored wetland function – predicted future wetland function following successful wetland restoration (i.e., post-restoration wetlands). The maximum 2022 baseline FS for each wetland class at the Project Area and Mathews Creek Ranch offsetting site is assumed (i.e., fully functioning).

7.4.2.1 Functional Area (FA) Associated with Wetland Gains

As with FA Losses, the rubric and FA calculation approach was used to quantify potential wetland function gains at the Mathews Creek Ranch offsetting site. The following were calculated to identify potential gains in wetland function at the Mathews Creek Ranch offsetting site:

- **Baseline FS** – Running the wetland function 2022 field data through the rubric (Appendix J), for each individual fully evaluated wetland (full ground plot), to obtain FS for each individual wetland. Wetlands without full plots were assigned an FS derived as the average FS for all full plots sampled within a particular wetland class (all 2022 full plot data).
- **Historical (Minimum) FA** – assumed degraded wetland function of the fully operational ranch at the time of purchase in 2013. Calculated as the current area multiplied by the minimum 2022 baseline FS for each wetland class at the Mathews Creek Ranch offsetting site. This represents a conservative estimate of degradation, since actual condition in 2013 would be expected to be poorer than what surveys in 2022 indicated.
- **Current FA** – current wetland function as measured through field studies in 2022. Calculated as the current area multiplied by the current 2022 baseline FS. This is used to estimate the gains associated with land conservation.
- **Restored (Maximum) FA** – predicted future wetland function following successful wetland restoration (i.e., post-restoration wetlands). Calculated as the final (restored) area multiplied by the maximum 2022 baseline FS for each wetland class at the Mathews Creek Ranch offsetting site. This assumes successful restoration determined through post-restoration monitoring.
- **Passive Restoration FA Gain** – estimated functional gain to date from removal of the agricultural/ anthropogenic disturbances upon purchase of Mathews Creek Ranch in 2013 (passive restoration). Calculated as the difference in function between Historical (Minimum) FA and Current FA.
- **Active Restoration FA Gain** – predicted functional gain from active restoration. Calculated as the difference in function between the Restored (Maximum) FA and Current FA.
- **Potential FA Gain** – predicted total functional gain including both passive and active restoration. Calculated as the difference in function between Historical (Minimum) FA and Restored (Maximum) FA, i.e., the sum of Passive Restoration FA Gain and Active Restoration FA Gain.

Table 7.4-2 provides a summary of wetland function gained from successful restoration activities at the Mathews Creek Ranch offsetting site, including both FA gains associated with passive and active restoration.

Wetland function gain at the Dykam Ranch offsetting site was evaluated in 2022 in a similar manner as Mathews Creek Ranch above. Since at the present time, site-specific field function data are unavailable for Dykam Ranch, potential gains are based on the 2022 field data for the Project Area and Mathews Creek Ranch offsetting site. Current wetland function is estimated based on the average FS for each wetland class in the 2022 field data, and the maximum wetland function is estimated based on the maximum FS recorded in 2022 field data (all plots). The potential FA gained at Dykam Ranch is estimated as the difference between the current FA (based on the average function scores for each wetland class) and the maximum FA assumed wetland function following enhancement (maximum 2022 baseline FS for each wetland class). The overall wetland functional gain at Dykam Ranch offsetting site is summarized in Table 7.4-3. Site-specific field surveys at Dykam Ranch will be conducted to refine wetland mapping and calculate current wetland function and monitor for change in wetland function to assess actual FA gains.

Table 7.4-2: Wetland Gains Summary – Mathews Creek Ranch Offsetting Site Restoration

Wetland Class	Area[1] (ha)	Minimum FA[2]	Current FA[3]	Maximum FA[4]	Passive FA Gain[5]	Active FA Gain[6]	Potential FA Gain[7]
Bog	78.20	1,955	2,113	2,268	159	154	313
Fen	37.70	905	1,045	1,131	140	86	226
Marsh	44.19	1,149	1,276	1,281	127	5	133
Shallow Open Water	1.68	50	50	50	0	0	0
Swamp	63.22	1,644	1,671	1,897	27	225	253
Total	**224.99**	**5,703**	**6,156**	**6,627**	**453**	**471**	**924**

Notes:

Wetland area and FA reported exclude areas associated with Ponds and canals (drainage ditches).

FA = Functional Area; Minimum and Maximum values calculated using the lowest and highest recorded FS for each wetland class measured in 2022 field studies at Mathews Creek Ranch.

[1] Area is the current area by wetland class as mapped through field studies in 2022 (excluding Pond footprint).

[2] Minimum FA is the assumed low-end wetland function for the ranch when wetlands were heavily impacted by cattle grazing and crop production, prior to purchase in 2013.

[3] Current FA is the current wetland function as measured through field studies in 2022.

[4] Maximum FA is the predicted high-end wetland function following restoration.

[5] Passive FA Gain is the difference between the Minimum FA and Current FA.

[6] Active FA Gain is the difference between the Current FA and Maximum FA.

[7] Potential FA Gain is the difference between the Minimum FA and Maximum FA.

Table 7.4-3: Wetland Gains Summary – Dykam Ranch Offsetting Site Enhancement

Wetland Class	Mean Wetland Function Score	Area (ha)	Current FA[1]	Maximum FA[2]	Potential FA Gain[3]
Bog	26.92	91.80	2,471	2,754	283
Fen	27.52	73.7	2,028	2,285	257
Marsh	28.83	5.60	161	174	13
Shallow Open Water	30.00	2.70	81	81	0
Swamp	26.74	73.9	1,976	2,217	241
Total	**140.01**	**248**	**6,726**	**7,511**	**794**

Notes:

FA = Functional Area

[1] Area is the current area by wetland class as mapped in 2022.

[2] Current FA is the estimated current wetland function calculated using the average recorded function score for each wetland class measured in 2022 field studies in the Project Area.

[3] Maximum FA is the assumed high-end wetland function following enhancement, calculated using the highest recorded function score for each wetland class measured in 2022 field studies in the Project Area.

[4] Potential FA Gain is the difference between the Current FA and Maximum FA.

8. MITIGATION AND MANAGEMENT MEASURES

BW Gold has followed the environmental mitigation hierarchy of avoidance, minimization, restoration, and offsetting to identify mitigation measures (BC MOE 2014a, 2014b). BW Gold will continue following the mitigation hierarchy to avoid the loss as per DS Condition 5.1. Measures to mitigate wetland impacts have taken into account British Columbia's *Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia* (Cox and Cullington 2009), and *Riparian Management Area Guidebook* (BC MOF 1995). The polygon areas containing wetlands and the early works areas targeted for clearing activities are presented in Appendix K.

BW Gold will follow DS Condition 5.2 to maintain, during construction and operation, a 30 m buffer of undisturbed vegetation around wetlands located within the mine site, excluding activities required to construct project components. Work or activity within the 30 m buffer will only occur to the extent necessary for safety reasons, to control invasive plants, or install and maintain erosion and sediment runoff control measures.

Appendix P summarizes the wetland mitigation and management measures that apply to all Project components, and references specific measures identified in EAC Condition 24 (referenced as 'P'), DS Condition 5.2 (referenced as 'DS') and BW Gold's Mitigations Table (EAC Condition 43; MT; November 20, 2020). The Mitigations Table includes all mitigation measures identified during the EA review. Table P-2 in Appendix P summarizes the wetland mitigation and management measures that apply to the TL, and also references specific measures identified in EAC Condition 24 (referenced as 'P'), DS Condition 5.2 (referenced as 'DS') and BW Gold's Mitigations Table (EAC Condition 43; MT; November 20, 2020). Wetland impacts along the Transmission Line will be avoided or minimized by clear spanning wetland boundaries where feasible and siting Transmission Line towers and access roads in upland areas.

9. WETLAND OFFSETTING IMPLEMENTATION

The Project will result in a loss of wetland extent and wetland function (Section 7.4). Wetland areas which are directly impacted by construction will result in a direct loss in wetland function, while wetlands that are not directly lost but which are in close proximity to development may also be indirectly impacted. Predicted wetland losses consider both direct and indirect loss in wetland function, as described in Section 7.4.1. Measures outlined in Section 8 will mitigate potential effects to the extent possible. Additionally, monitoring (Section 10) will verify mitigation effectiveness and re-evaluate loss in wetland function, enabling data-driven adaptive management. Where wetlands are lost, offsetting is required by DS Condition 5.3 and EAC Condition 24. Specifically, DS 5.3 states:

> *"The Proponent shall develop the wetland compensation plan, prior to construction, in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, and taking into account Canada's Federal Policy on Wetland Conservation, Environment and Climate Change Canada's Operational Framework for Use of Conservation Allowances and habitat needs for migratory birds, moose (Alces alces) and listed species at risk (DS 5.3)."*

During the EA process several offsetting alternatives were identified and evaluated for suitability. Criteria for evaluation included:

1. Proximity to the Project Area where wetlands are lost, within the same watershed impacted by the Project (Nechako River watershed);
2. Prioritizing restoration over enhancement, and enhancement over creation, following the hierarchy of offsetting options per Condition 5.3 of the DS; and
3. Identification of regionally important or uniquely large wetlands that provide multiple functions and associated values.

Offsetting opportunities are described below, including the restoration benefits, approach, and plan for securement (or long-term protection). The offsetting opportunities identified are:

- Mathews Creek Ranch offsetting area: purchase land (completed), establish map notification on a grazing lease to support long-term conservation management (completed), restore agriculturally affected wetlands (Section 9.2).
- Capoose Caribou offsetting area: under the CMMP the Capoose offset area was identified and a number of offsetting and securement activities outlined. Rehabilitation efforts of historic forestry roads may restore historically impacted wetlands (Section 9.3).
- Dykam Ranch offsetting area: secure long-term SROW and license agreement (completed), restore and enhance agriculturally affected wetlands (Section 9.4).
- Other potential offsetting sites: as identified in collaboration with LDN and UFN. Of prospective restoration sites, Johnny Lake was determined to have the greatest potential for restoration and was identified as the preferred restoration site by LDN and UFN environmental monitors (Appendix E). Further work is required to map polygons suitable for restoration, determine restoration prescriptions, and evaluate available securement options (Section 9.5).

This section presents the wetland offsetting plan for the Project as required by DS Condition 5.3 and EAC Condition 24 d), f), and g). Development of the plan has considered Canada's Federal Policy on Wetland Conservation (Government of Canada 1991) and Canada's Operational Framework for Use of Conservation Allowances (EC 2012, and habitat needs for migratory birds, moose and listed species at risk.

Wetland offsetting implementation was developed based on the wetland function evaluation presented in Section 7.4 and was approved by the EAO (February 2023) prior to impacting any wetland areas. This section addresses the following topics related to restoration activities:

- Engagement of Indigenous groups in the wetland offsetting process;
- Use of a function-based approach to wetland offsetting, including the application of offsetting ratios;
- Plans for off-site wetland restoration and conservation at offsetting sites;
- Opportunities for wetland offset partnerships, if necessary; and
- Implementation schedule for the offsetting plan.

This plan meets the requirements for wetland offsetting because the extent of wetland ecosystems impacted by the Project and associated loss in wetland function has been quantified for offsetting purposes. As described in Section 7.4, a methodology was developed to quantify wetland function for wetlands at the Project Area and the offsetting sites. Previously discussed, the connection of wetland function, values, and field data enabled the calculation of site-specific wetland function based on current wetland conditions within the Project Area and offsetting sites. These site-specific wetland function data are then used to calculate predicted loss of wetland function due to Project construction and predicted gain of wetland function at offsetting sites due to restoration, enhancement, and conservation activities, discussed in greater detail below.

BW Gold will continue to work closely with Indigenous groups throughout the implementation of the offsetting measures listed in this plan to identify and implement additional contingency wetland restoration activities should the effectiveness monitoring results and outcomes demonstrate a future deficit in restored wetland function to fully offset losses to wetland functions caused by the Project.

9.1 Indigenous and Government Agency Engagement

BW Gold has engaged with Indigenous groups and key government agencies on wetland mitigation measures and wetland offset as follows:

- A Conceptual Wetland Compensation Plan was included in the Application/EIS (Appendix 5.3.7A in Volume 16 of the Appendices). The conceptual plan identified offset opportunities in both the Mathews Creek wetland complex and freshwater reservoir, which have been further developed in the WMOP. Wetland restoration in the freshwater reservoir has been removed as a component of the offsetting plan in response to comments received on the draft offsetting plan.
- BW Gold met with UFN/LDN and Ministry of Forest, Lands, Natural Resource Operations and Rural Development (FLNRORD) (Lori Borth) on September 9, 2021, regarding land securement for Mathews Creek Ranch.
- BW Gold presented the Mathews Creek Fish Habitat Compensation Plan to UFN/LDN on September 23, 2021, and feedback on the riparian area planting prescription was requested.
- BW Gold provided the draft WMOP to all required parties for consultation on October 1, 2021, for review and comment prior to submission of the draft plan in accordance with EAC and DS conditions.
- BW Gold met with LDN/UFN on November 9, 2021, November 19, 2021, and November 29, 2021, to discuss the comments received and have considered all comments in finalizing the draft plan.
- BW Gold presented on the WMOP during the December 2, 2021, EMC meeting, of which FLNRORD, ENV, EMLI, LDN, UFN, Nazko and the CSFNs were participants.

- BW Gold met with LDN/UFN and FLNRORD on December 18, 2021, as a follow-up to technical discussions on the WMOP from the EMC meeting.
- BW Gold met with LDN, UFN and FLNRORD to discuss questions from the Nations and FLNRORD stemming from the December 2, 2021, EMC meeting.
- BW Gold met with LDN/UFN, Palmer and Ecologic on February 8, 2022, to review draft baseline workplan that Ecologic had prepared to collect additional data from the proposed Mathews Creek wetland offsetting site.
- LDN/UFN provided written comments on the draft workplan for the Mathews Creek offsetting site on February 14, 2022, and BW Gold responded to those comments on February 24, 2022, along with an updated workplan (V3).
- BW Gold met with LDN/UFN on February 15, 16, and 25, 2022 to develop a workplan request for proposal (RFP) to complete project footprint baseline studies to update current datasets.
- BW Gold corresponded with LDN/UFN throughout June 2022 to reach a final list of focal wildlife species for the purposes of wildlife habitat assessments during the 2022 wetland mapping baseline studies.
- As described in Section 7.1 and Appendix D, BW Gold has had several discussions with UFN and LDN as described above to develop scopes of work for additional mapping and field studies of wetlands in the Mine Site during 2022.
- In addition, Ecological Services Ltd. (KES) reviewed and commented on the field methods and survey plan and were involved in the review/comment of wetland data mapping.
- The wetland field surveys were also conducted in collaboration with UFN and LDN participants in the field.
- As part of the WMOP update process in 2022, BW Gold met with LDN/UFN on September 8, 2022, to present progress reports on updating the WMOP, and to provide details on the findings of the summer 2022 wetland field surveys (Appendix N).
- BW Gold invited all parties with whom is it required to consult as part of Condition 24, including LDN, UFN, the CSFNs, Nazko as well as provincial and federal regulators on October 20, 2022, and November 23, 2022, to present progress reports on updating the WMOP, and to provide details on the findings of the summer 2022 wetland field surveys. In addition, details regarding the wetland function assessment approach (rubric development and application) and the quantifying of wetland function were discussed as well as on the updated WMOP during Q4 2022 to review the contents of the revised document.
- BW Gold met with LDN and UFN on December 5, 2022, to discuss interrelated matters between BW Gold's proposed Fish Habitat Compensation Plan and WMOP and presented materials in response to concerns (Appendix N). An example of this for the WMOP is the changing of the SROW timeframe at Dykam Ranch from the originally proposed 25 years to 99 years based on concerns voiced by LDN and UFN.
- BW Gold met with LDN and UFN on December 14 and 15, 2022 and discussed the Dykam Ranch SROW, particularly its legal protections and the ability for inspections and enforcement.
- BW Gold invited LDN and UFN to participate in fish and wetland offsetting field work in October 2023 with the purpose of identifying additional candidate offsetting sites within the territories of LDN and/or UFN. Prior to the field work, BW Gold provided LDN and UFN with a map of six potential offsetting areas to visit based on remotely sensed data (i.e., desktop study). Commencing on October 12, 2023,

BW Gold, EcoLogic and Aboriginal Monitors Quain Sulin and Randall Hennigar ground-truthed four of the six previously identified candidate offsetting areas, following priorities communicated by LDN and UFN.

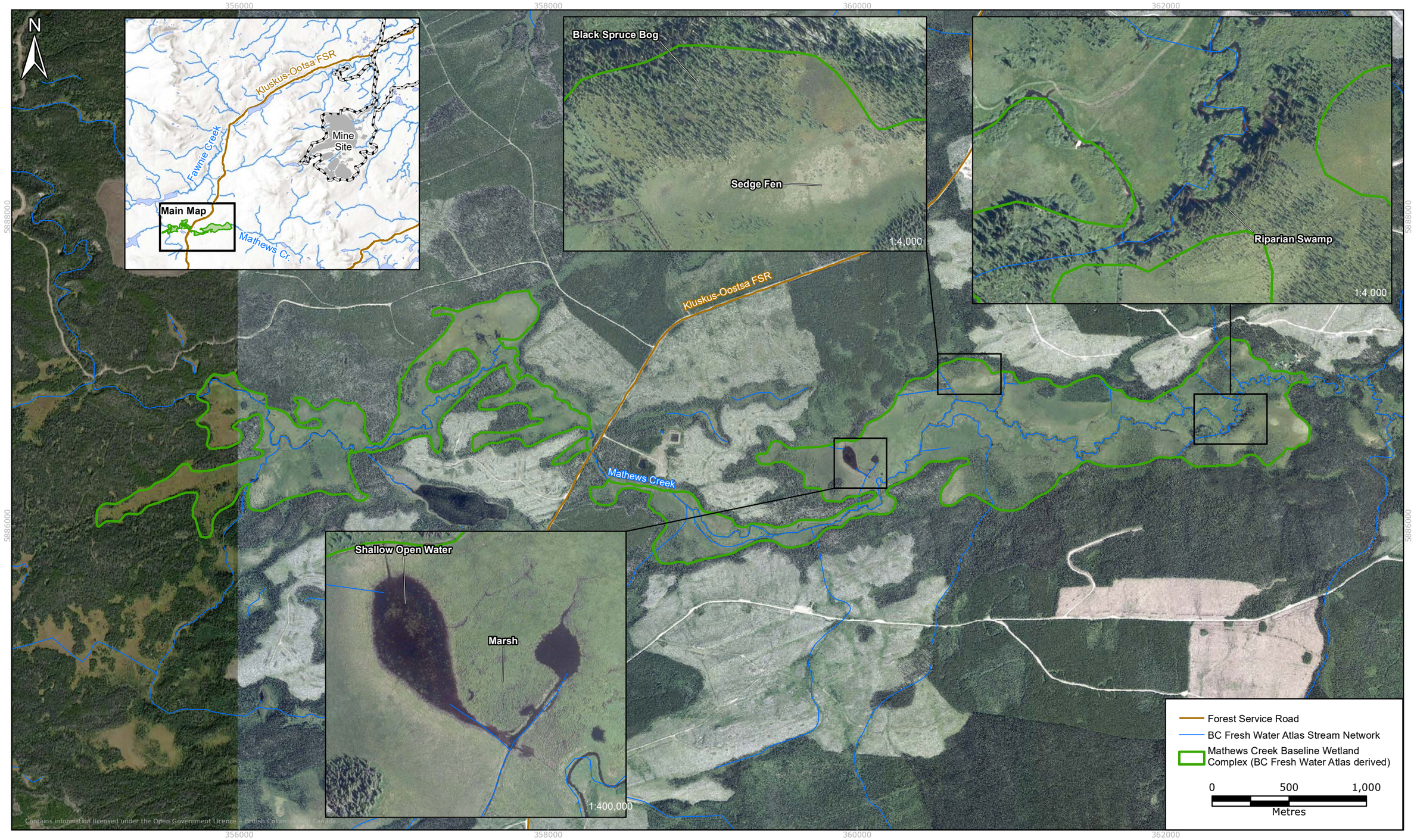
- BW Gold met with the BC Ministry of Water and Land Resource Stewardship in December 2023 to provide an update to the fish and wetland offsetting work completed in response to the EAO's February 2023 letter (Appendix A). The meeting focused on the most recent alternative offsetting site work undertaken collaboratively between BW Gold, LDN and UFN, and included a review of the screening criteria to identify potential fish and wetland offsetting sites using remote sensing, as well as an overview of the results of the field verification. An overview of updates to this document and the wetland offset accounting was also provided.
- BW Gold considered all comments and continued to work collaboratively with UFN and LDN to incorporate the additional field studies and mapping into this updated version of the WMOP. An information tracking table is provided in Appendix N.
- BW Gold will continue to engage with Indigenous groups on the implementation of the WMOP by reviewing monitoring results with the EMC. BW Gold is committed to involving Indigenous assistants during wetland restoration work as part of the WMOP.

9.2 Mathews Creek Ranch Offsetting Site

The Mathews Creek Ranch wetland complex (Figure 9.2-1) was selected as an offsetting site because of its proximity to watersheds and waterbodies impacted by the Project, also occurring within the Nechako River watershed, the same watershed as the Project Area, and location within the territories of the LDN and UFN where the majority of impacts to wetlands are occurring. There are considerable opportunities for restoration activities because there has been intensive agriculture and livestock grazing, active dewatering through the creation of drainage ditches lowering the water table in the wetland and beaver trapping in the area for the last 50+ years. Wetland disturbance along the middle reaches of Mathews Creek, due to cattle ranching and drainage ditch excavation, have resulted in lowered water tables, altered vegetation, soil rutting, and erosion of riparian areas (Application/EIS 5.3.7A – Wetland Compensation Plan).

Wetland offsetting activities at the Mathews Creek Ranch offsetting site (Figure 9.2-2; Table 9.2-1) will focus on restoration efforts, with the added benefits of conservation on those pieces of land private owned by BW Gold. A large natural wetland complex exists at the Mathews Creek Ranch offsetting site; however, it has been substantially degraded through years of agricultural use. The property is overlapped by a Range Tenure (RAN075042, retired in 2012), and displays evidence of past use of agronomic production and cattle grazing. Examples of degradation across the Mathews Creek Ranch site include cattle trails, presence of agronomic species and invasive species, creek crossings, fencing and built structures, and unstable and degraded banks along the creek (Section 9.2). BW Gold bought the property in 2013, which resulted in the removal of grazing and livestock pressure on the land. While there are no specific features that ensure livestock have not been in this area since the purchase, the natural, passive restoration of wetland features and lack of evidence of use by livestock suggests that the procurement was successful in passively restoring aspects of the wetland complex at the Mathews Creek Ranch offsetting site. Furthermore, evidence of beaver trapping has been observed at the Mathews Creek Ranch offsetting site, another anthropogenic pressure that has been removed from the landscape. Evidence of substantial beaver use of the Mathews Creek Ranch offsetting site has been observed as recently as 2022 and is contributing to the recovery of the wetland ecosystem by raising surface water levels to at or above the soil surface in many areas.

FIGURE 9.2-1 MATHEWS CREEK RANCH WETLAND COMPLEX



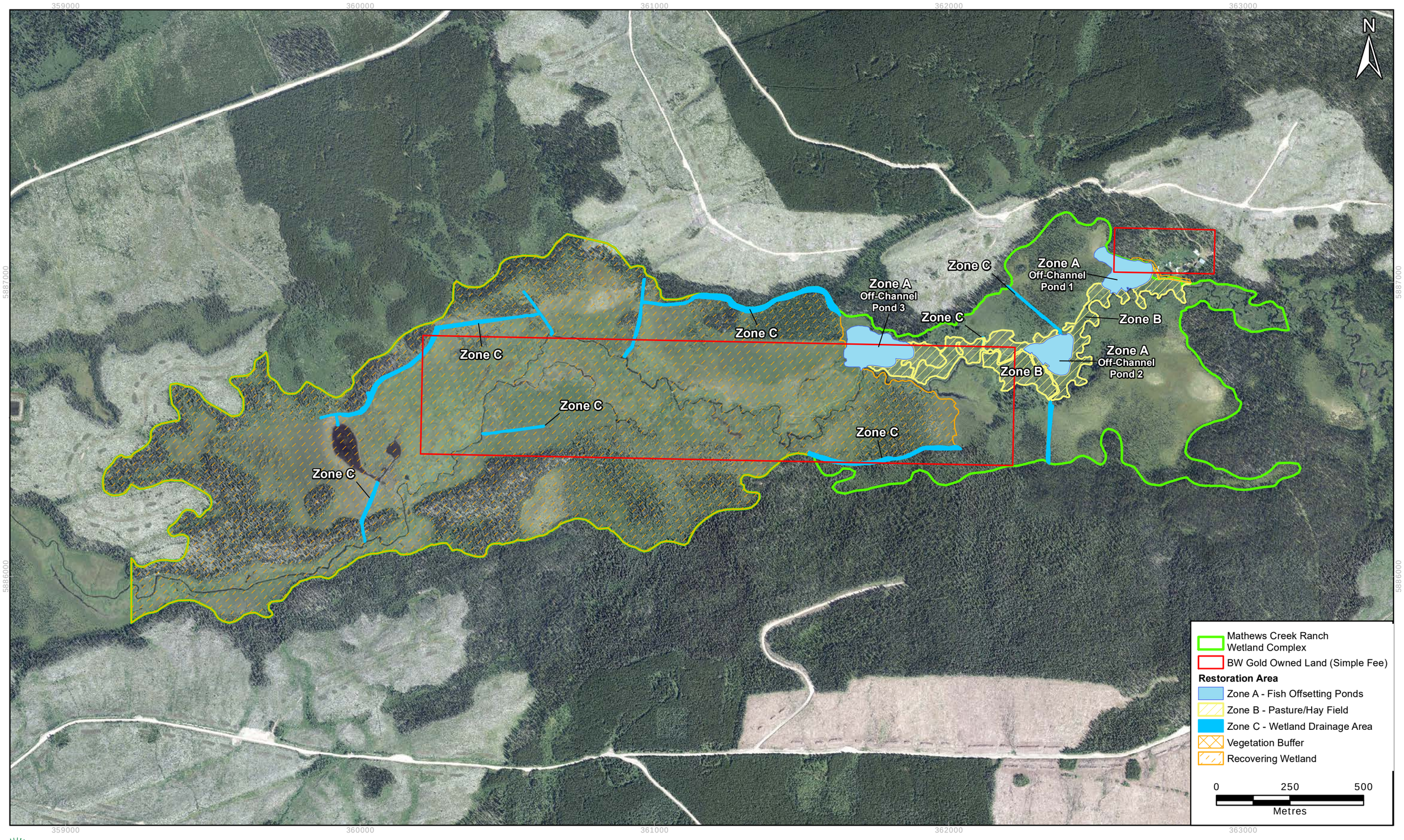
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-057c

DATE: 02/23/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:4,000 when printed at 11x17

FIGURE 9.2-2 MATHEWS CREEK RANCH OFFSETTING ZONES



ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-059a

DATE: 03/27/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:12,000 when printed at 11x17

Table 9.2-1: Summary of Mathews Creek Ranch Wetland Active Restoration Activities

Restoration Zone	Hydrological	Biochemical	Ecological	Habitat
Zone A (Mathews Creek and Fish Offsetting Ponds)	Restore wetland vegetation to reduce erosion potential. Through the fish habitat compensation plan, support development of open water ponds which will help store water reducing runoff potential.	Restore biochemical functions in wetlands altered by human activities by removing livestock to eliminate nutrient loading. Support development of functioning wetland vegetation.	Improve fish habitat and water quality in Mathews Creek to support brassy minnow (blue-listed fish found in the Mathews Creek area). Enhance diversity of ecosystem types by supporting development of woody riparian vegetation (swamp species), open water ponds with littoral marsh/fen emergent grass-like environments, and shallow open waters.	Increase shallow water and marsh habitat along Mathews Creek. Creation of shallow open water and fish over wintering ponds will improve habitat available for migratory birds, fish, and wildlife.
Zone B (Hay Fields and Pasture)	Reduction of soil compaction will increase soil moisture storing more water on the landscape during precipitation events and after snow melt. Areas may need to be prepared “rough and loose” if compaction remains an issue.	Restore biochemical condition in wetlands altered by human activities by removing livestock to eliminate nutrient loading and soil compaction.	Develop an invasive plant management and revegetation plan. This plan will identify and describe invasive species and management practices to remove those invasive species and replace with native wetland plants.	Restore forested wetland habitat to support wildlife use. Planning appropriate tree species to create a mosaic of habitat that will support multiple species.

While it is evident that removal of livestock and the associated reduction in agricultural pressure has allowed the Mathews Creek Ranch wetland complex to naturally, and passively recover some of its wetland functions, there are a number of specific and targeted activities that BW Gold will complete in order to fully restore the wetland complex within a reasonable timeframe (i.e., less than that of passive recovery). Restoration efforts, outlined below, will be further refined following a restoration-specific pre-construction field survey to define the exact spatial extent of necessary restoration activities (see Section 9.2.5). The timing of wetland restoration at Mathews Creek Ranch will be dependent on the fish habitat compensation plan.

The primary goals of the wetland restoration at the Mathews Creek Ranch offsetting site are to:

- Establish an area where degraded wetland functions will be greatly improved by restoration activities;
- Support offsetting losses of wetland function caused by the Project;
- Allow the natural recovery of wetland function to proceed unimpeded by future disturbance;
- Promote the overall improvement of ecosystem conditions that will benefit all flora and fauna species by integrating wetland restoration activities with planned fish offsetting activities at the site, including the construction of off-channel overwintering ponds and riparian area restoration (Palmer 2021); and
- Support the use of the area by various wildlife species, including migratory birds, moose, and species-at-risk.

The open water ponds at the Mathews Creek Ranch offsetting site will provide habitat for waterbirds, particularly foraging habitat for dabbling ducks and shorebirds. Wetlands containing shallow water, such as marshes, swamps, and potholes, provide life-sustaining habitat for more than 900 North American bird species, and flooded wetlands in the heart of the Pacific Flyway are a source of food and shelter for millions of breeding and migratory waterfowl (DU 2022). Shallow ponds are also ideal breeding season habitat for lesser yellowlegs (*Tringa flavipes*), a shorebird species of conservation concern which is known to occur in the Project area; lesser yellowlegs are blue-listed in BC (special concern), and assessed as threatened by the federal Committee on the Status of Endangered Wildlife in Canada (COSEWIC; BC CDC 2022; Government of Canada 2021). Depending on the precise habitat results, these ponds may also provide breeding habitat for horned grebes (*Podiceps auratus*; special concern on Schedule 1 of the *Species at Risk Act*; Government of Canada 2022), which have been recorded breeding in the Project area in very low numbers. Horned grebes breed in shallow waterbodies within emergent vegetation areas, which are likely to develop in the wetland ecosystems of the Mathews Creek Ranch offsetting site. In addition, the conservation of the Mathews Creek Ranch site will contribute to maintaining connectivity of habitat types on the landscape in an area where caribou movement has been documented, and caribou conservation efforts are being undertaken by others (personal communication with KES).

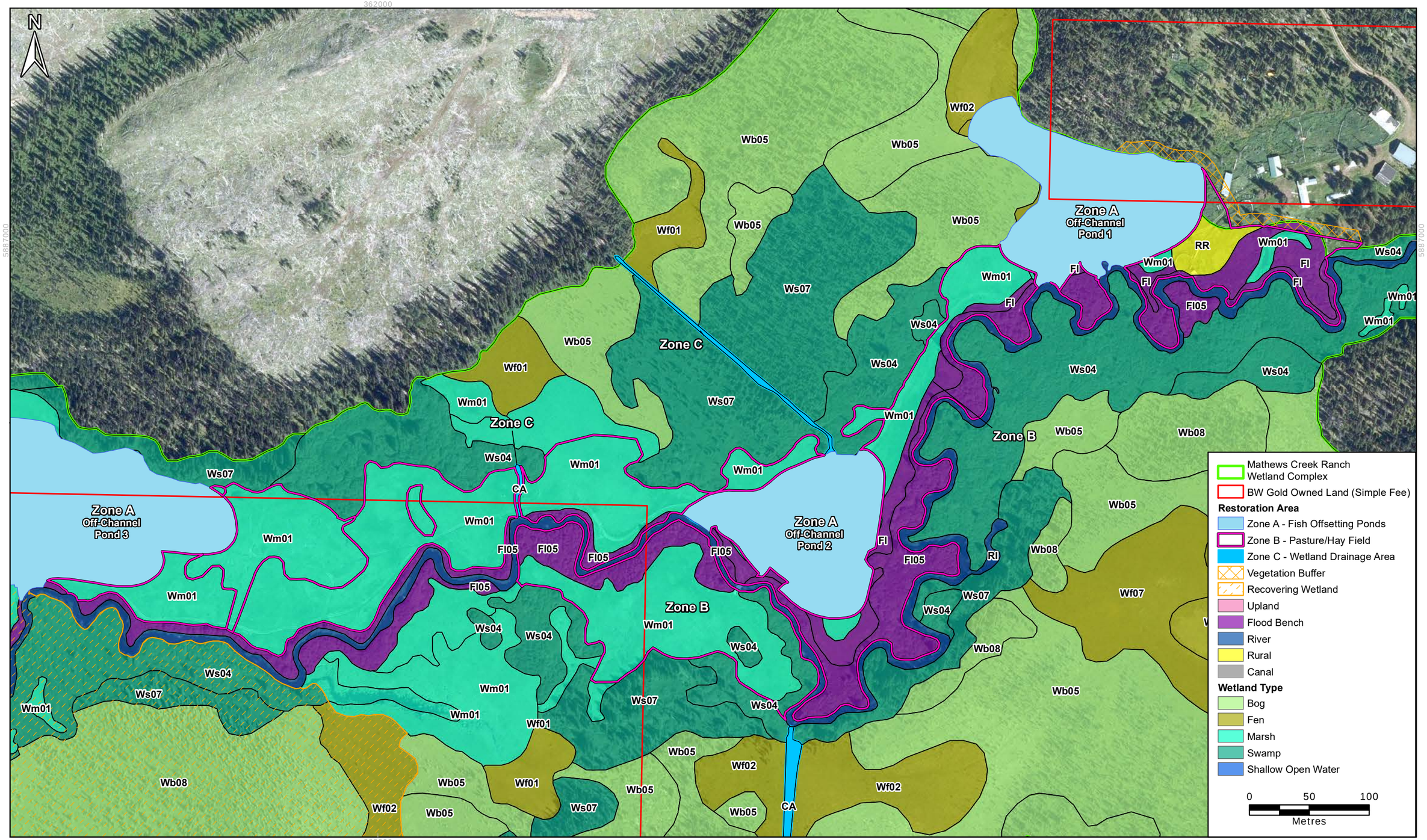
To support site-specific restoration planning at the Mathews Creek Ranch offsetting site, the site has been organized into zones (Figure 9.2-2; Figure 9.2-3). Within each of these zones, specific objectives for wetland restoration are identified.

The zones identified for active restoration are:

- Zone A – Mathews Creek Riparian Area and Fish Offsetting Ponds; and
- Zone B – Hay Fields and Pastureland.

Outside these active restoration zones, passive restoration through removal of disturbance has and will continue to improve general ecosystem condition and wetland function. The passive restoration area, Zone C, is described in Section 9.2.4.

FIGURE 9.2-3 MATHEWS CREEK RANCH OFFSETTING ZONES A&B



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DATE: 03/27/2024

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9.2.1 Land Tenure and Long-Term Preservation

BW Gold has secured a portion of the Mathews Creek Ranch offsetting site through fee-simple ownership, which provides the highest form of land and access rights. As such, this ensures long-term securement of the Mathews Creek Ranch offsetting site. While BW Gold is not contemplating sale, if BW Gold were to sell all or a portion of this land, BW Gold would register an SROW on the land, backed by a license agreement and a restrictive covenant with the new landowner. This would provide the necessary long-term protection of the land and Mathews Creek Ranch offsetting site compensation areas.

An SROW is similar to an easement which can be granted to a governmental agency or certain special classes of companies, including mining companies. Since the SROW would be registered on the title of the land, long-term access to the land and protection of the land for the purposes of the offsetting programs is secured. The points below summarize the various rights that the SROW will provide:

- The SROW, and all the rights contained therein, will run with, and bind the land for an initial term of 99 years. Accordingly, if a landowner were to sell the lands, the SROW would continue to bind them. This ensures that BW Gold would maintain the same rights under the SROW with any new landowner.
- The SROW and the agreement will be registered against the lands at the Land Title Office. This registration will remain on the lands for the duration of 99 years, regardless of ownership. Potential buyers can read the SROW by obtaining it at the Land Title Office.
- If a future landowner were to breach the terms of the SROW, BW Gold would have legal and equitable remedies to rely on. Equitable remedies would allow BW Gold to enforce its rights under the agreement, and may include, but are not limited to, specific performance, injunction and declaratory relief, or any combination thereof:
    - Specific performance – This is an equitable remedy whereby a court, at its discretion, compels a party to perform its contractual obligations.
    - Injunction – This is an equitable remedy which is granted only at the discretion of a court, whereby a court order will either forbid a certain behavior or action or require performance of a certain action or behavior.
    - Declaratory relief – This remedy comes in the form of a judgment from a court that defines the rights of the parties regarding the legal question that was presented to the court. They do not order a party to take any action, but rather state whether the parties may seek or are entitled to relief.

The SROW will give BW Gold the above-noted rights, but it will also impose certain standards on the owner (including BW Gold, as landowner) as to how the landowner performs work on the land and responsibility for damage that may be caused to the land. The SROW will also require the landowner to act reasonably and with due consideration for the interest of any future landowner. Furthermore, the SROW will not grant exclusivity of possession, which means that it will not prevent a future landowner from accessing or using the land, so long as the access or use is consistent with the terms of the SROW. Ultimately both parties (BW Gold and a future landowner) to the SROW must respect the intended use of the SROW and the terms of the agreement.

The SROW is supplemented by a Ministry of Forests notation that ensures the Mathews Creek Ranch offsetting site has no competing Ministry interests in the future (e.g., logging, range tenures). Protection of the Mathews Creek Ranch offsetting site is further supplemented by the Aboriginal Group Monitor and Monitoring Plan that monitors for the occurrence of unauthorized access or damage to the site. In summary, the following commitments have been made regarding land tenure and long-term preservation of the Mathews Creek Ranch offsetting site:

- BW Gold will protect the wetland offsetting works from ongoing cattle disturbances for the duration of time that the Mine Site is in use;
- For the portions of the offsetting site that is on private land, BW Gold will not have cattle on the property; and
- For the portions of the offsetting site that is on Crown land, BW Gold has been working with the Ministry of Forests (MOF) on protective measures that could be implemented.

MOF informed BW Gold that in order for a given party to obtain a new range tenure, a potential tenure holder would need to own, or lease associated lands within 10 km of the range tenure. All nearby cattle operations currently have their own range tenures. MOF has confirmed that at this time, there is no possibility of a potential range tenure in the area of the offsetting site.

As a further backstop, MOF has placed a Map Notation (MN6167) over the Crown land area containing the Mathews Creek Ranch offsetting site. Map Notation 6167 indicates a land tenure conflict when future land status reports are accessed for the area and would identify the compensation area as an area that is undergoing watershed and riparian restoration. The Map Notation will indicate: “Artemis Gold – proposed wetland and fish habitat compensation work. Not conducive to future Range Licence’s”, or similar. A note to file will also be added to indicate that it is not in the best interests of the area to have cattle on these tenures/incompatible use. The idea behind the Map Notation in this case is to give the district statutory decision maker an indication of the status of this area as an ecosystem restoration/conservation zone when a forestry/Range application is applied for within this area.

These measures will alert ministry staff of the wetland restoration land use at the site and prevent issuance of authorizations with competing interests (e.g., grazing tenure in an area that has active restoration). Further, FLNRORD confirmed that the map notation includes the whole past range tenure and not just Mathew’s Creek Ranch, so the securement of land will include a large area surrounding the Mathews Creek Ranch offsetting site. A copy of the map notation along with related maps identifying the spatial area it covers are provided in Appendix Q. By way of BW Gold owning the private land in the area, and through continued collaboration with FLNRORD, an added layer of protection has been given to the land to avoid future degradation from ranching and agricultural activity.

9.2.2 Zone A – Mathews Creek Riparian Area and Fish Offsetting Ponds

Zone A is shown in Figure 9.2-2 and Figure 9.2-3. The specific wetland restoration objectives and associated actions for this area include:

- Remove agricultural practices;
- Restore water quality and quantity in wetlands altered by human activities;
- Increase shallow water wetland habitat along Mathews Creek; and
- Control with the intent to eradicate invasive and agronomic species occurrences.

9.2.2.1 Fish Habitat Offsetting Ponds

Three open water features within Zone A will be built per the Fish Habitat Compensation Plan (Palmer 2021) to provide overwintering fish habitat. Locations of the ponds were determined to maximize the quality of overwintering refuge by targeting areas of naturally high groundwater table and through-flow for minimizing winter ice cover thickness, maximizing dissolved oxygen, and incorporating deep water cobble/boulder substrates, and overhead cover. The construction of the off-channel ponds and offsetting benefits for the Mathews Creek Ranch wetland complex are outlined below:

- The proposed off-channel ponds are also engineered to minimize the risk of sedimentation and avulsion during floods, as described in the Fish Habitat Compensation Plan (Palmer 2021).
- As a result of Pond construction, soil will be temporarily stockpiled and segregated between topsoil and subsoil (Appendix 9-B of the Application). Topsoil stockpiled from Pond 3 will be used in the restoration of all three off-channel ponds (Palmer 2021).
- The creation of open water and marsh habitats will provide summer breeding and feeding sites, moulting sites, migration stopover sites, and food exploration after breeding sites by sustaining a marsh's large standing crop of palatable vegetation, plankton, and aquatic invertebrates (Mackenzie and Moran 2004).
- Vegetation species seeded and planted as part of the restoration activities in Zone A will be specific to the site associations found in the wetland complex during field observations (EcoLogic Consultants Ltd. 2022b).
- Riparian vegetation will increase productivity of adjacent and downstream fish habitat by providing shading for cover and aquatic food sources, moderating fluctuations in water temperature, contributing allochthonous inputs, stabilizing banks, and maintain overall channel morphology. Water quality, temperature, and stream hydrology are indirect values to fish habitat resulting from riparian habitat restoration (Palmer 2021).

The revegetation prescriptions found in the Mathews Creek Channel Restoration and Enhancement Vegetation Prescriptions (EcoLogic Consultants Ltd. 2022b) for each off-channel pond and riparian area will be followed for all revegetation efforts associated with Zone A activities.

9.2.2.2 Invasive Species Management

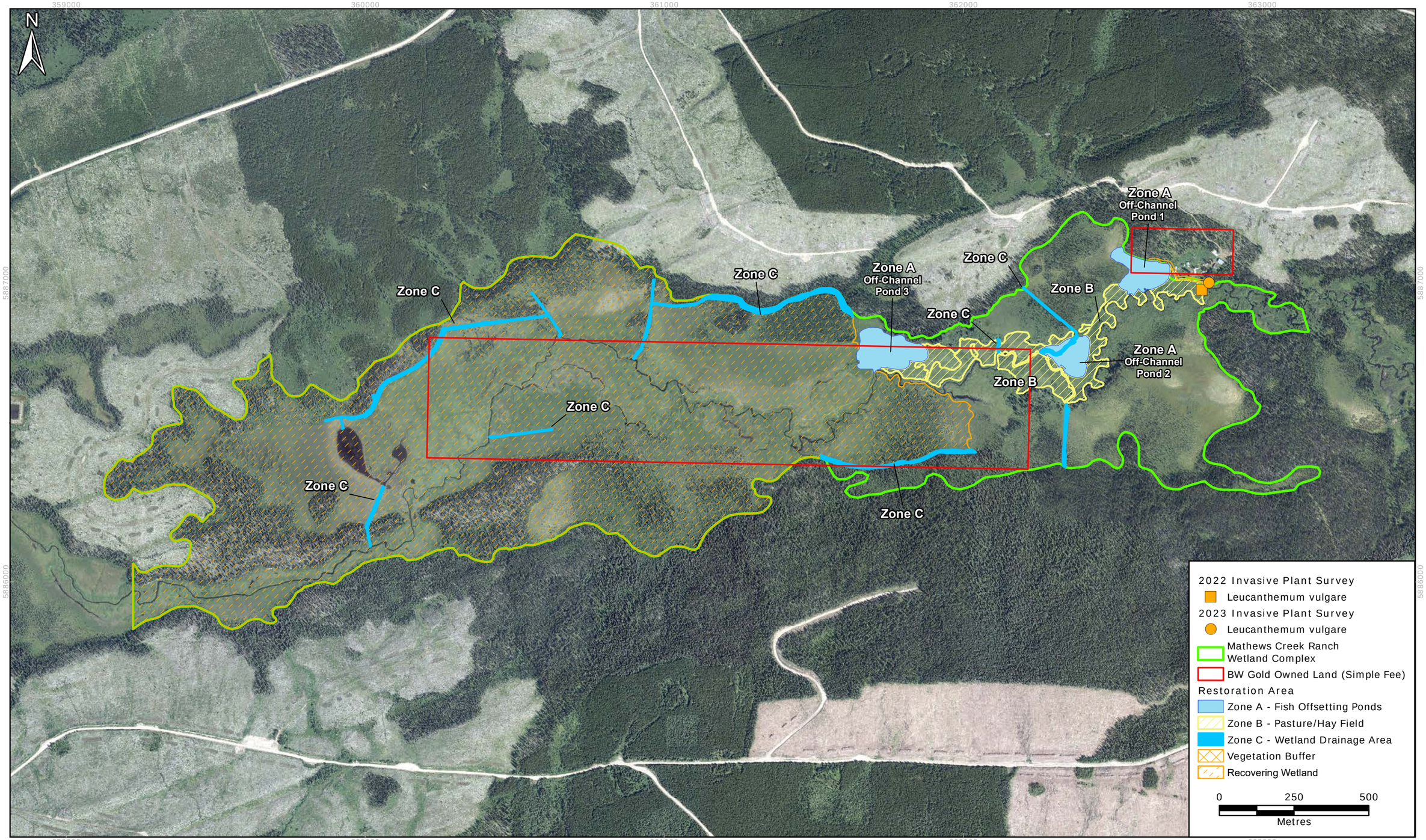
Invasive plant species exist at the Mathews Creek Ranch offsetting site. Section 4 of Palmer (2021) outlines the vegetation and invasive plant management specific to the off-channel pond construction in Zone A, ensuring that the following are implemented:

- Clean earth-moving equipment is used on site;
- Proper removal and disposal of noxious weeds and other invasive plants;
- Applying erosion controls and water management mitigations;
- Appropriate tree removal; and
- Use of native vegetation for site restoration.

The Invasive Plant Management and Invasive Plant Monitoring Standard Operating Procedures (ERM 2023a; ERM 2023b) outline how to reduce the colonization and control of invasive plant species following restoration activities. Relevant CEMP (Appendix 9-C of the Application) measures will be applied to ensure the appropriate use and storage of equipment working in this area is suitable for all restoration activities at the Mathews Creek Ranch offsetting site (Appendix 9-G of the Application; Appendix 9-F of the Application).

Figure 9.2-4 illustrates the results from the 2022 and 2023 field surveys for invasive plant species at the Mathews Creek wetland complex (ERM 2024). Based on the annual invasive plant surveys conducted in 2022 and 2023, one invasive species was observed at the Mathews Creek Ranch wetland complex (Figure 9.2-4). Oxeye daisy (*Leucanthemum vulgare*) was observed in the same plot location during both years of the annual conducted invasive plant survey within Zone B (Figure 9.2-4).

FIGURE 9.2-4 INVASIVE PLANT SPECIES IDENTIFIED IN MATHEWS CREEK RANCH, 2023



ERM

CLIENT: BW Gold LTD.
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All restoration activities proposed for the Mathews Creek Ranch offsetting site will commence following an invasive plant survey that identifies and flags work-free zones around invasive plant species present on site. Invasive plant surveys will include species, presence, location, and extent of invasive plants as per the Blackwater Invasive Plant Management Plan (IPMP). Once identified, no materials, equipment, people, or otherwise, will be permitted within the work-free zones, unless to implement invasive plant controls and following approved procedures for reducing the likelihood for cross-contamination.

9.2.3 Zone B – Hay Fields and Pastureland

Zone B is defined as the Hay Fields and Pastureland characterized by modified/degraded marsh (Wm01) and swamp (Ws04) wetland communities, in addition to floodplain vegetation (Fl05) with high densities of agronomic and other undesirable species, and limited presence of invasive species. Zone B is shown in Figure 9.2-2 and Figure 9.2-3. To support restoration in this area the following wetland restoration objectives have been identified:

- Restore wetland conditions altered by human activities;
- Restore native wetland vegetation to support wildlife use; and
- Manage invasive plant species.

Specific restoration prescriptions to meet these objectives are discussed in the following sections, including site preparation (Section 9.2.3.1), revegetation (Section 9.2.3.2), and the establishment of a vegetation buffer (Section 9.2.3.3). Prior to any restoration work commencing, the spatial extent of Zone B will be refined, flagged, and mapped to determine final spatial extents for this zone (see Section 9.2.5). Riparian areas identified as part of the Mathews Creek Channel Restoration and Enhancement Vegetation Prescriptions (EcoLogic 2022b) will follow prescriptions defined in that plan, while areas outside these boundaries will utilize prescriptions discussed below.

9.2.3.1 Site Preparation

To provide suitable conditions for revegetation prescriptions, site preparation will be required. Site preparation activities will include the following:

- Removal of anthropogenic structures;
- Clearing of agronomic and other undesirable species;
- Earthworks related to soil preparation; and
- Addition and arrangement of coarse woody debris.

Site preparation should begin no less than one year prior to the commencement of restoration activities, particularly in heavily disturbed areas dominated by agronomic/undesirable species with the goal of controlling competing vegetation. Ideally, multiple iterations of site preparation will occur to control competing vegetation. Where agronomic/undesirable species are absent and native wetland vegetation is recovering, less intensive site preparation will be applied such as manual removal of isolated weeds or mowing existing vegetation to reduce competition prior to planting. Site preparation techniques and boundaries will be dependent on current conditions.

Removal of Anthropogenic Structures

Agricultural practices, including livestock and the seeding and maintenance of agronomic species, have been halted at the Mathews Creek Ranch offsetting site since BW Gold took over ownership. However,

anthropogenic features remain within the wetland complex. The following measures will be implemented to remove these features from the landscape:

- Where possible and if present, all anthropogenic structures including barriers, agricultural subsurface drainage tiles, fencing, and equipment will be removed from the Mathews Creek Ranch wetland complex.
- The method of removal will be dependent on the location of the feature and its impact on restoration activities. This may include the use of machinery or human-power. Machinery use will be limited to existing roads that traverse the wetland complex to the extent possible. Equipment will not be driven in the recovering areas (Zone C) of the wetland complex, beyond the extent of Pond 3 (Palmer 2021) to retrieve structures.

Clearing of Agronomic and Other Undesirable Species

Historically used for agricultural practices, Zone B contains agronomic and other undesirable (i.e., exotic) species that may impede wetland recovery and pose a risk of future spread. As a result, Zone B will require intensive intervention to control these species, manage the seed bank, and sufficiently reduce competition to enable restoration with native plant species. Table 9.2-2 identifies agronomic and undesirable species identified on site in 2022 (EcoLogic 2022b).

Table 9.2-2: Agronomic and Undesirable Species Observed at the Mathews Creek Ranch Wetland Offsetting Site

Common Name	Scientific Name	Location (EcoLogic 2022b)	Native Status
Meadow foxtail	*Alopecurus pratensis*	Common, low cover on drier microsites	Exotic
Mouse-ear chickweed	*Cerastium fontanum*	Sporadic single individuals	Exotic
Reed canary grass	*Phalaris arundinacea*	Small patch near old farm buildings on the edge of Pond 1	Exotic variety suspected as it is a commonly planted agronomic
Common timothy	*Phleum pratense* ssp. *Pratense*	Common, low cover on drier microsites	Exotic
Kentucky bluegrass	*Poa pratensis* ssp. *Pratensis*	Common, low cover on drier microsites	Exotic
Meadow buttercup	*Ranunculus acris*	Common, low cover on drier microsites and edges of wetter areas	Exotic
Common dandelion	*Taraxacum officinale*	Sporadic single individuals	Exotic
Alsike clover	*Trifolium hybridum*	Sporadic single individuals	Exotic

Note: Adapted from Ecologic (2022b)

The order of preference for managing these species is: (1) soil inversion; and/or (2) scraping and removing soil.

Management Option #1: Soil Inversion

Where conditions are suitable for equipment use, plowing treatments are recommended to manage and exhaust the agronomic seed bank in Zone B and prepare the site for restoration. Annual treatments of properly timed tillage over several years are preferred, with a minimum of one treatment required prior to

the commencement of restoration activities. Fewer treatments are expected to reduce the efficacy of the treatment on agronomic and undesirable species control.

A winged subsoiler or chisel plow are the preferred implements to be used to exhaust the agronomic seed bed, with the additional benefit of decompacting soils and maintaining organic material on site (Raper 2007). In areas where a subsoiler or chisel plow cannot access, an excavator arm with bucket attachment may be used to excavate and invert the upper soil materials.

The success of soil inversion is strongly dependent on its execution, if not buried deep enough undesirable species may re-sprout and planted seedlings may desiccate during summer drought if planted on elevated surfaces (Hallsby 1994; Orlander et al. 1998). The soil profile will be inverted to a depth between 0.5 m and 1.0 m to sustain the use of smaller equipment and preventing significant moisture loss (Landlife 2008; Pearson 2013).

Management Option #2: Scraping and Removing Soil

If soil inversion treatments are not successful, soil material dominated by agronomic/undesirable species will be scraped and removed from the Mathews Creek Ranch wetland complex. All regenerating vegetation and the upper 0.3 m of soil will be removed for disposal off-site to reduce the risk of further spread and increased competition for native species. This management measure will be used selectively as needed, attempting to remove and restore patches over large-scale scraping and removal.

Earthworks

In addition to the soil management activities targeted to reduce agronomic and undesirable species, rough and loose mounding will be used to further reduce soil compaction and create surface topographic heterogeneity conducive to restoration, by increasing seed contact with soil, as well as creating variety in available microsites (Polster 2009; Haeussier 1989). The soil surface should be left as rough as possible as larger mounds have been shown to support more species diversity in wetland restoration (Doherty and Zedler 2015).

The use of rough and loose site preparation techniques will target heavily compacted sites such as equipment trails that traverse the wetland complex. This will aid in the prevention of drought conditions over time and changes to moisture content in soils available for plants and micro-organisms (Cox & Cullington 2009). Earthworks targeting decompaction and microsite creation along existing trails will occur east of Pond 3 (Zone B), following pond construction which will utilize existing trails on site to the extent possible. Soil disturbance in recovering wetlands west of Pond 3 (Zone C) will be avoided.

Wet soil conditions will prove difficult for heavy equipment use throughout Zone B. Excessive soil disturbance and compaction can be mitigated through use of logs or construction matting to distribute the weight of heavy equipment, use of equipment with wide tracks and low ground pressure, equipment with long reaches and the use of smaller equipment (avoiding heavy earth scrapers) (GOA 2018). Additional soil management information can be found in further detail in the SEPSCP, CEMP, and VMP (Appendix 9-A of the Application; Appendix 9-C of the Application; Appendix 9-F of the Application).

Soil Salvage and Translocation

Wetland topsoil provides unique sources of plant materials containing propagules of native vegetation, as well as abundant organic material, nutrients, fungi, and other beneficial microbes that can be translocated to utilize its seedbank and propagules (USDA 2021). Any available topsoil and associated plant materials from Zone A pond construction that is suitable for restoration and visually free from invasive or undesirable plants (e.g., Pond 3) will be salvaged and spread strategically in Zone B. Topsoil from Ponds 1 and 2 are considered unsuitable for restoration use due to the presence of agronomic and undesirable species and will be disposed of off site.

Soil salvage activities will be guided under the direction of a QP to reduce the likelihood for admixing of topsoil and subsoil. Suitable soil materials (topsoil and subsoil) will be temporarily stockpiled in areas free from invasive or undesirable plant species until its use in Zones A and B. The addition of outside planting substrate or soil amendments are not advised since the in-situ soil at the Mathews Creek was deemed an excellent quality growth medium during the 2022 field surveys (EcoLogic 2022b).

Best Management Practices (BMPs) for applicable stockpiling and decompaction techniques are discussed in further detail in the Soil Management Plan (Appendix 9-B of the Application). Erosion control measures are identified in the SEPSCP.

Coarse Woody Debris Placement

Woody debris will be used in the reconstruction the natural bankfull channel of Mathews Creek and will also be used to provide habitat features along the shoreline of the off-channel ponds (Palmer 2021). Following earthworks, the addition and arrangement of coarse woody debris throughout Zone B will be undertaken to enhance microsite heterogeneity, available nutrients, and erosion control (EcoLogic 2022b).

9.2.3.2 Revegetation

Revegetation prescriptions in Zone B will align with but will not overlap areas of Zone that are restored through the Mathews Creek Restoration and Enhancement Plan (EcoLogic 2022b).

Revegetation prescriptions (Table 9.2-3) are based on wetland community targets determined through ecosystem mapping (EcoLogic 2022b), vegetation structure and plant species specific to site associations (MacKenzie and Moran 2004) and known occurrences within the Mathews Creek wetland complex based on 2022 field surveys (Appendix D). Revegetation efforts include targeting establishment of native graminoids, forbs, shrubs, and tree seedlings, through a combination of seeding and planting (nursery stock, transplanting, staking). The comprehensive vegetation species list (Table 9.2-3) defines plant species by target wetland community within Zone B. Treatment locations are shown in Figure 9.2-3, with revegetation prescriptions assigned in Table 9.2-3 discussed in more detail within the following sub-sections.

Revegetation prescriptions will implement best practices (e.g., BC MWLA 2001; Parks Canada 2008; Palmer et al. 2016; Young et al. 2022) based on ecological theory and site-specific recommendations, including:

- Targeting vegetation communities in zonal site associations (MacKenzie and Moran 2004) – Zone B contains target wetland communities Wm01 *Beaked sedge – water sedge*, Ws04 *Drummond's willow – beaked sedge*, and Fl05 *Drummond's willow – Bluejoint*, and borders Ws07 *Spruce – Common horsetail – Leafy moss*, Wb05 *Black spruce – Water sedge – Peat-moss*, and Wf01 *Water sedge – Beaked sedge* (Table 9.2-3; Figure 9.2-3).
    - Species lists are based on characteristic flora and observed associations, with relative abundance based on species' importance to site association.
    - Planting/seeding densities were chosen to reflect the typical percent cover of vegetation per layer (tree, shrub, herbaceous) in the target wetland class, as well as the importance of species appropriate for planting to that site association.
    - Seeding and planting rates will be adapted based on seed or plant stock availability, as revegetation targets a combination of seeding or planting.
    - Historical land clearing makes confidence in target communities unclear, transitions between communities are generally not sharp, and wetland polygons represent a mix of vegetation types (e.g., MC136 likely being mix of marsh and swamp), so prescriptions will be adapted based on site conditions.

- Using locally sourced seed and plant material – Plant materials or seeds may be collected on site or from nearby local sources and involving the local Nations wherever possible (e.g., seed collection workshops); otherwise, procured from native plant/seed suppliers with consideration for local genotypes and seed planning zones for trees (BC MOF 2023).
- Mimicking natural community composition and heterogeneous vegetation – Accomplished though site preparation and creation of surficial heterogeneity/microtopography (Section 9.2.3.1), as well as revegetation targeting irregular patterns and spacing for plants, clusters of varying amounts and species, etc. Heterogenous vegetation (different species, structure, etc.) in restored wetlands have added benefits such as increased plant and wildlife diversity, resistance to invasive species, lower methane emissions (Matthes et al. 2014; Zedler et al. 2005).
- Areas identified to have successful natural regeneration and recovery of native species, may only need infill (supplemental) planting to meet the target densities or species diversity. If native vegetation is established in an area, but additional seeding/planting is required (e.g., in patches of disturbed soil), areas will be interplanted or seeded in gaps to prevent disruption of existing vegetation.
- Planting/seeding densities higher than target to factor in loss due to some expected mortality or variability in germination success as is typical for restoration efforts (BC MWLA 2001). Densities may also be adjusted in areas where competition with agronomic/undesirable species is expected.
- Revegetation SOPs will be developed prior to implementation of restoration prescriptions.

Table 9.2-3: Mathews Creek Ranch Wetland Revegetation Plant List – Zone B – Hay Fields and Pastureland

Target Ecosystem	Area (ha)	Vegetation Species Composition	
		Direct Seeding	Planting (Nursery Stock, [1]Transplant, [2]Live Stake)
Wm01 Beaked sedge – water sedge Percent Cover by Vegetation Layer: Tree (0-0-0) Shrub (0-0-0) Herb (13-80-100) Moss (0-5-100)	5.71	**Herbaceous (500 PLS/m²)** *Calamagrostis canadensis** *Galium trifidum** *Geum macrophyllum** *Juncus balticus*	**Herbaceous (4 plugs/m²)** ***Carex aquatilis**** ***Carex utriculata*[1]***** *Comarum palustre** *Rumex occidentalis*
Ws04 Drummond's willow – beaked sedge Percent Cover by Vegetation Layer: Tree (0-0.5-0) Shrub (10-52-100) Herb (2-53-90) Moss (0-14-80)	0.23	**Herbaceous (500 PLS/m²)** *Calamagrostis canadensis** *Geum macrophyllum**	**Shrubs (1/m²)** *Alnus incana* *Betula glandulosa** *Lonicera involucrata*[2]*** *Ribes oxyacanthoides* *Rubus arcticus** *Salix barclayi*[2]*** ***Salix drummondiana*[2]** *Salix glauca** *Salix maccalliana* *Spiraea douglasii*

Target Ecosystem	Area (ha)	Vegetation Species Composition	
		Direct Seeding	Planting (Nursery Stock, [1]Transplant, [2]Live Stake)
			Herbaceous (4/m²) ***Carex aquatilis**** ***Carex 9-19nvolucrat**** *Equisetum arvense* *Equisetum sylvaticum*? In Ws04 poly*
FI05 Drummond's willow – Bluejoint Percent Cover by Vegetation Layer: Tree (0-0-2) Shrub (40-80-99) Herb (4-40-90) Moss (0-1-40)	2.70	**Herbaceous (2,000 PLS/m²)** *Anthoxanthum hirtum* ***Calamagrostis canadensis**** *Delphinium glaucum* *Epilobium ciliatum* *Epilobium palustre* *Geum macrophyllum** *Heracleum maximum* *Poa palustris* *Sanguisorba stipulata*	**Shrubs (1/m²)** *Alnus incana* *Betula glandulosa** *Cornus sericea²* ***Lonicera involucrata²**** *Ribes bracteosum* *Ribes hudsonianum* *Ribes lacustre* *Ribes triste* *Ribes oxyacanthoides* *Rosa acicularis* *Rosa nutkana* *Rubus arcticus** *Salix barclayi²** *Salix bebbiana²* ***Salix drummondiana²*** *Salix stichensis²* *Symphocarpous albus* *Spiraea douglasii* *Viburnum edule*

Notes:

PLS = pure live seeds

*Target Ecosystem, percent cover by vegetation layer, and characteristic species reference MacKenzie and Moran (2004). Dominant species **bolded and underlined**; abundant to very abundant species are **bolded**; common species are underlined – these plants will represent a larger component of revegetation material (in reference to MacKenzie and Moran 2004).*

Area (ha) calculated as the area within Zone B, excluding the Pond areas (Zone A).

[1] Transplant = herbaceous plant species known to occur on site and suitable for transplanting but cannot be live staked.

[2] Live Stake = woody species suitable for live staking, including some willows (Salix spp.), black twinberry (Lonicera involucrate), red-osier dogwood (Cornus sericea), and black cottonwood (Populus balsamifera ssp. Trichocarpa).

** Species found within Mathews Creek offsetting site during 2022 field surveys (EcoLogic 2022b).*

Seeding

Seeding prescriptions (species and rates) are defined by target wetland community type as per Table 9.2-3 and Figure 9.2-3. Since species appropriate for seeding represent a smaller (secondary) component, generally grasses and some forbs, seeding will occur at a lower rate than typical application rates if seeding were used alone. Only plant species with good germination from seed in field were selected for direct seeding, since plants such as sedges have low seed production and recruitment from seed and are

better reproduced in nursery and planted out as plugs (Tilley et al. 2011; Shaw et al. 2020). Seeding will follow best practices (Burton and Burton 2003; Dobb and Burton 2023; Kettenring and Tarsa 2020; Minnesota Board of Water & Soil Resources 2012) and site-specific recommendations, including:

- Dry broadcast seeding will be applied to bare soil, wherein seeds are spread across the soil surface, as it the recommended seeding method for wetland species, has high germination success and is suitable for most site conditions, is flexibility in delivery method, and produces a more natural variable distribution of plants compared to uniform distribution as with drill-seeding (Armstrong et al. 2017; Burton and Burton 2003; Kettenring and Tarsa 2020).
- Equipment used for broadcast seeding will depend on site conditions (e.g., soil saturation/ unconsolidated substrates and accessibility of equipment) but will include hand-broadcast seeding or use of a rotary (cyclone) spreader, which is either manually operated or mounted on a vehicle (e.g., ATV).
- Site preparation methods are described in Section 9.2.3.1 and should occur prior to seeding to prepare the seed bed (increase soil-seed contact). Seeding should ideally occur immediately following site preparation, but in alignment with timing below. Generally, wetland species are best placed on the soil surface, without burying or raking required after seeding (Minnesota Board of Water & Soil Resources 2012). If seeding is unable to occur immediately after site preparation, raking/harrowing immediately prior to seeding is beneficial.
- Timing – Fall seeding is preferred to accommodate species which require winter stratification. In BC, seeding is most effective in late fall (just before snowfall) or early spring (before bud burst), to take advantage of the moist soil conditions (BC Ministry of Agriculture 2012), with late fall seeding generally best (Burton & Burton 2003). *Calamagrostis canadensis* comprising the largest component of seed (Table 9.2-3) has no dormancy and germinates well in spring or fall (Darris 2005), while other species targeted for seeding (e.g., *Geum macrophyllum*) require winter stratification (Burton & Burton 2003) and are best seeded in fall.
- Seeding Rate – Seeding rates by wetland site class are shown in Table 9.2-3 and Figure 9.2-3. Seeding will only be applied to areas of bare soil.
    - Fl05 seeding rate of 2,000 PLS/m² for where seeded species (*Calamagrostis canadensis*) are dominant species in that site association.
    - Wm01 and Ws04 seeding rate of 500 PLS/m² for where seeded species represent a small component in that site association.
    - Seeding rates are adjusted (reduced) compared to if seeding were used for revegetation alone (i.e., <3,000 PLS/m² if seed applied alone [EcoLogic 2022b]), according to the importance of species appropriate for seeding within the target wetland site class and percent cover of herbaceous species typical for the site association.
    - Where competition from agronomic/undesirable species is predicted, seeding rate may be increased closer to the highest seeding density recommended for wetlands at 3,000 PLS/ m² (Kettenring and Tarsa 2020).
    - Application rate (kg/ha) will depend on the seed mix composition and associated species seed weights, purity, and viability/germination to achieve desired pure live seed (PLS) per square metre (m^2).
- A Certificate of Seed Analysis will be required from all seed providers for each lot of each species to ensure the seed mix is free of invasive seeds or weed seed contaminants. The seed mix will be rejected if the Certificate of Seed Analysis identifies any species listed in the BC Weed Control Regulation (BC *Weed Control Act)*, the *Forest Range Practices Act,* Invasive Plants Regulation, or on

regional or provincial invasive plant species lists. Up to date invasive plant species information will be referenced to identify invasive species including *Provincial Priority Invasive Species BC Inter-Ministry Invasive Species Working Group August 2023* (Government of BC 2023), *NWIPC Target Plant List* (NWIPC 2020), and the *InvasivesBC* list (Government of BC 2020).

Planting

Planting prescriptions (species and rates) are defined by target wetland site class and vegetation layer (tree, shrub, herbaceous) as per Table 9.2-3 and Figure 9.2-3. Planting densities have been chosen to reflect the typical percent cover of vegetation per layer (tree, shrub, groundcover) in the target wetland site association, as well as the importance of species appropriate for planting to that site association. Within revegetation areas, planting locations will be selected based on assessments of site conditions and individual species' preferred microhabitats and tolerances (e.g., soil moisture, nutrients, shade/sun tolerance, etc.).

Planting will follow best practices (e.g., BC MWLA 2001; Minnesota Board of Water & Soil Resources 2012) and site-specific recommendations, including:

- Site preparation methods are described in Section 9.2.3.1 and should occur prior to planting. Planting should ideally occur following site preparation and seeding, but in alignment with timing below. Planting may be delayed to the following spring if planting is done in late fall.
- Timing – Best completed in spring or early fall (depending on stock).
- Stock – Planting stock will include nursery stock (plugs, 1-2 gallon pots), supplemented where possible by transplants for herbaceous species (harvested plants; wildlings) and live stakes for suitable shrubs/trees. Species suitable for installation as nursery stock, transplanting, or staking are shown in Table 9.2-3.
- Densities – Target planting density by plant type (tree, shrub, herbaceous) and by wetland site association are shown in Table 9.2-3 for areas in Figure 9.2-3.
    - Wm01 planting density: 4 herbs per square metre (m^2) since groundcover is high for the site association (average 80%, up to 100% cover), of which planted herb species represent a large component, particularly *Carex urticulata* (dominant) and *C. aquatilis* (abundant to very abundant).
    - Ws04 planting density: 4 herbs per m^2 since groundcover is high for the site association (average 53%, up to 100% cover), of which planted herb species represent a large component, particularly *Carex urticulata* and *C. aquatilis* (both abundant to very abundant). Additionally, 1 shrub per m^2 since shrub cover is high (average 52%, up to 100%), of which species are suitable for either planting or staking.
    - Fl05 planting density: 1 shrub per m^2 since shrub cover is high for the site association (average 80%, up to 99%), of which species are suitable for either planting or staking.
    - Densities described represent an overall average density, with implementation of planting being in clusters as described below.
- Cluster planting – Target irregular patterns and spacing for plants, and clusters of varying amounts and species to mimic natural community composition, maintaining a minimum spacing between plants based on plant type.
    - Herbaceous Clusters (nursery stock, transplants): clusters of 3-6 herbaceous plants (plugs), minimum spacing between plants should be 0.25 m. Larger transplants containing multiple species may be counted as their own cluster.

- Tree/Shrub Clusters (nursery stock, stakes): clusters of 3-10 tree/shrubs, minimum spacing between two shrubs should be 0.5 m, minimum spacing between two trees should be 2 m.
- Cluster radius and spacing between clusters will be based on the target densities defined in Table 9.2-3, maintaining the minimum recommended spacing for trees, shrubs, and herbaceous species (e.g., if herbaceous plant target density is 4 plugs per m² then clusters of 4 plugs could be spaced 1 metre apart).

- Infill planting – Where natural native regeneration has occurred or planting is needed only in disturbed patches, infill planting may only be necessary to meet the target densities or species diversity. In areas where infill planting is used, larger plugs/potted stock or taller stakes may be used to rate of establishment and increase competitive advantage of planted species. If necessary to reduce competition with existing vegetation where infill planting may occur, cutting back of existing herbaceous vegetation prior to planting can occur.
- If conditions are dry, temporary irrigation may be necessary to ensure germination, growth, and survival until root systems are well established, but wetland soils are expected to be saturated.

Nursery Stock Planting

Nursery stock includes plants grown in nurseries. Both woody and herbaceous species will be targeted for planting as nursery stock according to planting methods described above to meet target plant densities by wetland site association in Table 9.2-3 for locations shown in Figure 9.2-3. Planting will follow best practices (e.g., BC MWLA 2001; Minnesota Board of Water & Soil Resources 2012) and site-specific recommendations, including:

- Tree, shrub, and herbaceous species targeted for planting as nursery stock are shown in Table 9.2-3.
- Wire cages or plastic guards will be added to the individual seedlings at risk from beavers – willows and red-osier dogwood (Duddles and DeCalesta 1992) – particularly for large potted stock (Withrow-Robinson et al. 2011).
- Best practices for plant care will be followed, including keeping plants cool and moist (saturated or in standing water where appropriate), proper handing and storage (in shade), use of silvicool tarps and planting sacs, etc.
- Planting will follow proper planting techniques including proper depth so top of plug is level with soil surface, roots are straight and uncurled (not J-shaped), upright, and gently pack around the tree roots to reduce air pockets.

Transplanting/Salvage

Transplanting of native wetland species from areas within the Mathews Creek wetland complex, or nearby areas such as salvage from the Project Area, will be used to supplement nursery stock. Herbaceous species (or woody seedlings) will be targeted for transplanting according to planting methods described above to meet target plant densities by wetland site association in Table 9.2-3 for locations shown in Figure 9.2-3. Wetland transplants have the added benefit of establishing species which may not be available as seed or nursery stock, as well as contain topsoil which can contain propagules/seed of other native vegetation, as well as organic material, nutrients, fungi, and other beneficial microbes (USDA 2021). Section 9.2.3.1 describes application of soil salvage at Mathews Creek offsetting site. Transplanting procedures will follow best practices (Ashenhurst & Polzin 2010; Dawe et al 2000; USDA 2005) and site-specific recommendations.

Vegetation for transplanting of plugs or clumps of material will be selected based on:

- Herbaceous species targeted for transplanting include those known to occur within Mathews Creek Ranch offsetting site as shown in Table 9.2-3.
- To ensure that no agronomic or other undesired species are present in the transplanted material, donor sites will be selected west of Zone B outside of areas with known non-native vegetation. Suitable donor sites will be scouted and mapped in the field before transplanting activities.
- Selected species for transplanting should average a height of 7.5 cm (Ashenhurst & Polzin 2010).
- Harvested vegetation should be dug up no less than 13 to 15 cm deep, allowing for enough of a root mass to ensure good establishment at the receiving site (USDA 2005).
- Ensure the root length is relative to the saturation zone at the planting site, ensuring the bottom of the roots of the harvested species have direct contact with the saturation zone, if the species' ecology requires it (USDA 2005).
- Transplant vegetation will not deplete the undisturbed harvested area and will be collected in a high-density area of the given plant species (Ashenhurst & Polzin 2010).
- To increase survival rates and reduce plant shock and desiccation of harvested species:
- Plants will be selected with healthy foliage and no signs of disease or mechanical damage.
- Excavation of plants and re-planting will be conducted with minimal lag time between harvesting and replanting (i.e., same day).
- Care should be taken to keep the soil intact with the roots as this provides beneficial soil and mycorrhizal symbionts and prevents root damage and drying.
- Covering transplant material with soil from the receiving site will increase establishment success (USDA 2005).

Live Staking

Live staking is a revegetation and bioengineering technique involving the installation of dormant but live tree/shrub cuttings directly into moist soil without special treatment. Suitable woody species will be targeted for installation of live stakes according to planting methods described above to meet target shrub densities by wetland site association described above and in Table 9.2-3 for locations shown in Figure 9.2-3. Wetland communities identified for staking include shrub dominated communities Ws04 and Fl05 (Table 9.2-3; Figure 9.2-3). Live staking procedures will follow best practices (Darris 2006; Alaska Department of Fish and Game [ADFG] 2005) and site-specific recommendations, including:

- Target Species – Target native species suitable for staking include most willow species (Salix spp.), red-osier dogwood (Cornus sericea), and black twinberry (Lonicera 9-23nvolucrate), which readily form new roots from stems (adventitious roots) (USDA 2007; Darris 2002; Darris 2006; Hoag 2007). Other species have no or poor success. Species recorded within Mathews Creek 2022 field surveys suitable for staking are summarized in Table 9.2-3.
- Timing – Live stakes should be harvested when plants are dormant between late fall to early spring. Dormant plants/live stakes should have dormant buds that are fully closed (before bud break) and have not undergone spring bud swelling. Timing for harvest will depend on the regional climate, elevation, target species' phenology, but is generally September to March in BC (BC Ministry of Agriculture 2012):
    - For fall plantings, harvest early fall of the same year, after plants have gone dormant (> 50% of leaves of individual have dropped or changed colour; ADFG 2005).

  - For spring or early summer planting, harvest winter/early spring while plants are dormant before bud swell (preferably before March 31 as per ADFG [2005] recommendations).
- Stakes should be harvested from branches 2-4 cm in diameter and cut to 2-3 ft (0.5-1 m) lengths, with cuttings angled at the base and flat at the top (to maintain growing direction).
- Prior to planting, soak stakes in cold water for 24-48 h to increase rooting ability.
- If stakes are not planted immediately after harvest, ensure they are stored in a cool, dark place, and kept damp to maintain moisture. For longer storage (>2 days), such as required with winter collection for spring planting, stakes will be stored in cool (refrigerated) or frozen condition until planting (ADFG 2005).
  - If collection occurs while daytime temperatures remain below freezing (< 0°C), freeze at no colder than -18°C or refrigerate the cuttings.
  - If collection occurs while daytime temperatures are above freezing (> 0°C), cuttings should be refrigerated between 0-4°C and 60 to 70 percent humidity.
  - Moisture maintained by using snow (frozen stakes) or damp burlap (refrigerated stakes).
- Install live stakes perpendicular to soil surface (pointed [bottom] end down) at a depth where > 75% of the length of the live stake is buried with 2-4 lateral buds above soil (ADFG 2005; Darris 2006). Install by hand or using a rubber mallet, care taken to avoid splitting/breaking or damage to buds. In compacted soils, a pilot hole can be made prior to stake installation using rebar/tent stake and a mallet; however, site preparation and saturated wetland soils at Mathews Creek are anticipated to make installation easy. Fill in gaps around stake with soil to avoid air pockets.

9.2.3.3 Vegetation Buffer

A vegetation buffer will be created to limit the spatial dispersal of seeds from agronomic and other undesirable species preexisting in the nearby upland area of the ranch by creating a physical barrier protecting areas of active restoration at the Mathews Creek Ranch wetland complex. The buffer will be constructed along the east border of the first off-channel pond of Zone A and follow the edge of Zone B where agricultural infrastructure and invasive or undesirable species are present (Figure 9.2-3). The vegetation buffer will be constructed in consideration of the following:

- Located in an area that may effectively limit the spread of established agronomic or undesirable species into the Mathews Creek Ranch offsetting areas.
- Located in an area that does not interfere with any revegetation or restoration prescriptions for Pond 1.
- Planted at a minimum width of 10 metres and maintains a distance of 1 metre from surface water where the water table is present (MOF 1995).
- Planting or staking densities targeting 1 tree or shrub per square metre depending on saturation of soils (MOE 2008).
- Planted trees will be larger potted stock with a minimum height of 1.2 metres for faster establishment and be planted 1.5 to 2 metres apart (MOE 2008), if available.
- Planting will occur during the fall or spring to provide the greatest survival rate (MOE 2008).
- Buffer will increase habitat features for nesting and browsing for avian species and ungulates (MacKenzie and Moran 2004).

The results of the 2022 field surveys were used to determine suitable appropriate native shrub and tree species reflective of the surrounding vegetation communities associated with the wetland complex (EcoLogic 2022b). The vegetation buffer is intended to use shrub and tree species to effectively restrict species establishment resulting from wind dispersal of existing invasive or undesirable species in the adjacent upland areas. Table 9.2-4 provides a list of appropriate vegetation for transplanting or live staking.

Table 9.2-4: Mathews Creek Ranch Wetland Treed Buffer Plant List – Zone B – Hay Fields and Pastureland

General Location	Area (ha)	Vegetation Species Composition	
		Nursery Stock	Live Stake
Vegetation Buffer	0.24	*Picea glauca* *Picea mariana* *Pinus contorta* var. *Latifolia*	*Salix barclayi* *Salix pedicellaris* *Salix glauca* var. *Villosa*

Best practices for planting nursery stock and live stakes are provided above. This species list or delineation of the vegetation buffer may be field fitted to accommodate proximity to upland areas. Prior to planting and staking in this area, the spatial extents for this buffer will be delineated in the field, flagged, and mapped.

9.2.3.4 Invasive Species Management

As described in Section 9.2.2.2, invasive plant species exist at the Mathews Creek Ranch offsetting site. The existing Invasive Plant Management Plan (IPMP) describes methods of eradication, containment, and control that will be used to mitigate invasive plant spread throughout the Mine Site and is generally applicable to the Mathews Creek Ranch offsetting site. The objectives of this plan are to:

- Minimize the creation of habitat suitable for colonization by invasive plant species;
- Detect and manage invasive plants through effective inventory, control, and monitoring programs;
- Limit the introduction and spread of invasive plants through early detection; and
- Manage invasive plants through species-specific treatments, follow up monitoring and adaptive management.

All restoration activities proposed for the Mathews Creek Ranch offsetting site will commence following an invasive plant survey that identifies and flags work-free zones around invasive plant species present on site. Invasive plant surveys will include species, presence, location, and extent of invasive plants as per the Blackwater IPMP. Once identified, no materials, equipment, people, or otherwise, will be permitted within the work-free zones, unless to implement invasive plant controls and following approved procedures for reducing the likelihood for cross-contamination.

9.2.4 Zone C – Passive Restoration Area

Areas of the Mathews Creek wetland complex, west of the off-channel ponds, have been re-establishing wetland vegetation and hydrologic function since the cessation of agricultural practices. The return of beavers has resulted in a raised water table and some localized flooding. This has altered soil moisture regimes and hydrological function in the Mathews Creek Ranch wetland complex, and consequently, has promoted the return of native wetland vegetation in these areas.

A review of aerial imagery and confirmation field surveys identified a number of aquatic features in the western extent of the Mathews Creek Ranch wetland complex that are evidently man made. These features have likely contributed to a dewatering of the surrounding wetland and while the extent of this is not well understood, this agricultural practice is a well documented impact to wetland extent and function. Zone C is assumed to be fish bearing and therefore, will not be altered in any way to continue to support this habitat. The recovering wetland areas in this zone will not be disturbed through restoration prescriptions but will be isolated to allow the area to continue along its recovering ecological trajectory. Invasive plants in this zone will be actively controlled following the IPMP.

9.2.5 Restoration Field Survey

Prior to implementing restoration activities, additional field survey work will be conducted at the Mathews Creek Ranch offsetting site to collect information/data related to:

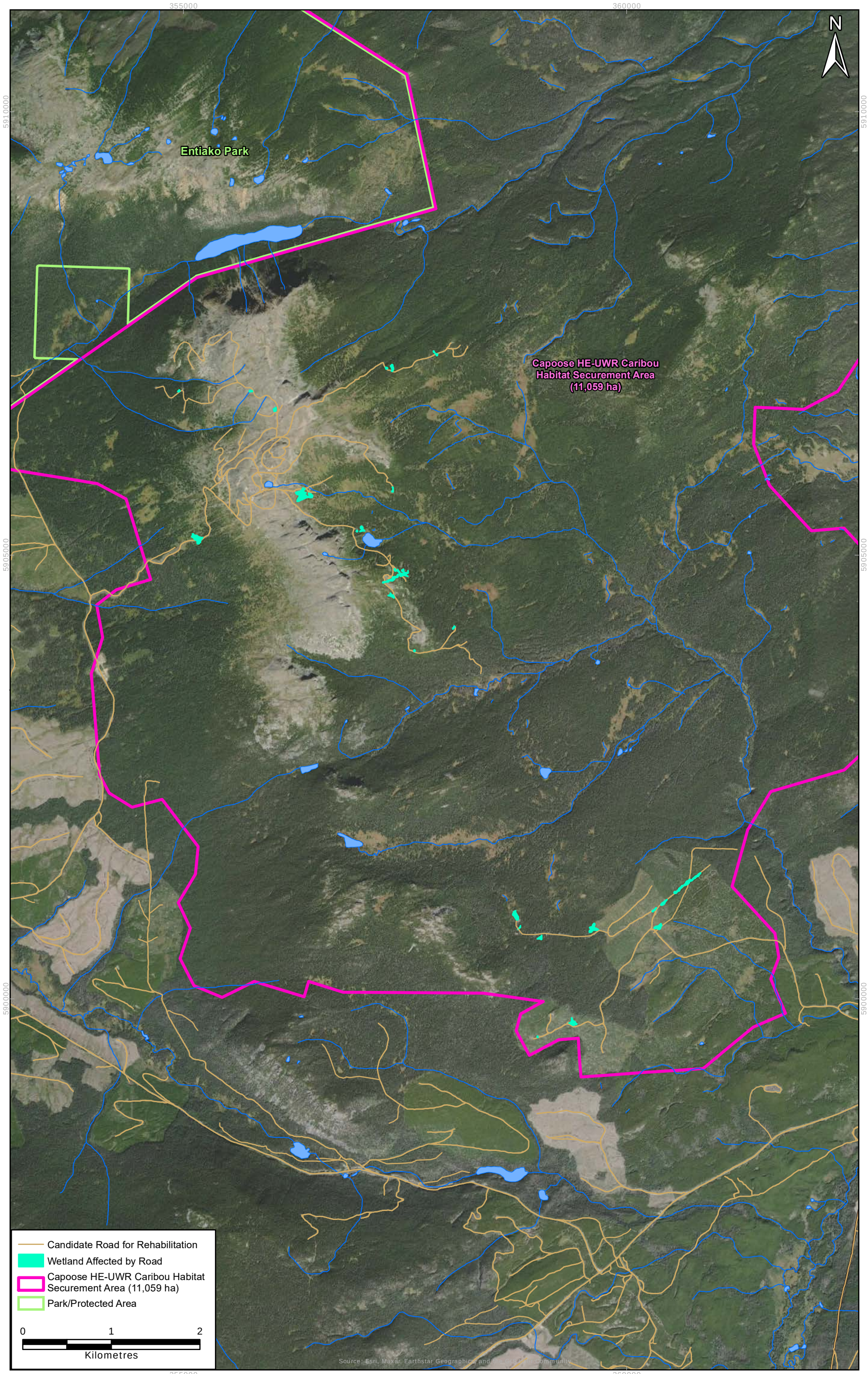
- Spatially identify and flag recovering areas that are to be isolated and undisturbed by restoration efforts;
- Identify the precise area(s) of soil compaction and persistent agronomic vegetation within the former agricultural areas;
- Refine and flag boundaries of proposed restoration work in Zone B;
- Refine and flag boundaries of proposed restoration work in the vegetation buffer;
- Identify and flag the presence and extent of invasive species;
- Identify potential seed borrow areas for collection of wetland species seed for spreading in restoration areas, as appropriate;
- Identify potential transplant plug salvage areas for transplanting in restoration areas;
- Identify off-site reference wetlands for restoration monitoring purposes.

The results of the restoration field survey will be summarized in a technical memorandum, and the data will be incorporated into the restoration activities planned for the Mathews Creek Ranch offsetting site, with emphasis on a design-build approach to restoration activities. This approach will allow use of additional site-specific data obtained in the field prior to restoration to guide activities in the field as restoration activities proceed.

9.3 Capoose Caribou Offsetting Site

A CMMP was developed to present mitigation and monitoring measures that will be implemented to avoid, reduce, and offset the Project's adverse effects on caribou and critical habitat. One of the objectives of the CMMP was securement of the approximately 11,000 ha Capoose offset area and reclamation of forestry roads within. The road rehabilitation activities will also restore wetland function to an estimated 6.3 ha of wetlands currently impacted by roads (Figure 9.3-1). Reclamation and restoration activities are not described in this WMOP as the focus of those activities is for caribou and caribou habitat; however, the area associated with these restoration activities will directly improve wetland ecosystems in the region and provide additional unofficial (i.e., non-credited) offsetting of the Project-impacted wetlands. These restoration sites have not yet been surveyed and therefore do not have the same level of detailed data available as Mathews Creek Ranch and Dykam Ranch at this time.

FIGURE 9.3-1 WETLANDS POTENTIALLY RESTORED BY ROAD REHABILITATION IN THE CAPOOSE HABITAT SECUREMENT AREA



ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-052

DATE: 02/23/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

Capoose offers opportunities to offset future effects of the Project on ungulate habitat, particularly southern mountain caribou (*Rangifer tarandus*). Capoose is a high elevation ungulate winter range with parkland vegetation, a limiting habitat type for mountain caribou.

Capoose is under imminent threat of degradation due to industry (i.e., by BW Gold within their existing claim blocks). With the conservation of Capoose, BW Gold has removed the imminent threat of habitat degradation and can offset some of the caribou high elevation range that will be lost or disturbed through construction of the Project.

9.4 Dykam Ranch Offsetting Site

The Dykam Ranch wetland complex was selected as an offsetting site because of the extremely high wetland values it provides in the region and the risk posed to it by agricultural and ranching activities. Dykam Ranch offers opportunities to offset future effects of the Project on ungulate habitat, especially for moose. The long-term conservation of this wetland complex will ensure that the ecosystem values are preserved for the life of the mine.

Dykam Ranch is located along Chedakuz Creek, northwest and downstream of Tatelkuz Lake. The Dykam Ranch contains a portion of an extensive wetland complex that is bisected by the Kluskus FSR. The Dykam Ranch portion of the wetland complex is located on the north side of the FSR and is generally intact and functional. The portion of the wetland complex located on the south side of the FSR has been cleared, drained, and is currently being used for agricultural practices. In addition, the riparian area around Chedakuz Creek has also been cleared.

The property was included in the wetland baseline work completed in 2022. The Dykam Ranch wetland complex was classified and mapped through visual assessment and will be surveyed more intensely in the future to inform accurate wetland offset accounting. The Dykam Ranch offsetting site, as with the Mathews Creek Ranch offsetting site, would include a combination of both fish and fish habitat compensation and wetland offsetting activities.

Enhancement of wetlands is second on the hierarchy of wetland offsetting options specified in Condition 5.4 of the DS for the Project. In addition, conservation is aligned with the Federal Policy on Wetland Conservation in that it supports improved environmental quality through planned, comprehensive protection of functioning wetlands (EC 1996), and, in the case of Dykam Ranch, preserves a threatened wetland complex that is currently associated with highly valuable habitat for species of concern such as moose and grizzly bear. Conservation and enhancement activities planned for the Dykam Ranch offsetting site will directly address the selection of potential offsets that would provide additional habitat for grizzly bear and moose as required by Condition 24(f) in EAC #M19-01.

Conservation of the wetland complex at Dykam Ranch is timely because the property, under grazing land use classification, is under threat from ranching and agricultural activities. The owner of Dykam Ranch, Doug Short, has indicated that neighboring property owners have approached him about selling the property so they can expand their ranching operations. Should Dykam Ranch be stocked by cattle, wetlands would be severely degraded, similar to the conditions observed at the Mathews Creek Ranch wetland complex prior to 2013. Further, the EAC and DS approved a transmission line routing which passes just north of the private land parcel containing the Dykam Ranch offsetting site. The transmission line routing, as approved, would pass through the northern portion of the wetland complex. BW Gold has actively avoided routing its transmission line in this location, but it remains that BC and Canada authorized the transmission line to pass through this wetland complex which demonstrates the ongoing threat to the complex from land use decisions.

Conservation and enhancement activities planned for Dykam Ranch will further contribute to the intention behind wetland offsetting through alignment with the BC Environmental Mitigation Policy (BC MOE 2014a and 2014b):

- Avoid impacts on environmental values and associated components – this is achieved through conservation;
- Minimize impacts on environmental values and associated components – this is achieved through both conservation and enhancement; and
- Restore on-site the environmental values and associated components that have been impacted – this is achieved through enhancement.

BW Gold acknowledges that the Federal Policy on Wetland Conservation Implementation Guide (EC 1996) states “compensation cannot be achieved through the protection of another wetland, rather involves the addition or improvement of wetland functions elsewhere”. With the planned enhancement activities for the Dykam Ranch offsetting site, BW Gold is of the view that this plan is in alignment with the Federal Policy. Furthermore, the planned conservation and enhancement activities contribute to the conservation of wetlands of significance to Canadians, and more importantly to local inhabitants. The Vanderhoof Land and Resource Management Plan (Government of BC 1997) indicates that Dykam Ranch is within the Chedakuz Resource Management Zone 16, in which they report:

> *That this area is home to large moose and deer populations, along with birds, small mammals, grizzly and black bears. The vegetation is an unusually diverse mixture of species and stand ages for the Nechako Plateau, situated along numerous creeks and swamps. The combination provides excellent ungulate habitat, and probably the best moose winter range in the Vanderhoof Forest District.*

Consequently, the Dykam Ranch wetlands provide critical winter range for moose and mule deer and serves as important habitat for grizzly and black bear. The area also contains a system of natural meadows that create a corridor of important wildlife habitat between the Blackwater River valley and the Knewstubb Reservoir.

The following is a brief summary of information related to conservation of this offsetting site by BW Gold and the current property owner:

- BW Gold have been working with a landowner near km 117 on the Kluskus-Ootsa FSR to evaluate additional fisheries and wetlands offsetting opportunities at this site adjacent to the Chedakuz Creek;
- Dykam Ranch was mapped from the air for wetland classification and extent along with multiple trips throughout the summer to evaluate the possibility for cattle exclusion fencing, installation of culverts for improved fish passage, and restoration of historical shoreline bank erosion;
- The landowner’s land package (PID’s DL 1849, 1851) includes a large wetland complex (approximately 620 acres [250 hectares]). Aerial surveys and ground observations identified a diverse mosaic of wetlands, including the following wetland classifications: Wf – Fen, Wb – bog, Ws – swamp (much more Ws04 than Ws07), Wm – marsh, and Ww – shallow water;
- The wetland complex is a prime candidate for conservation due to the threat of agricultural expansion for pastureland, something other ranches in the area are actively seeking due to shortages; and
- The area is in Zone 16 of the Vanderhoof Land and Resource Management Plan, a very high value wildlife habitat area.

The combination of the likely imminent disturbance by disruptive land use leading to loss of important habitat and the current presence of extremely valuable wildlife habitat associated with the diverse on-site

wetland complex/mosaic makes Dykam Ranch a prime candidate for conservation as part of the overall offsetting program for the Project. Additional information related to the proposed conservation and enhancement of Dykam Ranch is provided below.

The planned enhancement activities that would be coupled with the conservation of the offsetting site include:

- The installation and maintenance of cattle exclusion fencing to keep livestock out of the wetland area (note: this will be additive to the proposed fencing associated with fish habitat compensation works);
- Invasive plant monitoring and control along the disturbed margins of the wetland complex, including along the Kluskus FSR, fence lines, other locations as identified;
- Tree girdling to improve structural complexity and associated wildlife habitat;
- Additional site surveys to identify other enhancement opportunities; and
- Inclusion in the wetland monitoring program.

9.4.1 Land Tenure and Long-term Preservation

BW Gold, with the current owner of the Dykam Ranch, legally formalized a 99-year SROW and license agreement on the title of Dykam Ranch, which will result in conservation of approximately 250 ha of minimally disturbed wetlands. BW Gold believes a long-term SROW in combination with a license agreement is a viable alternative for wetland restoration offsetting measures and will help ensure that valuable wetland habitat at high risk of grazing and other disturbance is protected from land use with potential to cause degradation, damage, or destruction to wetlands.

The 99-year SROW duration for the Dykam Ranch offsetting site has been negotiated to correspond with the phases of the Project, namely 2-year Construction phase; 23-year Operations phase; 24 to 45-year Closure phase; and 46-year Post-closure phase. Based on this approach, the 99-year SROW at the Dykam Ranch offsetting site will extend beyond the mining operations and reclamation to the point of recovery of the Mine Site to more natural conditions.

The license agreement is an unregistered version of the SROW agreement. The license agreement provides BW Gold with a contractual right to access to the land for the purposes set out in the licensing agreement. The terms included in the license agreement are the same as the terms provided for in the SROW agreement. Therefore, BW Gold will have the same rights and obligations with respect to the land under both agreements. The license agreement is meant to supplement the SROW and provide additional land security, such that if there was any challenge to the SROW, the license agreement would provide the same rights and obligations as the SROW.

The license agreement, unlike the SROW, is not registered. Accordingly, if the landowner sells the property, then they must ensure that the purchaser agrees to assume all obligations under the license agreement. There is a provision in the license agreement whereby the landowner agrees that they will not sell, transfer, or dispose of the land unless the purchaser executes an agreement to be bound by the terms of the license agreement and perform the obligations thereunder.

9.5 Other Proposed Offsetting Sites

As detailed in Section 7.1.5, BW Gold in collaboration with LDN and UFN investigated additional candidate offsetting sites throughout the traditional territories of LDN and UFN (Appendix E). This included six potential sites investigated for fish habitat and/or wetland restoration opportunities.
A summary of potential restoration sites and their suitability in relation to the FAA and WMOP is shown in Table 9.5-1. Of all sites investigated, only one – Johnny Lake – was identified as having greater potential

for wetland restoration. Implementation and high-level estimates for the proposed restoration of these areas is provided in Appendix E.

Table 9.5-1: Summary of Potential Offsetting Sites

Site	FAA	WMOP	Sub Sites	Area of Potential Offsetting Opportunity
Creek 661	No riparian restoration potential	Wetlands not modified and fully functional	-	-
Laidman Lake	No riparian restoration potential	Wetlands not modified and fully functional	-	-
Johnny Lake	Large areas of riparian restoration potential along Fawnie Creek and Johnny Lake. Sites are technically and economically feasible.	Opportunities to improve wetland function, including hydrology, wildlife habitat, and vegetation structure	Fawnie Creek	Upland Forest: 9.6 ha Riparian Area: 1.0 ha
			Northeast Johnny Lake	Lower Slope: 67.8 ha Riparian Area: 23.8 ha Stream Gullies: 10.4 ha Old Fire Guard: 1.1 ha
			Upland Wetland Complex	Stream Gully: 6.7 ha Riparian Forest: 7.8 ha Upland Logged (full restoration): 12.4 ha Upland Logged (limited restoration): 30.8 ha Fen Area: 0.7 ha
Van Tine	No riparian restoration potential	Wetland complexes along Van Tine Creek functional, with suitable buffers to upland logging and replanted forests	-	-
Tatscha Lake	No riparian restoration potential	Adjacent wetlands appear to be functional and intact	-	-
Northern Sites	Limited riparian restoration and connectivity potential due to logging activities and roads.	Multiple small, undisturbed wetland areas due to road and logging; limited total restoration area	-	-

Notes: Adapted from Ecologic (2024).

A heavily disturbed and degraded riparian area was visited in the Jonny Lake and Fawnie Creek area, with historical wildfire impacts and evidence of a suspected drying trend, resulting in this site being identified as the best candidate restoration site. Potential restoration opportunities and techniques are discussed in Section 5 of Appendix E. Through consultation with LDN and UFN, initial support for this option has been provided. However, data collection has not commenced and as such, restoration

prescriptions are not yet developed. BW Gold will continue to work collaboratively with LDN and UFN to progress decision making on this potential additional offsetting site. BW Gold is committed to continued effort to investigate alternative offsetting sites if the need for additional offsetting sites is identified based on monitoring and adaptive management.

9.6 Implementation Schedule

The wetland restoration activities described for the Mathews Creek Ranch (Section 9.2) and Dykam Ranch (Section 9.4) offsetting sites will occur in concert with FAA offsetting works. Details regarding the implementation schedule for the other offsetting sites currently being evaluated (Section 9.3 and 9.5) will be added as details are finalized.

9.7 Wetland Offsetting Accounting

The objective of the Federal Policy on Wetland Conservation (Government of Canada 1991) is to promote the conservation of Canada's wetlands to sustain their ecological and socio-economic functions, now and into the future. Through this, the goal of no net loss of wetland function on all federal land and water is to be achieved. No net loss requires a minimum 1:1 offsetting ratio for wetland function (EC 2012). Without a specified offset ratio in the EAC or DS conditions, BW Gold targets at least 2:1 as recommended in Canada's Operational Framework for Use of Conservation Allowances (EC 2012). The offset ratio for restoration, enhancement, and conservation activities based on currently identified offset sites is 4.2:1 by area (472.29 ha gained for 113.71 ha lost), or 2.9:1 by wetland function (9,182 FA gained for 3,150 FA lost). The offsetting ratio will be updated throughout the life of the mine, based on the assessment of long-term monitoring data (e.g., if losses are greater than presented herein) or as new offsetting sites are identified (e.g., if gains are greater than presented herein).

Wetland offsetting ratios are expressed in units of wetland function (FA), rather than just area, in alignment with the Federal Policy on Wetland Conservation (Government of Canada 1991. To determine an inherent value of each offsetting action (e.g., restoration, enhancement, conservation), BW Gold considered the hierarchy of offsetting options (DS Condition 5.3). With the preference being wetland restoration, BW Gold assigned a 1:1 (100%) Qualifying Offset Ratio (Table 9.7-1) to the total amount of FA gained through restoration efforts. Enhancement, which occurs second in the hierarchy, was also assigned a 1:1 (100%) Qualifying Offset Ratio (Table 9.7-1). BW Gold believes that a 1:1 ratio for restoration/enhancement efforts is suitable when considering an appropriate ratio for the lower levels within the hierarchy of offsetting options (e.g., creation of wetlands).

Table 9.7-1: Wetlands Area and Functional Area Summary of Losses and Gains

Project Sites	Total Area Lost (ha)[4]	Total FA Lost[5]	Total Area Gained (ha)	Total FA Gained	Qualifying Offset	Total Adjusted FA Gained[6]
Project Area (Mine Site and associated linear features) – Year 23 Full Build-out	113.71	3,150				
Total Loss	113.71	3,150				
Restoration/Enhancement[7]						
Mathews Creek Ranch			0	924	1:1[1]	924
Dykam Ranch			0	794	1:1[1]	794
Total Gain Restoration/Enhancement			**0**			**1,718**

Project Sites	Total Area Lost (ha)[4]	Total FA Lost[5]	Total Area Gained (ha)	Total FA Gained	Qualifying Offset	Total Adjusted FA Gained[6]
Conservation[8]						
Mathews Creek Ranch			224.99	6,156	see below:	
■ 74 ha of wetland within 80 ha private land parcel			74.15	2,046	1:1[2]	2,046
■ 151 ha of wetland within 164 ha on Crown land			150.84	4,110	2:1[3]	2,055
Dykam Ranch			248	6,726	2:1[3]	3,363
Total Gain Conservation			**472.99**			**7,464**
Total Lost/Gained	**113.71**	**3,150**	**472.29**			**9,182**

Notes:

SOW = Shallow open water; FA = Functional Area

[1] 100% credit awarded for restoration/enhancement activities; restoration and enhancement are more certain than creation.

[2] 100% credit awarded for BW Gold owned property.

[3] 50% credit awarded for lands secured for conservation that are not privately held by BW Gold. This reflects the uncertainty associated with less rigid land ownership status.

[4] Area Lost (ha) is the area of direct overlap with infrastructure.

[5] Total FA Lost is the total loss in wetland function considering both direct loss (direct overlap) and indirect loss (wetlands with ≥50% overlap), as described in Section 7.4.1.1 and presented at the individual wetland level in Appendix F. Partial loss in function (degraded) for the moderate impact group are not currently included in FA loss calculations, as these will be assessed and quantified through a commitment to monitoring (Section 10).

[6] Total Adjusted FA Gained is calculated based on the certainty in gains, as presented in by the Qualifying Offset Ratio (i.e., 50% credit assigned to lower confidence [conservation on land not privately held by BW Gold]; 100% credit assigned to higher confidence [restoration/enhancement on any land; conservation on BW Gold owned land]).

[7] Gains associated with restoration/enhancement are based on assumed recovery of wetland function as a result of both passive and active restoration, as well as management to enhance functions, summarized in Section 7.4.2 and Tables 7.4-2 and 7.4-3.

[8] Gains associated with conservation are based on the current FA, as measured or estimated based on 2022 field surveys and summarized in in Section 7.4.2 and Tables 7.4-2 and 7.4-3, excluding areas of Ponds. Gains for Mathews Creek Ranch by land ownership class is based on the spatial intersection (ArcGIS; ESRI 2024) of wetlands with land parcel.

Additionally, where wetland conservation efforts are protected through land privately held by BW Gold, BW Gold also assigned a 1:1 (100%) Qualifying Offset Ratio (e.g., privately owned sections of the Mathews Creek Ranch). Where wetland conservation efforts occur on Crown land (e.g., Crown land portions of the Mathews Creek Ranch) or land that is not privately held by BW Gold but protected under an SROW (e.g., Dykam Ranch), BW Gold assigned a 2:1 (50%) Qualifying Offset Ratio. This difference in accounting is intended to address the uncertainty in the success of conversation efforts occurring on Crown, or otherwise less protected land, and assumes that there is some certainty associated with private land ownership in terms of offering long-term protection of wetland offsetting efforts.

As discussed in Section 7.4, wetland function associated with wetlands within the Project Area, the Mathews Creek Ranch offsetting site, and Dykam Rach offsetting site were quantified, so that wetland function losses associated with the Project Area and wetland function gains associated with the offsetting sites could be compared and contrasted (as summarized in Tables 7.4-1, 7.4-2, and 7.4-3). Using the

Qualifying Offset Ratios described above, the following adjusted gains and losses of wetland function for each site are:

- Project Area, including the Mine Site and associated linear features (e.g., Transmission Line): total FA lost is 3,150. This is the minimum value of FA that must be gained through offsetting efforts.
- Mathews Creek Ranch offsetting site: total FA gained through active and passive restoration is 924 (1:1 Qualifying Offset Ratio).
- Mathews Creek Ranch offsetting site: total FA gained through conservation of 224.99 ha is 4,101. This is broken down into the following subcategories based on the conservation status of the Mathews Creek Ranch offsetting site:
  - For the 74.15 ha of wetland (FA of 2,046) of the Mathews Creek Ranch offsetting site owned by BW Gold, consider the conservation at 100% (or 1:1 Qualifying Offset Ratio) for a final FA gained of 2,046; and
  - For the 150.84 ha of wetland (FA of 4,110) on Crown land, consider the conservation at 50% (or 2:1 Qualifying Offset Ratio) for a final FA gained of 2,055.
- Dykam Ranch offsetting site: total FA gained through restoration/enhancement is 797 (1:1 Qualifying Offset Ratio).
- Dykam Ranch offsetting site: total FA gained through conservation of 248 ha is 3,363 (2:1 Qualifying Offset Ratio).

Table 9.7-1 presents a summary of the calculated wetland FA gains for the Mathews Creek Ranch and Dykam Ranch offsetting sites compared to the FA losses at the Project Area, the proposed offsetting ratios, and adjustment factors applied to the offset FA to derive a final amount of FA used for wetland function offsetting accounting purposes. FA gains associated with the Capoose Caribou offsetting site are not currently included in wetland offset balance, since this nation-led restoration effort is still in the planning stage but is estimated to restore 6.3 ha of wetland habitat. Other potential offsetting sites identified (e.g., Johnny Lake) require further investigation to assess baseline condition and potential gains, and also are not currently included in the reported offset balance. The resulting offsetting ratio for all wetland gains and losses is approximately 2.9:1 by function (9,182 FA gained for 3,150 FA lost), and the ratio of the area restored, enhanced, and conserved to the area lost is approximately 4.2:1 (472.29 ha gained for 113.71 ha lost).

Wetland restoration and losses are iterative; not all wetlands will be lost as soon as the Project enters the Construction phase, and wetland restoration benefits have been incrementally increasing since 2013 at the Mathews Creek Ranch offsetting site through land conservation and passive restoration (Section 9.2; Table 7.4-2). To track wetland offsetting accounting over the life of the mine (particularly in the Construction and early Operation phases), a ledger has been developed to compare predicted versus actual (as-built) functional area lost during the associated stages of development (Table 9.7-2). This ledger estimates that approximately 40% of wetland losses within the Project Area will occur during the first five years of the Project (1,195 FA).

Wetland restoration began in 2013 with the removal of livestock and cessation of agricultural practices at the Mathews Creek Ranch offsetting site, which has been found to have improved the condition of the existing wetlands (i.e., passive recovery of wetland ecosystems). To date this has resulted in an estimated 453 FA units gained through passive restoration at the Mathews Creek Ranch offsetting site, representing a functional increase on the landscape over nine years (Table 7.2-2). This value is equal to the difference between FA measured in 2022 (current state; 6,156) and the assumed historical FA at time of purchase in 2013 (degraded state; 5,703).

However, an important aspect of this WMOP also is long-term conservation of wetlands. The BW Gold-owned land at the Mathews Creek Ranch offsetting site will provide an additional FA of 2,046 (Table 9.7-1), which when combined with restoration of the Mathews Creek Ranch and enhancement at Dykam Ranch offsetting sites, brings offsetting to more than 1:1. All other conservation initiatives to protect the Mathews Creek Ranch and Dykam Ranch offsetting sites for the long term bring the total offsetting ratio to 2.9:1 when adjusted based on certainty and considering a 2:1 Qualifying Offset Ratio for the lesser preference of conservation over restoration/enhancement (Table 9.7-1).

Table 9.7-2: Predicted and Actual (As-Built) Losses in Wetland Functional Area by Project Development Over Time

Project Component[1]	Wetland Class	Predicted Year -2	As-built Year -2 (2023)	Predicted Year -1	Predicted Year 01	Predicted Year 02	Predicted Year 03	Predicted Year 08	Predicted Year 13	Predicted Year 18	Predicted Year 23	Predicted Total FA Loss	As-Built Total FA Loss to Date (2023)
Fresh Water Supply System	Bog	0	0	0	0	0	0	9	0	0	0	9	0
	Fen	0	0	0	0	0	0	3	0	0	0	3	0
	Swamp	0	0	0	0	0	0	12	0	0	0	12	0
Mine Access Road	Bog	0	0	0	0	0	0	0	0	0	0	0	0
	Fen	1	0	0	0	0	0	0	0	0	0	1	0
	Swamp	14	0	4	0	0	0	0	0	0	0	14	0
Mine Site	Bog	34	75	44	31	122	9	220	87	25	24	598	75
	Fen	6	17	4	13	48	5	221	25	0	2	325	17
	Marsh	10	45	12	16	7	16	80	23	0	1	164	45
	SOW	18	7	0	2	0	0	11	21	32	3	88	7
	Swamp	337	626	113	238	8	17	881	206	36	29	1,866	626
Transmission Line (ROW Roads and Towers Only)	Bog	7	0	0	0	0	0	0	0	0	0	7	0
	Fen	12	0	0	0	0	0	0	0	0	0	12	0
	Marsh	1	0	0	0	0	0	0	0	0	0	1	0
	Swamp	46	0	0	0	0	0	0	0	0	0	50	0
FA Change:		**487**	**770**	**177**	**300**	**184**	**47**	**1,438**	**362**	**94**	**60**	**3,150**	**770**
Cumulative Loss:		**487**	**770**	**664**	**966**	**1,148**	**1,195**	**2,633**	**2,996**	**3,090**	**3,150**	**3,150**	**770**

Notes:

SOW = Shallow open water; FA = Functional Area

[1] Project Component for predicted losses assigned based on the intersecting feature within the Year 23 Full-Build Out Footprint. Where multiple project components overlap the same wetland polygon, feature attribution was assigned in order of priority as follows: Mine Access Road, Mine Site, Transmission Line. The Airstrip Access Road and Freshwater Supply Line did not have common overlaps.

10. MONITORING

A monitoring program will be implemented to assess the potential effects of the Project on wetlands remaining within, and adjacent to, the Project Area following construction, and the predicted effects of restoration on wetland function at offsetting sites (e.g., Mathews Creek). This follow-up effectiveness monitoring program will meet DS Condition 5.5, which requires verification of the predictions of the EA as it pertains to the adverse environmental effects of the Project on wetland functions, and to determine the effectiveness of the wetland mitigation measures. Monitoring will use select reference wetlands to represent natural conditions as benchmarks of functional values for comparison with wetlands affected by the Project. All wetland surveys, monitoring and associated data analysis and reporting will be conducted by or under the direction of a QP.

Wetland management is designed to prevent and minimize potential effects to wetland functions during all phases of the Project from baseline, through Construction and Operations, and after Closure. It provides useful information to assess wetland functions and determine effective management strategies to ensure the long-term success.

This section outlines the long-term monitoring plan for wetlands associated with the Project Area, the wetland complex at the Mathews Creek Ranch offsetting site, and reference wetlands. The comprehensive monitoring plan includes the development of specific criteria to identify changes in restored wetland function and community establishment, and if unfavorable changes are detected, applicable strategies to refine and improve the outcomes will be implemented by means of adaptive management.

10.1 Monitoring Objectives

The overall goal of the monitoring program is to ensure that wetland function lost as a result of Project construction is appropriately compensated for or offset by gains in wetland function associated with restored wetlands at the Mathews Creek Ranch offsetting site and/or the enhancement and conservation of wetlands/wetland function at the Dykam Ranch offsetting site or other future offsetting sites.

The objectives of the long-term monitoring plan for wetlands are to:

- Monitor the loss of wetland extent and function within the Project Area and compare against the predictions of the EA.
- Monitor for changes in area and function at the following areas using a common set of methods to allow for comparison:
  - Measure the loss of area and/or function for any wetlands remaining in or immediately adjacent to the Project Area.
  - Monitor the effectiveness of wetland offsetting by measuring the quantitative gain in wetland extent and/or function.
  - Monitor the natural changes in wetland extent and function in a series of reference wetlands distant from the Project Area and offsetting sites – due to climate change, changes in forest cover, etc.

Baseline data, coupled with monitoring results of losses and gains associated with the Project and offsetting sites, and reference wetlands, will facilitate a comprehensive understanding of the Project's effects on wetlands and the success and ecological trajectory of offsetting efforts.

The program is organized to follow a Before-After Control-Impact (BACI) design, with the groups listed in Table 10.1-1.

Table 10.1-1: BACI Design for Wetland Monitoring Program

	Before	After
Control	Reference area surveys pre-construction or during Construction phases	Reference area surveys during Operations and Closure phases
Impact	Mine area surveys 2022 Transmission line surveys 2017, 2022	Mine area and transmission line surveys during Construction, Operations, and Closure
Offset	Offset area surveys 2022	Offset area surveys following restoration

Wetland sites for long-term monitoring will be selected in collaboration with LDN and UFN, and will need to include:

- Wetlands within the Project Area where part of the wetland is identified as lost (i.e., overlaps/ intersects Project infrastructure);
- Wetlands adjacent to Project development;
- Wetlands within the Mathews Creek Ranch offsetting site where restoration activities are planned or have been implemented;
- Wetlands within the Dykam Ranch offsetting site where enhancement activities are planned or have been implemented; and
- Reference sites not affected by the Project.

Annual field visits (see Table 10.6-1) to these wetlands as part of this monitoring program will result in the collection of function data and will allow for the ongoing capture of functional changes to these wetlands throughout the life of the mine. The same functional data will be collected at all long-term monitoring wetland sites as was collected through the baseline studies; thus, building a comparable dataset that is intended to track changes to wetland function over time.

10.2 Monitoring to Compare Actual Effects with EA Predictions

The extent, location, and type (class and association) of wetlands impacted by the development of the Project will be recorded in a GIS database (previously termed a ledger) using pre-construction wetland polygons as a base layer overlain by as-built survey results and reviewed by a QP. This database, or ledger, will be updated annually to record all actual wetland losses. The updated baseline surveys and assessment conclusions provide accurate estimates of the area of impacted wetlands, so an accurate accounting of each affected wetland will help confirm EA predictions and confirm the overall requirements for offsetting presented in this document. Annual updates will be primarily desktop-based, using sub-metre GPS as-built footprints and the existing detailed wetland mapping for the Project Area. Any concerns that arise in the accounting database, or ledger, will be field confirmed and reconciled.

This assessment of direct loss (i.e., direct overlap with Project footprint), will be combined with plot-based monitoring to quantify indirect losses in wetland function within remaining wetland areas, to verify mitigation effectiveness and assumptions made on indirect impacts, enabling data-driven adaptive management. As described in Section 7.4.1, partial loss (degradation) of wetland function within the Moderate Impact group will be assessed through monitoring of remaining wetland areas. Combined desktop and field-based assessments of wetland loss will be used to assess actual total loss in wetland function including direct losses based on direct overlap of as-built footprints, as well as indirect losses due to surrounding project infrastructure.

10.3 Site Selection

10.3.1 Project Area Wetlands

To date, 19 wetlands of five different classes have been identified as part of the long-term monitoring of wetland function within and adjacent to the Project Area (Figure 5.1-1 in Appendix D). These wetlands have been surveyed and have had shallow groundwater wells and piezometers installed with continuous data loggers to seamlessly monitor hydrologic function as the landscape surrounding these wetlands change as a result of Project construction (Appendix R). These wetlands will form part of the long-term monitoring program for the Project Area.

As described in Section 7.4.1, wetlands with moderate overlap (≥10%; <50%) with infrastructure, in addition to wetlands identified as fragmented/isolated or neighbouring wetlands with high overlap (≥50%), are considered moderately impacted and predicted to have degraded function. These Moderate Impact wetlands will be added to the list of candidate long-term monitoring sites, wherein, partial loss (degradation) of wetland function within this moderate impact group will be assessed through monitoring and recalculation of wetland function (FS) within remaining wetland areas (i.e., areas outside direct overlap with Project infrastructure). Of the Moderate Impact wetlands, a subset targeting all applicable wetland classes, will be included in the long-term monitoring program. The monitoring data collected at these Moderate Impact wetlands will be used to adaptively manage effects (e.g., invasive plants) and update the wetland accounting and resultant offsetting ratio, as needed, further aiding in the comparison of actual effects with the EA predictions.

10.3.2 Offsetting Sites

At the Mathews Creek Ranch and Dykam Ranch offsetting sites, permanent monitoring plots will be located within and adjacent to the restoration or enhancement areas/activities. Wetland function pre- and post-restoration will be confirmed through monitoring, including more detailed pre-restoration monitoring to reassess baseline, and post-restoration monitoring to assess restoration success in recovering wetland function.

17 wetlands of five different classes have been identified as part of the long-term monitoring of wetland function at the Mathews Creek Ranch offsetting site (Figure 5.1-2 in Appendix D). These wetlands have been surveyed and have had shallow groundwater wells and piezometers installed with continuous data loggers to seamlessly monitor hydrologic function as the landscape surrounding these wetlands change as a result of restoration activities (Appendix R). These wetlands will form part of the long-term monitoring program for the Mathews Creek Ranch offsetting site.

10.3.3 Reference Wetlands

Reference wetlands are wetlands that display ecosystem characteristics that have not been directly influenced by human intervention and display a range of natural variability in their attributes, structure, function, and biodiversity (Pollock et al. 2012). Reference ecosystems are commonly used to assess ecosystem degradation, set restoration targets, and to evaluate the success of restoration efforts (Pollock et al. 2012). Comparing reference wetlands to restored or enhanced wetlands at the offsetting sites will confirm that offsetting efforts are resulting in the expected ecological trajectory, or if mitigation or management is needed (Pollock et al. 2012).

Reference wetlands will be selected for all relevant wetland types identified in the Project Area and the Mathews Creek Ranch offsetting site. The location and number of reference wetlands will be selected based on the wetland types and BEC zones representative of the lost wetlands within the Project Area and restored or enhanced wetlands at the offsetting sites. An initial desktop assessment will be performed

to identify potential reference wetlands for establishment following a confirmation field survey. The reference wetlands will be located outside of the Project Area and will not be impacted by any Construction, Operations, or Closure phase activities; however, BW Gold cannot ensure that reference wetlands will not be impacted by other natural or anthropogenic changes on the landscape.

These naturally occurring, reference wetlands will act as a comparison for altered, restored and/or enhanced wetlands associated with the Project to determine the trajectory of wetland function in wetlands within or adjacent the Project Area, and to measure the success of restoration and enhancement efforts at the offsetting sites. Reference wetlands will be surveyed and monitored following the same field procedures as identified in Section 10.4.2 when permanent monitoring plots are established and monitored annually (see Table 10.6-1). This information will be used to quantify BW Gold's mitigation, management, and offsetting efforts.

10.4 Monitoring of Loss and Gain in Wetland Area and Function

This section describes the monitoring tool that will be used to measure loss and gain of wetland area and function for the Project Area and offsetting sites. Methods will be common across areas to allow for accurate comparison between areas and through time. The areas to be monitored include (see Table 10.6-1):

- Wetlands remaining within or immediately adjacent to the Project Area;
- Wetlands within the Mathews Creek Ranch and Dykam Ranch offsetting sites; and
- Wetlands in reference areas.

Pre-disturbance survey data will serve as baseline wetland condition for all wetlands impacted by the construction of the Project, and of degraded wetlands at the offsetting sites. Reference wetlands will provide natural benchmarks against which the offsetting success and ecological trajectory of the restored and enhanced wetlands will be measured. Understanding the loss and gain of wetlands will also provide a direct measurement of habitat loss and gain for wetland-dependent and wetland-favouring wildlife species and terrestrial invertebrates.

All wetland surveys, monitoring and associated data analysis and reporting will be conducted or overseen by a QP and will be conducted with representatives from LDN and UFN, if available. All field work will follow best management practices, invasive species avoidance, and herpetofauna disease prevention protocols as detailed in the following subsections.

10.4.1 Methodology Guidance

Monitoring methods are adapted from a combination of recognized literature, best management practices, and industry protocols listed in Table 10.4-1. The various documented methods for assessing wetland function, condition and values have relative merits and as pointed out by Hanson et al. (2008), no single method is appropriate for all situations. However, monitoring programs will be similar and duplicative of previous work (i.e., baseline data collection; Appendix H) where applicable, to allow for appropriate comparison.

The wetland function rubric (see Appendix J) will continue to be used to evaluate wetland function gains and losses as part of the wetland monitoring process. The rubric evaluates wetland function and integrates wildlife performance standards by evaluating field parameters related to habitat and ecosystem function, including species of value, wildlife use, habitat for wildlife species at risk, ecosystem quality, and ecosystem connectivity.

Table 10.4-1: Methodology Guides

Guide	Description
Wetland Ecological Functions Assessment: An Overview of Approaches (Hanson et al. 2008)	Provides an informed, overall approach to the assessment of wetland functions, providing elements to be considered, information requirements in the context of an EA, an approach to effects assessment, a review of assessment methods, and pertinent information such as specific information requirements, functions according to wetland class, generic potential effects, and typical mitigations.
Field Supplement to Evaluating the Condition of Wetlands (Fletcher et al. 2022)	Wetland Protocol is a coarse-level filter for assessing the health of wetland. The form is intended to be completed mainly in the field, allow for consistency among users, gather pertinent data to inform the health of the wetland, and be cost effective as a tier 2 approach for monitoring.
Wetland Evaluation Guide. Final Report of the Wetlands are not Wastelands Project (Bond et al. 1992)	Provides a three-stage evaluation approach, providing steps to identify the benefits of a wetland and to establish their value to society and to compare their value to the value of the proposed alternatives: 1) General evaluation based on available information; 2) Requires a detailed inventory of wetland functions and benefits; and 3) Specialized analysis based on specific wetland and project values.
Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004)	Provides site classification and interpretative information for wetlands and related ecosystems. Site identification is based upon principles of BEC, modified for wetland ecosystems.

10.4.2 Field Methods

Permanent monitoring plots specific to long-term monitoring will be established to facilitate the collection of representative and comparable data between wetlands within the Project Area, offsetting sites, and reference sites. All site, soil, vegetation and wetland functional data will be recorded at each location on a customized wetland function form to ensure consistency of data across all sites, facilitate comparison of plot data across each of the study areas (i.e., Project Area, offsetting sites, reference sites), and ensure compatibility with the function rubric. Use of these standardized field forms will ensure data collected during monitoring will be comparable to baseline data. Appendix O provides a copy of the field form and additional monitoring-related information.

Georeferenced maps for use in the field will consist of Terrain Resource Information Management (TRIM), baseline, proposed and existing infrastructure and survey location layers over ortho-images. The maps will be loaded to GPS activated tablets and used for field information and navigation. Survey tracks and plots will be recorded on the maps. Paper maps and a handheld GPS unit will be available as in-field back-up. Photos will be taken of survey locations and at predetermined photo points. All notable observations (animals and/or habitat features) will be recorded with field notes outlining habitat characteristics. Observations of disturbances and changes will be documented at each location.

Monitoring will also follow best management practices for mitigating impacts. Surveys will follow preventative protocols against spreading chytrid fungus between wetlands, which causes a fatal infectious disease in amphibians. Protocols are described in the Wildlife Mitigation and Monitoring Plan, based on BC MOE (2008): *Standard Operating Procedures: Hygiene Protocols for Amphibian Fieldwork, 2008.*

Each of the following subsections will be developed into a detailed Standard Operating Procedure prior to the first annual survey.

10.4.2.1 Equipment Preparation

Prior to wetland field surveys and between each wetland survey site, all equipment and field clothing will be cleaned in accordance with *Standard Operating Procedures: Hygiene Protocols for Amphibian Fieldwork, 2008* (BC MOE 2008).

10.4.2.2 Plot Location

Permanent survey plots will be established in areas of uniform vegetation in large wetlands (>400 m^2) or at the center of wetlands smaller than 400 m^2. The edges of small wetlands are used as the survey plot boundary. The survey plot may include different levels of vegetation complexity and open water; however, each individual vegetation community within the wetland is described.

10.4.2.3 Site Properties

The project ID, names of survey personnel, plot number, survey date, GPS coordinates, elevation, photograph numbers, dominant vegetation, and permanence class will be recorded. The photograph numbers are the unique identification number used by a camera after a digital image is saved.
A minimum of eight photographs must be taken at every survey location. The first photograph is taken facing true north and then again by turning clockwise and taking a picture every 45°. Photographs of significant features such as soil, water, vegetation, and wildlife are also taken.

A clinometer and a compass adjusted to the appropriate declination are used to measure the slope and aspect of a survey location. An aspect of 0 and slope of -1 indicates level ground. Next, the meso-slope position is recorded. The meso-slope position is the position of the plot relative to the local catchment area as described in BC MOF and MOE (2010).

The hydrogeomorphic position, which describes the topographic position and hydrology of a site, is then recorded as described in MacKenzie and Moran (2004).

10.4.2.4 Soil Properties

No less than three soil test pits or holes will be established within a survey plot. The preferred method is to use an EDELMAN Dutch Auger. The soil test holes will be established to a minimum depth of 40 cm or where significant contact with lithic, parent material, an impermeable layer, or water is made. As the test hole is established, lengths of soil collected in the auger barrel will be pulled from the hole and arranged such that the profile of the soil can be examined.

Once the soil test holes have been established and the multiple cores have been examined, a representative core is selected for data collection. The following data will be collected in this order:

- The soil moisture regime (SMR), the Hydrodynamic Index (HDI), and the soil nutrient regime (SNR) are determined as described in MacKenzie and Moran (2004).
- The presence of mineral soil is determined by identifying indicators of mineralization such as gleying, mottling, oxidization, or mineral soil texture (silt, sand, or clay). The mineral soil drainage class is identified as described in BC MOF and MOE (2010).
- If mineral soils are present within the top 40 cm of the soil surface, then the mineral soil texture is determined using the soil texture triangle (BC MOF and MOE 2010).
- If organic soils are present (i.e., no mineral soil indicators within top 40 cm of soil surface), then the moisture sub-class of organic soils is identified, and the organic soil texture is recorded (BC MOF and MOE 2010).

- The depth of the surface organic layer is measured and recorded. Where the depth of the organic layer exceeds the test pit a plus sign (+) is used. For example, an organic soil depth of +120 cm indicates that 120 cm of organic soil was measured but the organic layer extends beyond that depth.
- The humus form is recorded (BC MOF and MOE 2010). The depth to the bottom of the rooting zone and the von post level of decomposition are measured and recorded (BC MOF and MOE 2010).

Finally, the soil description is completed by estimating the percentage of coarse fragments, measuring the depth of soil horizons (depth of organic layer, depth of mineral layer, depth to water, and rooting depth). A soil profile is drawn in the appropriate location on the field form and depth to all features is indicated.

10.4.2.5 Vegetation Survey

Vegetation species within the survey plot are identified and their seven-letter acronym is recorded in the appropriate section of the field form.

The percent cover of each individual species and species guilds (Tall Tree, Tree/Shrub, Forb, and Bryophyte) are estimated. A tall tree is a tree standing over 5 m. A tree/shrub is a tree less than 5 m tall or any multiple stemmed woody vegetation. A forb is any herbaceous plant including graminoids, *Equisetum*, and club-mosses. Bryophytes are mosses and lichens. The level of vegetation survey is indicated as complete or partial. A complete vegetation list is not essential; however, it is imperative that the dominant and sub-dominant vegetation (upland, emergent, submerged aquatic, and floating-leaved aquatic) be recorded.

10.4.2.6 Water Properties

Measurements and documentation of the optical and chemical characteristics of water within the wetland survey location are made. The field form includes space for data from up to three water features.

The colour of the water is described as: (1) Tea Coloured, (2) Yellow-Deep Brown Turbid, (3) Green-Brown Clear, (4) Green-brown Turbid, or (5) Blue-green Clear.

The pH and conductivity of open water are measured using a handheld sonde such as an Oakton Instruments pH Testr 10 and TDSTestr Low.

10.4.2.7 Wildlife Observations

Observations of wildlife or evidence of their use of a wetland will be recorded including the species and the feature(s) of use.

10.4.2.8 Functional Values

In addition to the wetland functional score that can be re-calculated through the wetland rubric using the above data, the following evidence will be recorded on the field form as observed:

- Hydrological – potential flood mitigation, groundwater discharge and recharge, erosion mitigation;
- Biochemical – nutrient sink and export, carbon sequestration, water quality;
- Ecological; and
- Habitat.

10.4.3 Re-evaluation of Wetland Function

Monitoring data (Section 10.4.2) will be used to calculate wetland FS for each monitored wetland using the wetland function rubric (Section 7.4; Appendix D; Appendix J). This will be used to assess change in

FS (and associated FA) at offsetting sites, Project Area, and reference wetlands. Monitoring change in FS over time will either represent decreased FS (degraded condition), as may be expected for indirect losses in wetland function in the Project Area, or increased FS (restored condition), as expected for offsetting sites. Changes in FS over time will be used to measure gains and losses in FA as follows:

- Indirect losses at remaining wetland areas – Remaining FA calculated as: New FS x Remaining Area (ha), where New FS is the updated wetland FS measured through monitoring and Remaining Area (ha) is the area outside direct overlap with the footprint. This will be used to reassess losses, particularly within the moderate impact group, calculated as: Baseline FA - Remaining FA. Additional details are described in Section 7.4.1.2. As described in Section 7.4.1 and Section 10.3.1, monitoring within the moderate impact group will assess partial loss (degradation) of wetland function due to indirect impacts on remaining wetland areas.
- Restoration gains at offsetting sites – Restored FA calculated as: New FS x Area (ha), where New FS is the updated wetland FS measured through monitoring and Area (ha) is the current area. Additional details are described in Section 7.4.2.1. This will be used to measure gains, calculated as: Restored FA – Baseline FA.

10.5 Quality Assurance/Quality Control Process and Standards

Field work will be conducted by or at the direction of a Qualified Professional knowledgeable in wetlands and wildlife habitat:

- Permanent sampling locations will ensure data is comparable over time;
- Recognized standard protocols and field forms will be used; and
- All data entry will be reviewed prior to analysis and reporting.

Data will be reviewed and saved accordingly for further analysis and reporting requirements. Survey photos, photos of field data forms, track and waypoint files will be uploaded to a Dropbox or file transfer protocol (FTP) site at the end of every day. All file naming conventions will be determined prior to data collection to ensure accuracy and efficiency for data entry and analysis.

10.6 Timing and Frequency

Monitoring activities will be completed in accordance with Table 10.6-1, with monitoring occurring annually and duration dependent on scope. Field sampling will be planned to avoid the spring and early summer (April to June) when amphibian eggs have not yet hatched and are at risk of disturbance. Field work will be completed in conjunction with other field programs where possible for efficiency (e.g., water quality and wildlife) and will be compared to appropriate reference sites provisioned under their respective plans.

Table 10.6-1: Wetland Monitoring Schedule

Scope	Frequency[1]	Timing	Start	Endpoint[1]
Monitoring within the Project Area	Annual, unless otherwise determined by a QP	July/August	Early Works	Decomissioning, unless otherwise determined by a QP
Monitoring at offsetting sites	Annual, unless otherwise determined by a QP	July/August	Commencement of restoration activities	Performance standards achieved (Section 10.8)

Scope	Frequency[1]	Timing	Start	Endpoint[1]
Monitoring of reference sites	Every five years	July/August	Commencement of restoration activities	Decomissioning, unless otherwise determined by a QP

[1] Monitoring results will be evaluated by a QP, and monitoring schedule may be updated based on the results of surveys in the future as part of adaptive management.

Note that the baseline studies completed in 2022 (Section 7) represent the first year of the monitoring program. Monitoring results will be evaluated by a QP, and the monitoring schedule may be updated based on the results of surveys in the future as part of adaptive management (Section 11).

10.7 Follow-up Program

Condition 5.5 of the DS requires a follow-up program be implemented to verify the predictions of the EA as it pertains to the adverse environmental effects of the Project on wetland functions and, along with EAC Condition 24(h), to determine the effectiveness of the mitigation measures as it pertain to wetlands. As part of the follow-up program, BW Gold shall:

5.5.1 Conduct pre-construction surveys within the Mine Site to confirm the absence of red or blue-listed wetlands. The Proponent shall provide the results of the survey to the Agency [IAAC] and to Indigenous groups prior to the start of construction. If the results of the survey demonstrate the presence of red or blue-listed wetlands within the Mine Site, BW Gold shall develop, prior to construction, and implement additional mitigation measures.

5.5.2 Monitor changes to wetland functions of wetlands located within the Mine Site and remaining after vegetation clearing required to construct project components during all phases of the Designated Project.

5.5.3 Monitor all compensatory wetland sites at a minimum annually, to ensure they meet or exceed performance standards for wetland functions established pursuant to condition 5.4 from the start of compensation until wetland functions are attained.

BW Gold has conducted wetland-specific pre-construction surveys (Section 7.2). Section 10.6 outlines the timing and frequency of annual effectiveness monitoring from early works construction through to Closure.

10.8 Performance Standards

Pursuant to DS Condition 5.4, wetland offsetting activities will be assessed and considered to be a success once the following performance standards are achieved, as communicated to BW Gold through consultation with Indigenous groups:

- Agricultural practices (crop production and grazing) have ceased within offset areas of the Mathews Creek Ranch wetland complex;
- Fencing is removed within offset areas of the Mathews Creek Ranch wetland complex;
- Hydrophytic wetland plant species are dominant plant species within the offsetting area;
- Non-native and invasive plant species populations are not increasing; and
- Offset losses of wetland functions caused by the Project, considering pre-construction wetland extent, as-built survey of the Project Area footprint, and offset area restoration and conservation.

11. EVALUATION AND ADAPTIVE MANAGEMENT

The WMOP will be updated to reflect changes in regulations, best management practices, and site conditions. Standards for analysing and evaluating results, ensuring effective implementation, and adaptive management are discussed in the following sections. Adaptive management thresholds and management responses are provided in Table 11-1.

Table 11-1: Trigger Action Response Plan for Wetlands

Monitoring Result	Management Response
No Effect ■ Loss of wetland extent/function beyond Plan predictions is <10% ■ High diversity of native species present (>80% of reference sites)	**No Action** ■ Continue monitoring program. ■ No change to mitigation measures.
Low level Unexpected monitoring results: ■ Wetland extent/function losses 10 to 20% more than predicted loss at the schedule in Table 9-6.2	**Low level action – Review and Identify** ■ Continue monitoring program(s). ■ Evaluate monitoring results to identify: - The cause of additional loss. - If additional monitoring or other actions required. ■ Identify potential new mitigation measure(s) if trends continue and discuss as recommendations in monitoring report and update the WMP as necessary. ■ Inform appropriate stakeholders, Indigenous Groups and regulators through regular reporting schedule. ■ No modification to Adaptive Management Plan.
Medium level Unexpected monitoring results: ■ Wetland extent/function losses 20% to 30% more than predicted loss at the schedule in Table 9.7-2 ■ Management Plan actions not implemented as expected	**Medium level action – Mitigations to Adjust Trend** ■ Continue monitoring program(s). ■ Evaluate monitoring results to identify: - If trend is related to Management Plan and activities. - The cause(s) of the unexpected monitoring results. Incident investigation or root cause analysis may be used to evaluate. ■ Inform appropriate Stakeholders, Indigenous groups and regulators through regular reporting schedule. ■ Identify mitigation measure(s): - Evaluate how measures may impact other aspects of the Adaptive Management Plan, regulatory requirements or stakeholder requirements. - Draft mitigation measures. ■ Implement new mitigation measures: - Update Adaptive Management Plan to include mitigation measures and any other changes included. ■ Monitor Changes: - Validate changes were implemented as planned. - If possible, identify any additional monitoring to evaluate the effectiveness of the implementation and effectiveness of any changes.

Monitoring Result	Management Response
High level Unexpected monitoring results: ■ Wetland extent/function losses more than 30% predicted loss at the schedule in Table 9.7-2	**High level action – Mitigations to Stop Trend** ■ Immediately notify appropriate stakeholders, Indigenous groups and regulators. ■ Investigate monitoring results to identify: - If trend is related to Management Plan and activities. - The cause(s) of the unexpected monitoring results. Incident investigation or root cause analysis may be used to evaluate. ■ Identify mitigation measure(s): - Evaluate how measures may impact other aspects of the Adaptive Management Plan, regulatory requirements or stakeholder requirements. - Draft mitigation measures. ■ Engagement: - Engage stakeholders, Indigenous groups and regulators to identify any modifications to mitigation measures. - Identify roles and responsibilities for managing the change(s). - Engage stakeholders as appropriate for the Management Response Action Level, and those who may be impacted by the change. - Engagement to identify any modifications to the change(s). - Approve changes prior to implementation. ■ Implement new mitigation measures: - Update Adaptive Management Plan to include mitigation measures and any other changes included. ■ Monitor Changes: - Validate changes were implemented as planned. - If possible, identify any additional monitoring to evaluate the effectiveness of the implementation and effectiveness of any changes.

11.1 Analysis and Evaluation

WMOP implementation, including monitoring surveys, analysis of results, and evaluation of effectiveness of the program, will be undertaken by or will be performed under the supervision of a QP, as described in DS Conditions 9.1 through 9.3 and EAC Condition 12.

11.1.1 Non-compliance and Corrective Action

The QP will be responsible for identifying non-compliance, as described in the DS Conditions 9.2 and 9.3 and EAC Condition 12 including:

- Advising BW Gold, relevant provincial and federal authorities, and Indigenous groups if, in their view, the activities do not comply with the conditions, and whether measures should be taken to correct these activities;
- Creating reports for occurrence(s) of non-compliance related to the implementation of conditions observed, including a description and photo evidence; and
- Submitting reports to relevant provincial and federal authorities and Indigenous groups (directly from the QP), within 48 hours of the observation of occurrence(s) of non-compliance.

12. DOCUMENTATION AND REPORTING

Mitigation and monitoring activities will be documented according to the standards described in Section 12.1. Annual and other reporting requirements are described in Section 12.2.

12.1 Documentation

All mitigation and monitoring activities relevant to the WMOP will be documented and records stored digitally.

Documentation relevant to the WMOP includes:

- Implementation of mitigation measures: dates, personnel, photos, and communications;
- Monitoring results: raw survey data and meta data (dates, times, personnel, photos), analyses, and
- Adaptive management actions and outcomes.

Records associated with the WMOP will be maintained in accordance with DS Condition 12 as follows:

- Condition 12.1 requires “The Proponent shall maintain all records relevant to the implementation of the conditions set out in this Decision Statement. The Proponent shall retain the records and make them available to the Agency throughout construction and operation and for 25 years following the end of decommissioning of the Designated Project. The Proponent shall provide the aforementioned records to the Agency upon demand within a timeframe specified by the Agency.”
- Condition 12.2 requires “The Proponent shall retain all records referred to in condition 12.1 at a facility in Canada and shall provide the address of the facility to the Agency. The Proponent shall notify the Agency at least 30 days prior to any change to the physical location of the facility where the records are retained, and shall provide to the Agency the address of the new location.”

12.2 Reporting

12.2.1 WMOP Annual Report

An annual report will be prepared. The WMOP annual report will:

- Summarize and present the results of the follow-up programs and monitoring of mitigation measures during the previous year;
- Include a table of concordance indicating where EAC and DS Conditions have been addressed;
- Be sent to the EAO and Aboriginal Groups by March 31 the year following the reporting year;
- Subsequently, be sent to ECCC and Indigenous groups for review and comment by June 30 of the year following the reporting year (DS 2.12); and
- Be delivered in its final version to the Agency by September 30 of the year following the reporting year (DS 2.13).

12.2.2 Decision Statement Annual Reporting and Information Sharing

DS Conditions 2.11, 2.12, and 2.13 set out annual reporting requirements related to the implementation of conditions in the DS. Condition 2.14 sets out information sharing requirements related to the annual reports. Reporting will commence when BW Gold begins to implement the conditions set out in the DS. Requirements in DS Conditions 2.11 – 2.14 are presented below.

DS Condition 2.11 requires:

> *"The Proponent [BW Gold] shall, commencing in the reporting year during which the Proponent begins the implementation of the conditions set out in this Decision Statement, prepare an annual report that sets out:*
>
> *2.11.1 the activities undertaken by the Proponent in the reporting year to comply with each of the conditions set out in this Decision Statement;*
>
> *2.11.2 how the Proponent complied with condition 2.1;*
>
> *2.11.3 for conditions set out in this Decision Statement for which consultation is a requirement, how the Proponent considered any views and information that the Proponent received during or as a result of the consultation, including a rationale for how the views have, or have not, been integrated;*
>
> *2.11.4 the information referred to in conditions 2.5 and 2.6 for each follow-up program;*
>
> *2.11.5 the results of the follow-up program requirements identified in conditions 3.14, 3.15, 3.16, 4.5, 5.5, 6.11, 6.12, 6.13, 6.14, 8.18.6, 8.20.5, 8.21, and 8.22 if required;*
>
> *2.11.6 any update made to any follow-up program in the reporting year;*
>
> *2.11.7 any modified or additional mitigation measures implemented or proposed to be implemented by the Proponent, as determined under condition 2.9 and rationale for why mitigation measures were selected pursuant to condition 2.5.4; and*
>
> *2.11.8 any change(s) to the Designated Project in the reporting year."*

DS Condition 2.12 requires:

> *"The Proponent [BW Gold] will provide the draft annual report to Indigenous groups, no later than June 30 following the reporting year to which the annual report applies. BW Gold will consult Indigenous groups on the content and findings in the draft annual report."*

DS Condition 2.13 requires:

> *"The Proponent [BW Gold], in consideration of any comments received from Indigenous groups pursuant to condition 2.12 shall revise and submit to the Agency [Impact Assessment Agency of Canada] and Indigenous groups a final annual report, including an executive summary in both official languages, no later than September 30 following the reporting year to which the annual report applies."*

DS Condition 2.14 requires:

> *"The Proponent [BW Gold] shall publish on the Internet, or any medium which is publicly available, the annual reports and the executive summaries referred to in conditions 2.11 and 2.13, the offsetting plan(s) referred to in condition 3.11, the compensation plan referred to in condition 8.18 and, if required, condition 5.3, the whitebark pine management plan referred to in condition 8.20, the communication plans referred to in conditions 6.15 and 10.5, the reports related to accidents and malfunctions referred to in conditions 10.4.2 and 10.4.3, the schedules referred to in conditions 11.1 and 11.2, and any update(s) or revision(s) to the above documents, upon submission of these documents to the parties referenced in the respective conditions. The Proponent shall keep these documents publicly available for 25 years following the end of decommissioning of the Designated Project. The Proponent shall notify the Agency and Indigenous groups of the availability of these documents within 48 hours of their publication."*

DS Condition 2.15 requires:

> *"When the development of any plan is a requirement of a condition set out in this Decision Statement, the Proponent [BW Gold] shall submit the plan to the Agency and to Indigenous groups prior to construction, unless otherwise required through the condition."*

DS Condition 6.15 requires:

> *"The Proponent shall develop, prior to construction and in consultation with Indigenous groups and relevant authorities, and implement, during all phases of the Designated Project, a plan to communicate the results of the follow-up program referred to in conditions 6.11, 6.12, 6.13 and 6.14 in plain language to Indigenous groups and relevant authorities. The communication plan shall include the procedures to communicate, including the frequency of communication."*

DS Conditions 5.1, 5.2, and 5.3 outline required mitigation measures to limit adverse effects on wetland function including appropriate buffers and required annual reporting for activities within established wetland buffers. Condition 5.4 sets out performance standards for wetland function for created wetlands. Condition 5.5 addresses consultation with Indigenous groups and other relevant authorities for a follow up program and effectiveness of the applied mitigation measures. Requirements in DS Conditions 5.1 – 5.5 are presented below.

DS Condition 5.1 requires:

> *"The Proponent shall mitigate the adverse environmental effects of the Designated Project on wetland functions with a preference for avoiding the loss of wetlands and wetland functions over minimizing the adverse effects on wetlands, and for minimizing the adverse effects on wetlands over compensating for lost or adversely affected wetlands, taking into account British Columbia's Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia, and Riparian Management Area Guidebook."*

DS Condition 5.2 requires:

> *"The Proponent shall maintain, during construction and operation, a 30-metre buffer of undisturbed vegetation around wetlands located within the mine site, excluding activities required to construct project components. The Proponent shall conduct work or activity within the 30-metre buffer only to the extent necessary for safety reasons, to control invasive plants, or to install and maintain erosion or sediment run-off control measures. The Proponent shall have an independent environmental monitor observe work being done within the buffer, except when not possible for safety reasons. As part of the annual report, the Proponent shall include a summary of work or activities conducted for safety reasons within the 30-metre buffer."*

DS Condition 5.3 requires:

> *"The Proponent shall, for adverse environmental effects from the Designated Project on wetlands that cannot be avoided or minimized pursuant to condition 5.1, set out mitigation measures in a wetland compensation plan. The Proponent shall develop the wetland compensation plan, prior to construction, in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, and taking into account Canada's Federal Policy on Wetland Conservation, Environment and Climate Change Canada's Operational Framework for Use of Conservation Allowances and habitat needs for migratory birds, moose (Alces alces) and listed species at risk. When identifying mitigation measures, the Proponent shall select wetland restoration over enhancement and*

wetland enhancement over wetland creation. The Proponent shall start the implementation of the wetland compensation plan prior to the wetlands being adversely affected."

DS Condition 5.4 requires:

"For any wetland creation required pursuant to condition 5.3, the Proponent shall establish, prior to wetland creation and in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, performance standards for wetland functions."

DS Condition 5.5 requires:

"The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, a follow-up program to verify the predictions of the environmental assessment as it pertains to the adverse environmental effects of the Designated Project on wetland functions and to determine the effectiveness of the mitigation measures as it pertain to wetlands. The Proponent shall implement the follow-up program during from construction through decommissioning and shall apply Page 15 of 26 conditions 2.9 and 2.10 when implementing the follow-up program. As part of the follow-up program, the Proponent shall:

5.5.1 conduct pre-construction surveys within the mine site to confirm the absence of red or blue-listed wetlands. The Proponent shall provide the results of the survey to the Agency and to Indigenous groups prior to the start of construction. If the results of the survey demonstrate the presence of red or blue-listed wetlands within the mine site, the Proponent shall develop, prior to construction, and implement additional mitigation measures;

5.5.2 monitor changes to wetland functions of wetlands located within the mine site and remaining after vegetation clearing required to construct project components during all phases of the Designated Project; and

5.5.3 monitor all compensatory wetland sites at a minimum annually, to ensure they meet or exceed performance standards for wetland functions established pursuant to condition 5.4 from the start of compensation until wetland functions are attained."

12.2.3 Environmental Assessment Certificate Reporting

Condition 5 of the EAC sets out the compliance self-reporting requirements. BW Gold must submit a report to the EAO and Aboriginal Groups on the status of compliance with EAC #M19-01 at the following times:

a. at least 30 days prior to the start of Construction;
b. on or before March 31 in each year after the start of Construction;
c. at least 30 days prior to the start of Operations;
d. on or before March 31 in each year after the start of Operations;
e. at least 30 days prior to the start of Closure;
f. on or before March 31 in each year after the start of Closure until the end of Closure;
g. at least 30 days prior to the start of Post-closure; and
h. on or before March 31 in each year after the start of Post-closure until the end of Post-closure.

BW Gold will submit reports to EAO and Aboriginal Groups within the timelines specified in Condition 5.

13. PLAN REVISION

The WMOP will be revised to include changes in mitigation or monitoring methods and implementation. Revisions will occur as needed, due to a significant change in Project description or in response to scientific advancement.

13.1 Notification and Consultation Required upon Plan Revision

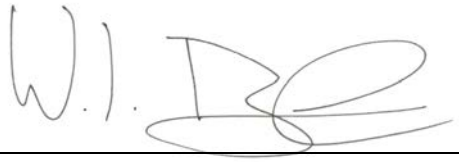
Annual reviews of the WMOP will be done by a QP through the annual reporting process described in Section 12.2. Recommendations from the QP on changes to the WMOP will be included in this report, while comments made by Aboriginal Groups, Indigenous Nations, and regulators will be received following submission. Any comments received will be responded to by BW Gold in writing.

Updates to the WMOP will occur as needed, in consideration of QP recommendations, comments from Aboriginal Groups, Indigenous Nations, and regulators. As required, these updates will be made by a QP.

Changes will be documented via a change log document that describes the rationale for any changes. This document will be provided at the same time as submission of the revised WMOP, unless otherwise communicated. Following submission, the revised WMOP will be uploaded to the public website per EAC #M19-01 Condition 42 and DS Condition 2.14.

14. QUALIFIED PROFESSIONALS

This management plan has been prepared and reviewed by, or under the direct supervision of, the following Qualified Professional:

Prepared by:	Reviewed by:
	
Jessica Lowey, M.Sc., P.Ag. Ecologist and Soil Scientist, ERM	Wade Brunham, M.Sc., PWS, R.P.Bio. Partner, ERM

15. REFERENCES

Definitions of the acronyms and abbreviations used in this reference list can be found in the Acronyms and Abbreviations section.

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APPENDIX A EAO LETTERS

File: 30200-25/BGOL-05-06

Reference: 397173

February 14, 2022

SENT VIA EMAIL

Ryan Todd
Vice President Environment and Social Responsibility
Artemis Gold Inc.
Suite 3083 - 595 Burrard Street
Vancouver BC V7X 1L3
rtodd@artemisgoldinc.com

Dear Ryan Todd:

The Environmental Assessment Office (EAO) received the revised draft Wetlands Management and Offsetting Plan (WMOP) submitted December 16, 2022, by BW Gold Ltd. (BW Gold), pursuant to Conditions 24 in the Environmental Assessment Certificate #M19-01 (EAC) for the Blackwater Gold Project.

The EAO reviewed the revised draft WMOP against the requirements of the EAC conditions, as well as subsequent direction from the EAO issued on September 22, 2022. The EAO also considered BW Gold's consultation with required parties and responses to comments provided on the draft management plans.

This letter is to inform you that I am approving the draft WMOP, with the following additional direction:

1. Engage in consultation with Lhoosk'uz Dené Nation and Ulkatcho First Nation to continue to evaluate Dykam Ranch as an offsetting option and consider other wetland initiatives as alternatives to fulfill the offsetting objectives of the plan.
2. Update the plan to make it more concise and ensure it contains the necessary prescriptions and steps for implementation and to facilitate enforcement.

Please revise the draft WMOP in consultation with Lhoosk'uz Dené Nation and Ulkatcho First Nation and the Ministry of Water, Land, and Resource Stewardship and

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resubmit to the EAO within one year of receipt of this letter, unless otherwise authorized by the EAO. As part of revising the WMOP, please respond to comments provided by all parties, including consideration of restoration methodologies at the Matthews Creek Ranch.

The EAO recognizes that all management plans require review at specified intervals and may be updated to address changing conditions or newly identified issues, in accordance with the Document Review and Implementation Condition (Condition 1) and the Plan Development Condition (Condition 2). Beyond specific direction and timelines in this letter, please ensure that the relevant agencies and Aboriginal groups are engaged when any substantive updates are being undertaken, and that updated plans are provided to all parties for review prior to submission to the EAO.

Lastly, I remind you that it is the responsibility of BW Gold as a Certificate Holder of an EAC to maintain compliance with the requirements of the EAC.

If you have any questions or require other information, please contact me at 236 478-0633 or Tracey.Janes@gov.bc.ca.

Yours truly,

Tracey Janes
Project Assessment Director

cc: Travis Desormeaux
Environmental Manager, EP
Blackwater Gold Limited
tdesormeaux@artemisgoldinc.com

David Grace
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Compliance & Enforcement Branch
Environmental Assessment Office
eao.compliance@gov.bc.ca

File: 30020-25/BGOL-18

Reference: 392773

September 22, 2022

SENT VIA EMAIL

Ryan Todd
Vice President Environment and Social Responsibility
Artemis Gold Inc.
Suite 3083 - 595 Burrard Street
Vancouver BC V7X 1L3
rtodd@artemisgoldinc.com

Dear Ryan Todd:

The Environmental Assessment Office (EAO) received the following revised draft management plan, submitted in March 2022, by BW Gold Ltd. (BW Gold), pursuant to conditions in the Environmental Assessment Certificate #M19-01 (EAC) for the Blackwater Gold Project:

- Wetland Management and Offsetting Plan (Condition 24)

The EAO conducted a review of the revised Wetland Management and Offsetting Plan (WMOP) against the requirements of Condition 24, and other applicable conditions. As well, the EAO offered an opportunity for parties required for consultation to provide comment on the development and substance of the draft WMOP.

This letter is to advise BW Gold that pursuant to Condition 1 a) (Document Review and Implementation) in Schedule B of the EAC (Table of Conditions), BW Gold may proceed to implement the draft Wetland Management and Offsetting Plan, in accordance with the WMOP (including construction disturbance limited to plant site early works presented in Appendix G).

At this time, the draft WMOP is not approved, and changes are required to fully meet the requirements of Condition 24. Pursuant to Condition 1 b), please revise and resubmit the draft WMOP to the EAO for approval, in consultation with parties listed for

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Condition 24, within 90 days following the start of Construction, unless otherwise authorized by the EAO.

The EAO recognizes that all management plans may be updated to address changing conditions or newly identified issues, in accordance with Condition 1 and the Plan Development Condition (Condition 2). Beyond specific direction and timelines in this letter, please ensure that the relevant agencies and Aboriginal groups are engaged when any substantive updates are being undertaken, and that all parties are provided updated plans for review prior to submission to the EAO.

Lastly, I remind you that it is the responsibility of a Holder of an EAC to maintain compliance with the requirements of the EAC.

If you have any questions or require other information, please contact me at (236) 478-0633 or Tracey.Janes@gov.bc.ca.

Yours truly,

Tracey Janes
Project Assessment Director

cc: Tracy James, Executive Project Director
Environmental Assessment Office
Tracy.James@gov.bc.ca

Compliance & Enforcement Branch
Environmental Assessment Office
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APPENDIX B CONCORDANCE WITH ENVIRONMENTAL ASSESSMENT CERTIFICATE #M19-01 (JUNE 21, 2019)

Appendix B: Concordance with Environmental Assessment Certificate #M19-01 (June 21, 2019)

Table B-1: Environmental Assessment Certificate #M19-01 Conditions and Location in the Wetlands Management and Offsetting Plan

Condition	Requirement	Location in Plan
Condition 2 (Plan Development)	Where a condition of this Certificate requires the Holder to develop a plan, program or other document, any such plan, program or other document must, at a minimum, include the following information: a. purpose and objectives of the plan, program or other document;	Section 2
	b. roles and responsibilities of the Holder and Employees;	Section 3 Table 3-1
	c. names and, if applicable, professional certifications and professional stamps/seals, of those responsible for the preparation of the plan, program, or other document;	Section 14
	d. schedule for implementing the plan, program or other document throughout the relevant Project phases;	Section 10.6
	e. means by which the effectiveness of the mitigation measures will be evaluated including the schedule for evaluating effectiveness;	Section 10
	f. schedules and methods for the submission of reporting to specific agencies, Aboriginal Groups and the public and the required form and content of those reports; and process and timing for updating and revising the plan, program or other document, including any consultation with agencies and Aboriginal Groups that would occur in connection with such updates and revisions.	Section 11 Section 12
Condition 3 (Adaptive Management)	Where a condition of this Certificate requires the Holder to develop a plan, program or other document that includes monitoring, including monitoring of mitigation measures or monitoring to determine the effectiveness of the mitigation measures, the Holder must include adaptive management in that plan. The objective of the adaptive management is to address the circumstances that will require the Holder to implement alternate or additional mitigation measures to address effects of the Project if the monitoring shows that those effects: a. are not mitigated to the extent contemplated in the Application; b. are not predicted in the Application; or c. have exceeded the triggers identified in paragraph g) of this condition.	Section 11
	The adaptive management in the plan must include at least the following: d. the monitoring program that will be used including methods, location, frequency, timing and duration of the monitoring;	Section 10

Condition	Requirement	Location in Plan
Condition 3 (Adaptive Management) *(cont'd)*	e. the baseline information that will be used, or collected where existing baseline information is insufficient, to support the monitoring program;	Section 7 Section 10.2
	f. the scope, content and frequency of reporting of the monitoring results;	Section 12
	g. the identification of qualitative and quantitative triggers, which, when observed through monitoring required under paragraph d), will require the Holder to alter existing, or develop new, mitigation measures to avoid, reduce, and/or remediate effects;	Section 8
	h. the methods that will be applied to detect when a numeric trigger, or type or level of change referred to in paragraph g), has occurred;	Section 11.1
	i. a description of the process for and timing to alter existing mitigation measures or develop new mitigation measures to reduce or avoid effects;	Section 8 Section 10
	j. identification of the new and/or altered mitigation measures that will be applied when any of the changes identified in paragraphs a) to c) occur, or the process by which those will be established and updated over the relevant timeframe for the specific condition;	N/A
	k. the monitoring program that will be used to determine if the altered or new mitigation measures and/or remediation activities are effectively mitigating or remediating the effects and or avoiding potential effects; and	Section 10
	l. the scope, content and frequency of reporting on the implementation of altered or new mitigation measures. If there are any requirements or mitigation measures required in the plan, program or other document for which adaptive management, or elements of adaptive management listed in paragraphs d) to l) are assessed to be not appropriate or applicable, the plan must include identification of those requirements and measures, and the rationale for that assessment.	Section 11
Condition 4 (Consultation)	Where a condition of this Certificate requires the Holder consult a particular party or parties regarding the content of a plan, program or other document, the Holder must, to the satisfaction of the EAO: a. provide written notice to each such party that: i. includes a copy of the plan, program or other document; ii. invites the party to provide its views on the content of such plan, program or other document; and iii. indicates: i. if a timeframe for providing such views to the Holder is specified in the relevant condition of this Certificate, that the party may provide such views to the Holder within such time frame; or ii. if a timeframe for providing such views to the Holder is not specified in the relevant condition of this Certificate, specifies a reasonable period during which the party may submit such views to the Holder;	Section 9.1

Condition	Requirement	Location in Plan
Condition 4 (Consultation) *(cont'd)*	b. undertake a full and impartial consideration of any views and other information provided by a party in accordance with the timelines specified in a notice given pursuant to paragraph (a); c. provide a written explanation to each such party that provided comments in accordance with a notice given pursuant to paragraph (a) as to: i) how the views and information provided by such party to the Holder have been considered and addressed in a revised version of the plan, program or other document; or ii) why such views and information have not been addressed in a revised version of the plan, program or other document; d. maintain a record of consultation with each such party regarding the plan, program or other document; and e. provide a copy of such consultation record to the EAO, the relevant party, or both, promptly upon the written request of the EAO or such party. The copy of such consultation record must be provided to the EAO, relevant party, or both, no later than 15 days after the Holder receives the request for a copy of the consultation record, unless otherwise authorized by the EAO.	
Condition 24 (WMOP)	The Holder must retain one or more Qualified Professionals to develop a WMOP, to offset losses of wetland functions caused by the Project, in consultation with FLNRORD, ENV, ECCC, EMPR and Aboriginal Groups. In this Condition, "wetland function" refers to the hydrological, ecological and wildlife lifecycle requirements provided by wetlands. The plan must include at least the following: a. the means by which the mitigation measures identified in the in the Mitigations Table required under Condition 43 for the valued component Wetlands will be implemented;	Section 8 Appendix P
	b. a detailed description for each wetland that would be lost or altered as a result of the Project, including: i. an assessment of each wetland and wetland function that would be lost or altered based on Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004, or as updated or replaced from time to time); and ii. the location and extent of these wetlands, including in relation to the local watershed;	Section 7.2
	c. a description of the methods used to determine the functions and overall condition of wetlands;	Section 7.1 Section 7.4
	d. a description of the offsetting measures to be implemented by the Holder, including the amount and type of offsets required, the selection of offsetting sites, and a schedule and timeline for implementation of offsetting measures. The Holder is responsible for offsetting measures that compensate for expected losses of individual wetland functions described in (b);	Section 9 Section 10.6
	e. a description of how the plan applies the hierarchy of mitigation measures set out in the BC EMP;	Section 8, Appendix P (Table P-1, Table P-2)

Condition	Requirement	Location in Plan
Condition 24 (WMOP) *(cont'd)*	f. a description of how the selection of offsets took into account the extent to which the potential offsets would also provide additional habitat for grizzly bear and moose;	Section 9
	g. a description of how input from Aboriginal Groups was considered in the identification and selection of potential locations for wetland offsets; and	Section 9.1
	h. a description of how the implementation of the offsets and mitigation measures will be monitored for effectiveness.	Section 10
	The Holder must provide the draft plan that was developed in consultation with EMPR, ENV, FLNRORD, ECCC, and Aboriginal Groups to EMPR, ENV, FLNRORD, ECCC, Aboriginal Groups, and the EAO for review a minimum of 90 days prior to the planned commencement of Construction or as listed in the Document Submission Plan required by Condition 10 of this Certificate.	Noted
	The Holder must not commence Construction until the plan has been approved by the EAO, unless otherwise authorized by the EAO.	Noted

APPENDIX C CONCORDANCE WITH CANADIAN ENVIRONMENTAL ASSESSMENT AGENCY DECISION STATEMENT (APRIL 15, 2019)

Appendix C: Concordance with Canadian Environmental Assessment Agency Decision Statement

Table C-1: Federal Environmental Assessment Decision Statement Conditions and Location in the Wetland Management and Offsetting Plan

Condition	Requirement	Location in Plan
Condition 2.1 (General Conditions)	The Proponent shall ensure that its actions in meeting the conditions set out in this Decision Statement during all phases of the Designated Project are considered in a careful and precautionary manner, promote sustainable development, are informed by the best information and knowledge available at the time the Proponent takes action (including community and Indigenous traditional knowledge), are based on methods and models that are recognized by standard-setting bodies, are undertaken by qualified individuals, and have applied the best available economically and technically feasible technologies.	Noted
Condition 2.2 (General Conditions)	The Proponent shall, when mitigation is a requirement of a condition set out in this Decision Statement, give preference to avoiding the adverse environmental effect of the Designated Project over minimizing the adverse environmental effect of the Designated Project. If unable to avoid the adverse environmental effect, the Proponent shall give preference to minimizing the adverse environmental effect of the Designated Project overcompensating for the adverse environmental effect of the Designated Project. If unable to minimize the adverse environmental effect, the Proponent shall compensate for the adverse environmental effect of the Designated Project.	Section 8 Appendix P (Table P-1)
Condition 2.3 (General Conditions)	The Proponent shall, where consultation is a requirement of a condition set out in this Decision Statement: ■ 2.3.1 provide a written notice of the opportunity for the party or parties being consulted to present their views and information on the subject of the consultation; ■ 2.3.2 provide all information available and relevant on the scope and the subject matter of the consultation and a period of time agreed upon with the party or parties being consulted, not less than 15 days, to prepare their views and information; ■ 2.3.3 undertake a full and impartial consideration of all views and information presented by the party or parties being consulted on the subject matter of the consultation; ■ 2.3.4 strive to reach consensus with Indigenous groups; and ■ 2.3.5 advise the party or parties being consulted on how the views and information received have been considered by the Proponent including a rationale for why the views have, or have not, been integrated. The Proponent shall advise the party or parties in a time period that does not exceed the period of time taken in 2.3.2.	Noted

Condition	Requirement	Location in Plan
Condition 2.4 (Consultation)	The Proponent shall, where consultation with Indigenous groups is a requirement of a condition set out in this Decision Statement, determine and strive to reach consensus with each Indigenous group regarding the manner by which to satisfy the consultation requirements referred to in condition 2.3, including: ■ 2.4.1 the methods of notification; ■ 2.4.2 the type of information and the period of time to be provided when seeking input; ■ 2.4.3 the process to be used by the Proponent to undertake impartial consideration of all views and information presented on the subject of the consultation; and ■ 2.4.4. the period of time and the means by which to advise Indigenous groups of how their views and information were considered by the Proponent.	Noted
Condition 2.5 (Follow-up and Adaptive Management)	The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement, have a Qualified Professional, where such a qualification exists for the subject matter of the follow-up program, determine, as part of the development of each follow-up program and in consultation with the party or parties being consulted during the development, the following information: ■ 2.5.1 the follow-up activities that must be undertaken by a qualified individual; ■ 2.5.2 the methodology, location, frequency, timing and duration of monitoring associated with the follow-up program; ■ 2.5.3 the scope, content, format and frequency of reporting of the results of the follow-up program; ■ 2.5.4 the levels of environmental change relative to baseline conditions that would require the Proponent to implement modified or additional mitigation measure(s), including instances where the Proponent may require Designated Project activities to be stopped; and ■ 2.5.5 the technically and economically feasible mitigation measures to be implemented by the Proponent if monitoring conducted as part of the follow-up program shows that the levels of environmental change referred to in condition 2.5.4 have been reached or exceeded.	Section 10.7
Condition 2.6 (Follow-up and Adaptive Management)	The Proponent shall update and maintain the follow-up and adaptive management information referred to in condition 2.5 during the implementation of each follow-up program in consultation with the party or parties being consulted during the development of each follow-up program.	Section 11 Section 12
Condition 2.7 (Follow-up and Adaptive Management)	The Proponent shall provide a draft of the follow-up programs referred to in conditions 3.14, 3.15, 3.16, 4.5, 5.5, 6.11, 6.12, 6.13, 6.14, 8.18.6, 8.20.5, 8.21, and 8.22, if required, to the party or parties being consulted during the development of each follow-up program for a consultation period of up to 60 days prior to providing follow-up programs pursuant to condition 2.8.	BW Gold will provide the WMOP to Indigenous groups

Condition	Requirement	Location in Plan
Condition 2.8 (Follow-up and Adaptive Management)	The Proponent shall provide the follow-up programs referred to in conditions 3.14, 3.15, 3.16, 4.5, 5.5, 6.11, 6.12, 6.13, 6.14, 8.18.6, 8.20.5, 8.21, and 8.22, if required, to the Agency and to the party or parties being consulted during the development of each follow-up program prior to the implementation of each follow-up program. The Proponent shall also provide any update(s) made pursuant to condition 2.6 to the Agency and to the party or parties being consulted during the development of each follow-up program within 30 days of the follow-up program being updated.	Section 12
Condition 2.9 (Follow-up and Adaptive Management)	The Proponent shall, where a follow-up program is a requirement of a condition set out in this Decision Statement: ■ 2.9.1 conduct the follow-up program according to the information determined pursuant to condition 2.5; ■ 2.9.2 undertake monitoring and analysis to verify the accuracy of the environmental assessment as it pertains to the particular condition and/or to determine the effectiveness of any mitigation measure(s); ■ 2.9.3 determine whether modified or additional mitigation measures are required based on the monitoring and analysis undertaken in accordance with condition 2.9.2; and ■ 2.9.4 if modified or additional mitigation measures are required pursuant to condition 2.9.3, develop and implement these mitigation measures in a timely manner and monitor them in accordance with condition 2.9.2.	Section 10 Section 12
Condition 2.10 (Follow-up and Adaptive Management)	Where consultation with Indigenous groups is a requirement of a follow-up program, the Proponent shall discuss the follow-up program with Indigenous groups and determine, in consultation with Indigenous groups, opportunities for their participation in the implementation of the follow-up program, including the analysis of the follow-up results and whether modified or additional mitigation measures are required, as set out in condition 2.9.	Section 9.1 Section 10
Condition 2.11 (Annual Reporting)	The Proponent shall, commencing in the reporting year during which the Proponent begins the implementation of the conditions set out in this Decision Statement, prepare an annual report that sets out: ■ 2.11.1 the activities undertaken by the Proponent in the reporting year to comply with each of the conditions set out in this Decision Statement; ■ 2.11.2 how the Proponent complied with condition 2.1; ■ 2.11.3 for conditions set out in this Decision Statement for which consultation is a requirement, how the Proponent considered any views and information that the Proponent received during or as a result of the consultation, including a rationale for how the views have, or have not, been integrated; ■ 2.11.4 the information referred to in conditions 2.5 and 2.6 for each follow-up program; ■ 2.11.5 the results of the follow-up program requirements identified in conditions 3.14, 3.15, 3.16, 4.5, 5.5, 6.11, 6.12, 6.13, 6.14, 8.18.6, 8.20.5, 8.21, and 8.22 if required; ■ 2.11.4 any update made to any follow-up program in the reporting year; ■ 2.11.7 any modified or additional mitigation measures implemented or proposed to be implemented by the Proponent, as determined under condition 2.9 and rationale for why mitigation measures were selected pursuant to condition 2.5.4; and ■ 2.11.8 any change(s) to the Designated Project in the reporting year.	Section 12

Condition	Requirement	Location in Plan
Condition 2.12 (Annual Reporting)	The Proponent shall provide a draft annual report referred to in condition 2.11 to Indigenous groups, no later than June 30 following the reporting year to which the annual report applies. The Proponent shall consult Indigenous groups on the content and findings in the draft annual report.	Section 12.2
Condition 2.13 (Annual Reporting)	The Proponent, in consideration of any comments received from Indigenous groups pursuant to condition 2.12 shall revise and submit to the Agency and Indigenous groups a final annual report, including an executive summary in both official languages, no later than September 30 following the reporting year to which the annual report applies.	Section 12
Condition 2.14 (Information Sharing)	The Proponent shall publish on the Internet, or any medium which is publicly available, the annual reports and the executive summaries referred to in conditions 2.11 and 2.13, the offsetting plan(s) referred to in condition 3.11, the compensation plan referred to in condition 8.18 and, if required, condition 5.3, the whitebark pine management plan referred to in condition 8.20, the communication plans referred to in conditions 6.15 and 10.5, the reports related to accidents and malfunctions referred to in conditions 10.4.2 and 10.4.3, the schedules referred to in conditions 11.1 and 11.2, and any update(s) or revision(s) to the above documents, upon submission of these documents to the parties referenced in the respective conditions. The Proponent shall keep these documents publicly available for 25 years following the end of decommissioning of the Designated Project. The Proponent shall notify the Agency and Indigenous groups of the availability of these documents within 48 hours of their publication.	Section 12.2
Condition 5.1 (Wetlands)	The Proponent shall mitigate the adverse environmental effects of the Designated Project on wetland functions with a preference for avoiding the loss of wetlands and wetland functions over minimizing the adverse effects on wetlands, and for minimizing the adverse effects on wetlands over compensating for lost or adversely affected wetlands, taking into account British Columbia's *Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia, and Riparian Management Area Guidebook*.	Section 8
Condition 5.2 (Wetlands)	The Proponent shall maintain, during construction and operation, a 30-metre buffer of undisturbed vegetation around wetlands located within the Mine Site, excluding activities required to construct project components. The Proponent shall conduct work or activity within the 30-metre buffer only to the extent necessary for safety reasons, to control invasive plants, or to install and maintain erosion or sediment runoff control measures. The Proponent shall have an independent environmental monitor observe work being done within the buffer, except when not possible for safety reasons. As part of the annual report, the Proponent shall include a summary of work or activities conducted for safety reasons within the 30-metre buffer.	Appendix P

Condition	Requirement	Location in Plan
Condition 5.3 (Wetlands)	The Proponent shall, for adverse environmental effects from the Designated Project on wetlands that cannot be avoided or minimized pursuant to condition 5.1, set out mitigation measures in a wetland compensation plan. The Proponent shall develop the wetland compensation plan, prior to construction, in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, and taking into account Canada's Federal Policy on Wetland Conservation, Environment and Climate Change Canada's *Operational Framework for Use of Conservation Allowances* and habitat needs for migratory birds, moose (*Alces alces*) and listed species at risk. When identifying mitigation measures, the Proponent shall select wetland restoration over enhancement and wetland enhancement over wetland creation. The Proponent shall start the implementation of the wetland compensation plan prior to the wetlands being adversely affected.	Section 8 Section 9
Condition 5.4 (Wetlands)	For any wetland creation required pursuant to condition 5.3, the Proponent shall establish, prior to wetland creation and in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, performance standards for wetland functions.	Section 9 Section 10.7
Condition 5.5 (Wetlands)	The Proponent shall develop, prior to construction and in consultation with Indigenous groups, Environment and Climate Change Canada and other relevant authorities, a follow-up program to verify the predictions of the environmental assessment as it pertains to the adverse environmental effects of the Designated Project on wetland functions and to detaine the effectiveness of the mitigation measures as it pertains to wetlands. The Proponent shall implement the follow-up program during from construction through decommissioning and shall apply conditions 2.9 and 2.10 when implementing the follow-up program. As part of the follow-up program, the Proponent shall:	Section 10.7
Condition 5.5.1 (Wetlands)	■ conduct pre-construction surveys within the Mine Site to confirm the absence of red or blue-listed wetlands. The Proponent shall provide the results of the survey to the Agency and to Indigenous groups prior to the start of construction. If the results of the survey demonstrate the presence of red or blue-listed wetlands within the Mine Site, the Proponent shall develop, prior to construction, and implement additional mitigation measures;	Section 7.2
Condition 5.5.2 (Wetlands)	■ monitor changes to wetland functions of wetlands located within the Mine Site and remaining after vegetation clearing required to construct project components during all phases of the Designated Project; and	Section 10
Condition 5.5.3 (Wetlands)	■ monitor all compensatory wetland sites at a minimum annually, to ensure they meet or exceed performance standards for wetland functions established pursuant to condition 5.4 from the start of compensation until wetland functions are attained.	Section 10

APPENDIX D WETLAND BASELINE SAMPLING AND FUNCTION ASSESSMENT METHODOLOGY

APPENDIX D WETLAND BASELINE INFORMATION

1. FIELD SURVEY METHODS

Wetlands were assessed using the standard methodology as per the Field Manual for Describing Terrestrial Ecosystems, 2nd Edition (BC MOF and MOE 2010) and classified to site series according to the Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004). Soil parameters included soil depth, texture, presence of gleying or mottling, terrain, slope, aspect, and substrate percentages. Soil moisture regime, soil nutrient regime, and site series were determined using the confirmed Biogeoclimatic (BGC) units while integrating site, soil, and vegetation factors (Appendix G). Additional data collected included water quality, hydrodynamic index (Mackenzie and Moran 2004), hydrogeomorphic unit (Mackenzie and Moran 2004), ecosystem function assessments, carbon storage, and a wetland health assessment following the Protocol for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation; Fletcher et al. 2021). Climate attributes such as evapotranspiration rates were not measured, as these data were not readily available or able to be collected. 2022 baseline field data are included in Appendix G.

Field surveys to classify and assess wetland resources were previously completed in July and August 2011, July through September 2012, July and August 2013, and in 2017 (for the Transmission Line corridor only). An updated and more comprehensive field survey of wetland resources was conducted in July and August 2022 based on a co-authored request-for-proposal that was developed by BW Gold, LDN, and UFN. These more recent and more comprehensive results are used in this updated version of the Wetland Management and Offsetting Plan.

The following tasks were part of the wetland field evaluation conducted during the summer of 2022:

- Detailed wetland mapping in the Project Area, including the mine footprint and associated linear features;
- Detailed wetland mapping in the offsetting sites, including the Mathews Creek Ranch and Dykam Ranch;
- Wetland ecosystem data reporting, detailing wetland type, location, size, and hydrological, biochemical, ecological, and habitat functions;
- Wetland function assessments; and
- Wetland area mapping at 1:5,000 scale to inform baseline assessment of potential Project impacts, and sufficient to update habitat suitability mapping for wildlife.

Tasks associated with the wetland field evaluation are described below.

2. FIELD DATA COLLECTION

Field data collection included the creation of a sampling plan prior to the start of the baseline data collection. The sampling plan used preliminary ecosystem mapping to determine potential survey routes based on accessibility and safety, while maximizing the type and number of wetland polygons (i.e., mapped delineations) the route passed through.

A combination of full (ground) and visual checks was used for this survey. Full plots used the Ecosystem Field Form FS882 cards from the Field Manual for Describing Terrestrial Ecosystems, 2nd Edition (BC MOF and MOE 2010) for the site, vegetation, and soils component. However, as the FS882 card does not contain fields for several important wetland data, namely water chemistry (pH, colour), hydrodynamics, and the wetland moisture regimes as presented in Wetlands of British Columbia: A Guide to Identification (MacKenzie and Moran 2004), a custom digital data form was used. All plot data were collected using the ESRI Survey123 application, which significantly reduced potential data entry errors, and reduced data entry and QA/QC time, as the application was pre-populated with the FS882 forms, codes, and biogeoclimatic units and site associations. The ESRI Field Maps application was used for mapping, including the ability to do live edits to the mapped polygons and attribute tables in the field.

Wetlands were classified as per the provincial biogeoclimatic ecosystem classification (BEC) system, using the local field guide (DeLong 2003) and Wetlands of British Columbia: A Guide to Identification (MacKenzie and Moran 2004). Wetlands that could not be classified in the field beyond the level of class (i.e., bog, fen, marsh, swamp, and shallow water) were fully described to enable future classification to the site association level.

Vegetation was identified to the species level (when possible), with photographs and/or samples collected of the species that could not be identified in the field (such as most Sphagnum mosses that require microscopic analysis to identify to the species level). Soils were described to a depth of 1.5 m (or restrictive layer) using a handheld auger and classified as per the Canadian System of Soil Classification (Soil Classification Working Group 1998).

Site descriptions include the standard FS882 data, including GPS location (with an accuracy of 5 m or better), soil nutrient and moisture regimes (including the wetland-specific moisture regime codes when applicable), successional status, structural stage and composition, elevation, slope and aspect, mesoslope position, surface shape, and microtopography. Soil nutrient regime relates to the amount of essential soil nutrients that are available to vascular plants over a period of several years (Meidinger and Pojar 1991), ranging from very poor to very rich. Nutrient content is observed through the soil nutrient regime, as described in MacKenzie (1999) and MacKenzie and Moran (2004).

Any disturbance was recorded using provincial protocols, and a site diagram that shows the plot and wetland in context within the larger complex was drawn. Provincial guidance used for protocols followed the *Protocol for the Wetland Health Management Routine Effectiveness Evaluation* (Fletcher et al. 2021), and supplementary *Technical Guidance Document for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation*; BCWF and FLNRORD 2022). In addition to the FS882 site conditions, pH of standing water was recorded using a properly calibrated handheld multimeter, along with conductivity, turbidity, dissolved

oxygen, and temperature. Colour and depth were also recorded, along with the percent of open water and cover type as per Stewart and Kantrud (1971). The inclusion of these additional data enable classification of all wetlands as per Wetlands of British Columbia: A Guide to Identification (MacKenzie and Moran 2004) and provide important wildlife habitat data.

Visual checks were used to perform quick assessments of wetlands or other ecosystem types that are readily identifiable in the field (BC MOF and MOE 2010). These checks were only used after enough full plots (i.e., a sample size sufficient to obtain representative data for each wetland class) had been completed to accurately describe the ecosystem type, with the purpose being to cover more ground and ground truth as many mapped polygons as possible. Additionally, visual checks were used to supplement the field data and record all wetland types that are traversed while moving from one targeted polygon to the next.

Representative photographs were taken at each full plot and visual check. Photographs were taken in each cardinal direction from the plot centers. Additional photos were obtained of the soil profile (auger core), vegetation communities, wildlife evidence, and other subjects that are deemed important (e.g., slope, aspect, examples of site association, anthropogenic influences).
All photographs were automatically georeferenced. The main site photos (cardinal directions and soil profiles) were taken using the Solocator App, producing images that contain the project name, unique plot ID, compass direction, elevation, date and UTMs, so the locational data is permanently embedded on each photo.

All field data were entered into an Excel database. Internal QA/QC was completed on all field data to ensure it is accurate and complete. Spatial files of each plot location were provided in ESRI shapefile or geodatabase format.

3. WETLAND MAPPING

TEM requires the use of bioterrain mapping to serve as boundaries for physical conditions and soils that are conducive to wetland development. The bioterrain mapping is divided as necessary to reflect the different ecosystem units that occur. For these surveys, the bioterrain product created for the 2017 TEM of the transmission line was used to meet the provincial Terrestrial Ecosystem Mapping (TEM) standards (RIC 1998, RISC 2010).

Ecosystem mapping started with the collection and review of available base data, including the existing transmission line TEM, as well as Vegetation Resource Inventory (VRI) and Predictive Ecosystem Mapping (PEM), the current biogeoclimatic lines, and hydrology (BC Freshwater Atlas). These data informed field ecologists as to likely ecosystem types that may occur in the study area. Using regional field guides and Wetlands of BC (MacKenzie and Moran 2004), a working legend was created that provides a basic description of all potential ecosystems that may occur in the study area, including assumed site conditions, soil and moisture regimes, likely structural stages, and expected parent materials. The working legend was used by field ecologists throughout the mapping process to consistently apply classification codes to each mapped polygon.

Wetland mapping was completed in ArcGIS and a 3D softcopy software (Summit Lite). Digital stereo air photos are required for this system, along with the creation of 3D models for air photos. The use of digital stereo imagery allowed accurate mapping of the study area in accordance with provincial methodologies.

The 2017 TEM was reviewed, with all mapped polygons that contain wetlands examined. Polygons that include compound ecosystems mapping (more than one type of ecosystem classified in the polygon) were revised, where possible, to make the polygon contain pure wetlands, and to make the final data as accurate and useful as possible. Mapping was completed at a 1:5,000 scale to ensure wetland boundaries and features were sufficiently captured (EcoLogic 2023).

All polygons were attributed as per provincial standards (where applicable) using the Terrestrial Ecosystem Inventory (TEI) templates following provincial methodologies (RIC 1998, RISC 2010). Internal QA/QC was performed to ensure that the mapping is spatially accurate, properly classified, and the attribute data is accurate and complete.

Full plot surveys were conducted initially, based on the methods referenced above, until the point at which the wetland class and type were easily recognized by experienced wetland delineators. At this point, easily recognized wetlands were classified based on visual check observations in the field in accordance with the methods in BC MOF and MOE (2010). Of the 203 wetland polygons in the Mathews Creek area, 23 full plots were sampled across 20 polygons, and 37 visual checks across 32 polygons were completed in 2022.

4. WETLAND CLASSIFICATION

Baseline wetland surveys undertaken to support the EA included wetland ecosystem mapping in accordance with TEM protocols (RIC 1998), field studies between spring 2011 and fall 2013 to classify wetland ecosystems, in 2017 along the transmission line route, and additional field studies in 2022 to further refine the nature and extent of wetlands associated with the Project Area, the Mathews Creek Ranch and Dykam Ranch offsetting sites. Wetlands were classified in accordance with the site unit classification model (MacKenzie and Moran 2004) based on the provincial BEC (Pojar et al. 1987) and Canadian Wetland Classification (Warner and Rubec 1997) systems. Groups of co-occurring plants are used to further sub-classify wetlands into associations that are designated with a code (e.g., Wf02) and a name that describes the vegetation association (e.g., scrub birch-water sedge).

4.1 LISTED WETLANDS

The British Columbia Conservation Data Centre (BC CDC; current to 2024) tracks and records ecosystems conservation status. Wetlands identified as blue-listed are ecosystems of special concern and red-listed ecosystems are at risk of loss.

A search for provincially listed wetlands in the BEC subzones in the Project area in the Stuart Nechako Natural Resource District identified a number of potential listed wetland associations, so the presence of listed wetlands within the Project Area was assessed during the 2022 baseline field surveys. The 2022 wetland evaluation fieldwork confirmed that red-listed wetlands are absent from the Project Area and offsetting sites (EcoLogic 2022a). The blue-listed wetlands observed within the Project Area and offsetting sites within the BEC subzones in 2022 are summarized in Table 4.1-1.

TABLE 4.1-1 SUMMARY OF BLUE-LISTED WETLAND ASSOCIATIONS WITHIN THE BEC SUBZONES OF THE PROJECT AREA AND OFFSETTING SITES (ECOLOGIC JULY 2022).

Project Area			
ESSF mv 1	ESSF mvp	SBS dk	SBS mc3
Wb10 Wb13 Wf11 Wf13 Ws07	No Listed Wetlands	No Listed Wetlands	Wf08 Ws07
Mathews Creek Offsetting Site			
SBS mc3			
Ws07			
Dykam Ranch Offsetting Site			
SBS dk		SBS mc3	
Wf06 Wf05 Wf08 Wm02 Wm04 Ws07		Ws07	

It should be noted that the same wetland associations (e.g., Wf02, scrub birch–water sedge) can occur in multiple regions and BEC subzones. In some regions that association may be common, while it may be declining in other regions or BEC subzones and be listed with the BC CDC. Therefore, the region, BEC subzone and association must all be known to identify a listed wetland. Although Ws07 was identified as a listed ecosystem (EcoLogic 2022a), the BC Conservation Data Center (BC CDC; current to 2024) does not list Ws07 as an at-risk ecosystem for the Stuart Nechako Natural Resource District, within which the Project is located.

However, both the Environmental Assessment Certificate and Decision Statement conditions require that all wetlands are offset, without additional measures required for red- or blue-listed wetlands.

4.2 FOCAL WETLAND SPECIES

A total of 80 wildlife species were detected during the 2022 field surveys that rely on wetland habitats. These species were organized into nine VCs that were considered in the Application/EIS and these form the focus of the wildlife habitat functions supported by wetlands. The VCs include:

- Amphibians;
- Forest Grassland Birds;
- Waterbirds;
- Moose;
- Caribou;

- Grizzly Bear;
- Furbearers;
- Bats; and
- Invertebrates.

5. WETLAND FUNCTION FIELD ASSESSMENT

The standard wetland data collection process, as described above, captures the majority of the data required for wetland function assessments, including hydrogeomorphic system (j), hydrodynamic index (HDI), soil moisture regime (SMR), soil nutrient regime (SNR), pH, soil drainage classes, soil moisture subclasses, and plant inventory. The ESRI Survey123 digital data collection form included fields for all of these values to ensure accurate and complete data collection. Vegetation inventories focused on the indicator species required to accurately classify wetlands to the provincial site association level, rather than a comprehensive inventory of all species. The BC Flora annual publication by the BC Conservation Data Centre was used to record and name vegetation. An experienced botanist performed QA/QC of species lists to confirm the identification of any potential species at risk.

Air photo interpretation and LiDAR were used to identify wetland size, with field checks to ensure accuracy. The assessment of in- and outflow locations was based on a GIS assessment of wetlands that are known to be connected to watercourses using the provincial Terrain Resource Information Management (TRIM) mapping. The use of plots and air photo interpretation to establish the wetland extent and classification is the generally accepted method (MacKenzie and Moran 2004; Warner and Rubec 1997).

Wildlife assessments, using the standard wildlife habitat assessment, tree attributes, and coarse woody debris forms (BC MOF and MOE 2010), required the development of targeted species and life requisites. These assessments were completed for a limited number of representative wetlands containing trees, rather than every wetland that was sampled. Tree and coarse woody debris surveys were completed on at least three of each wetland type that contains trees and woody debris, typically swamps, and were typically not conducted on marshes, shallow water, and herbaceous or shrub-dominated fens and bogs, which do not have trees or large woody debris to assess. All incidental observations of animals, evidence of use, habitat values, and any evidence of use by key species (such as moose (*Alces alces*) and western toad (*Anaxyrus boreas*)) were recorded on wildlife habitat assessment forms, including Survey123 digital field forms, as well as incidental observation forms for non-targeted wildlife, at-risk species, or significant features. The focal wildlife species list was consulted on with LDN and UFN and their consultants, Keefer Ecological Services (KES), throughout the spring of 2022 and consensus was reached on the list as per confirmation from KES' wildlife biologist. The final focal species list is included in Section 4.2.

Data collected were of sufficient quality and quantity to identify any rare plants and ecosystems previously misidentified or missed in past assessments carried out in the same geographic location.

Field sampling was conducted to assess wetland function and classification in the Project Area and offsetting sites. Baseline data were collected to describe four primary wetland functions (hydrological, biochemical, habitat and ecosystem; Table 5-1; Appendix I) using the following methods:

- Hydrodynamic indicator observations for hydrological function;
- Water and carbon sampling for biochemical function;
- Wildlife observations for habitat function; and
- Wetland classification and connectivity for ecosystem function.

TABLE 5-1 WETLAND FUNCTIONAL ASSESSMENTS CONDUCTED WITHIN THE MINE SITE STUDY AREA AND WITHIN THE MATHEWS CREEK RANCH OFFSETTING SITE

Wetland Function	Assessment Component
Hydrological	Hydrogeomorphic (HGM) classification[1] Hydrodynamic index (HDI)[1] Surface shape[2] Mesoslope position[2]
Biochemical	Water quality Soil Nutrient Regime (SNR)[2] Soil (Organic) Level of Decomposition[2]
Habitat/Ecosystem	Size Shape Wetland class (site series)[1] Distribution on the landscape/connectivity Disturbance/Wetland Health[3] Species richness and diversity Ecosystems and species at risk[4] Wildlife habitat potential

Notes: [1] Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004).
[2] Field Manual for Describing Terrestrial Ecosystems (BC MOF and BC MOE 2010).
[3] Protocol for Evaluating the Health of Wetlands (Fletcher et al. 2021); Wetland Management Routine. Effectiveness Evaluation - Technical Guidance Document for Evaluating the Health of Wetlands (BCWF and MFLNRORD 2022).
[4] British Columbia Conservation Data Centre (BC CDC; current to 2024).

5.1 HYDROLOGICAL FUNCTION ASSESSMENT

Hydrodynamics of wetlands are determined by the characteristics of the main water sources and sinks, and the interaction of these with site topography and wetland substrate (peat, mineral, and vegetation cover). Hydrological function relates to the contribution of the wetland to the flow of surface water and groundwater in the area of interest. The HGM classification system places the wetland in the context of the larger watershed system (Smith et al. 1995; Hanson et al. 2008). HGM also helps evaluate the basic hydrological wetland processes and conditions relative to other wetlands. These hydrological characteristics of wetlands exert a strong influence upon the ecological character, biota, and functional performance of wetlands.

HGM is a hierarchical classification described by *systems* and *element groups*. There are six HGM *systems* recognized regionally in BC (BC MOF and BC MOE 2010): upland, palustrine, lacustrine, fluvial, estuary, and marine. These systems describe the influence of major water source(s) and

hydrological processes. The *element group* depicts the patterns of waterflow related to the general water sources, hydrodynamics, and connectivity in the landscape. Refer to Tables 2.11 and 2.12 in the Field Manual for Describing Terrestrial Ecosystems (BC MOF and BC MOE 2010) for more information on HGM units.

There are four soil moisture regimes, ranging from moist to very wet, that impact soil drainage and vegetation community structures. The soil moisture regimes are dependent on precipitation where root systems do not reach the groundwater table. The six different soil nutrient regimes, ranging from very poor to hyper, indicate available essential nutrients for vascular plants. Soil nutrient regime influences biochemical function through nutrient and organic export, and hydrological function through groundwater recharge.

Wetland hydrology may be difficult to determine, as the contribution of seasonal water flows, precipitation and groundwater are not always readily apparent. However, the HGM classification can be used to guide understanding of hydrological mechanisms. Water balance information also adds to hydrological understanding, but only deals with bulk water volume transfers and not with wetland water levels, which may be important to wetland flora and fauna.

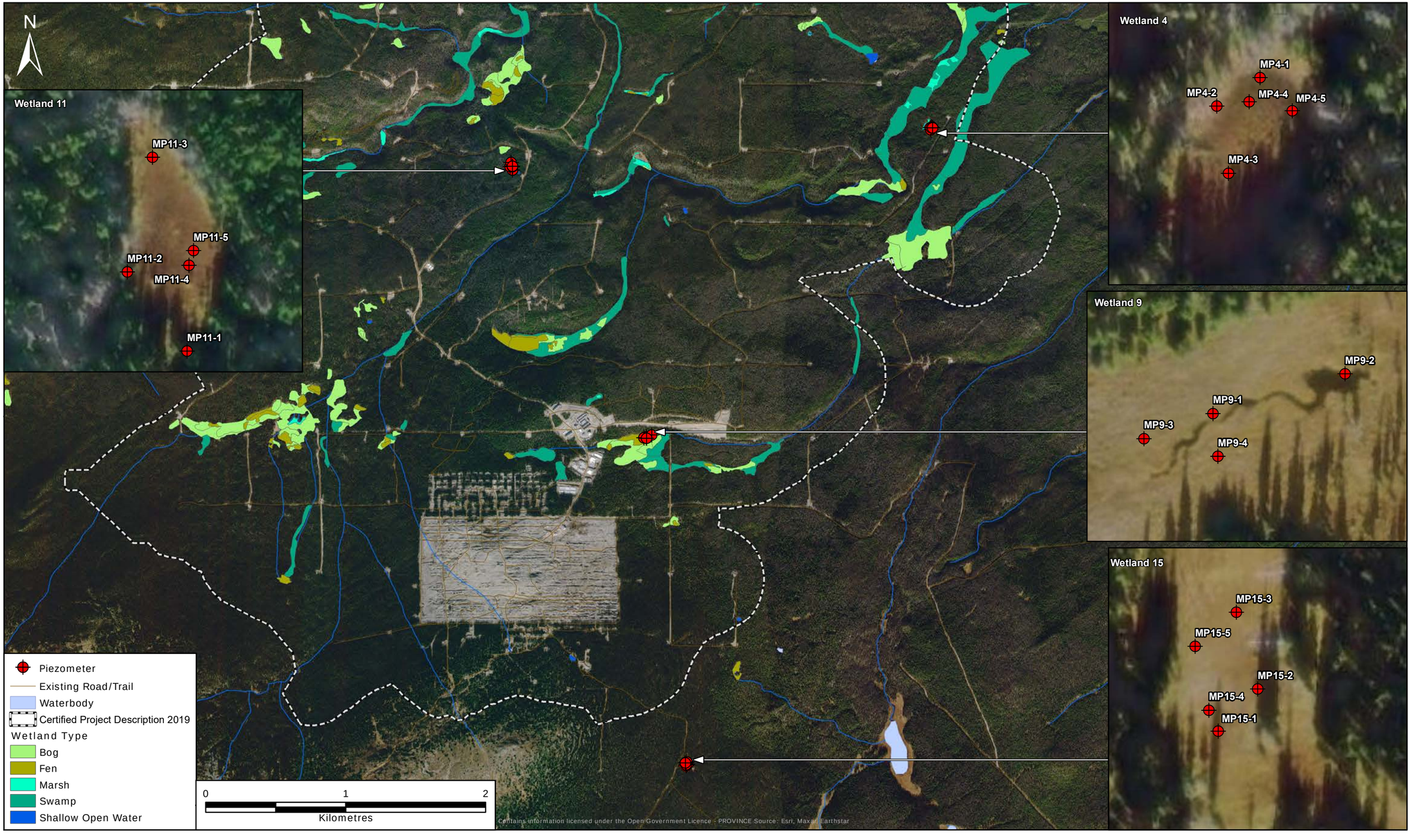
The field parameters related to wetland hydrological function that were collected during the 2022 wetland baseline surveys are described in general terms in Table 5-1. Additional details of these field parameters are provided in Table 6.1-1.

In addition, hydrological function is being studied at select wetlands across the mine site (Figure 5.1-1) and Mathews Creek Ranch offsetting site (Figure 5.1-2). All wetland types were selected and analysed by installing shallow groundwater piezometers and level data loggers. During wetland ecosystem field surveys, wetland types in a variety of landscape positions were selected for evaluation. Shallow groundwater wells installed in the selected wetlands consist of 152-cm long, 2.5-cm diameter, slotted PVC pipe (Appendix P). The piezometers were installed using a drive point, to approximately 1 m into the ground. Depending on the wetland, between four and eight shallow groundwater wells were installed in a cross-pattern perpendicular/parallel to the expected groundwater flow direction. One axis of the cross will be perpendicular to the assumed direction of flow and the other parallel to the assumed direction of flow.

Each piezometer was surveyed for elevation, in addition to wetland water levels at three locations within each wetland that were instrumented with a Solinst Datalogger on a 15-minute interval. One barologger was also installed to correct the data for barometric pressure. The dataloggers were downloaded periodically and manual wetland water levels were measured to confirm and calibrate continuous monitoring results. Based on the wetland piezometer monitoring results, an assessment of the baseline wetland hydroperiod for each of the selected wetlands will be conducted.

The initial piezometer data from this hydrologic study is available and will be evaluated along with data still being collected by an integrated team of ecologists and hydrogeologists to provide a detailed hydrological and hydrogeological assessment of selected wetlands across all wetland types to establish wetland hydroperiods. The results of the hydrologic study will characterize the baseline conditions of the wetlands and establish a benchmark against which future potential alterations to wetlands can be assessed.

FIGURE 5.1-1 LOCATIONS OF MINI-PIEZOMETERS AT THE MINE SITE



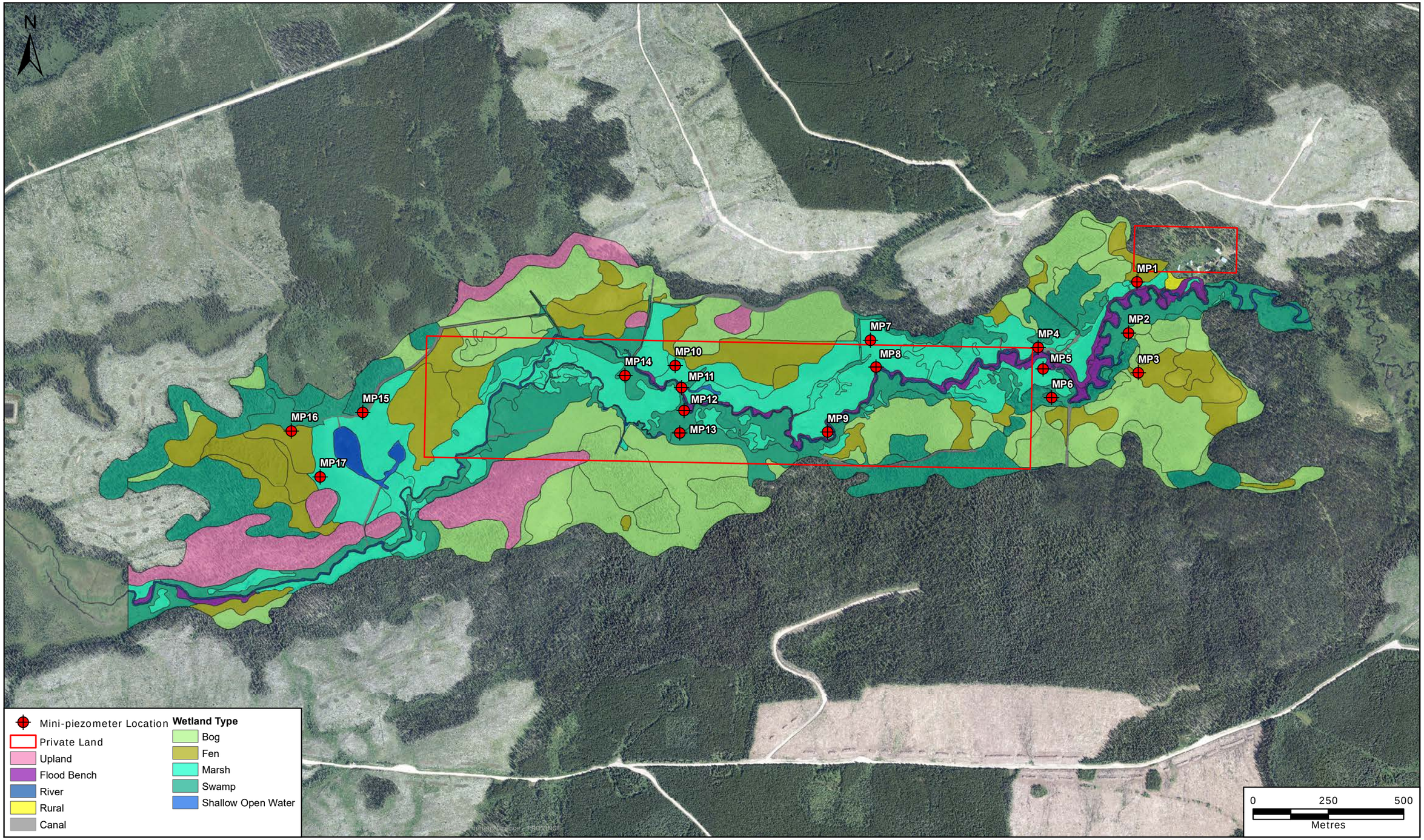
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-067a

DATE: 03/27/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:843 when printed at 11x17

FIGURE 5.1-2 LOCATIONS OF MINI-PIEZOMETERS IN MATHEWS CREEK RANCH WETLAND



ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-067b

DATE: 03/27/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:12,000 when printed at 11x17

5.2 BIOCHEMICAL FUNCTION ASSESSMENT

Biochemical function was evaluated using parameters related to wetland water quality, nutrient and organic matter export, and carbon storage, including the HGM, HDI, soil nutrient regime, soil order and soil horizons.

A carbon sequestration evaluation was conducted as part of the carbon storage function assessment. Within wetlands, the soil carbon (peat) represents the primary form of carbon storage, with carbon storage potential in peat many times greater than in vegetation biomass (Beaulne et al. 2021). Peat represents a stable long-term form of carbon, as long as the conditions under which it was formed (saturated soils) continue. Any disturbance that has the potential to change the hydraulic regime can potentially result in the drying of the wetland surface tiers which would lead to rapid organic matter degradation and release of CO_2. To determine the potential of the Project to affect carbon storage in wetlands, the amount of soil carbon (in peat) in wetlands in the Project footprint has been assessed. This was done using the following methods:

- Identify which wetlands have the highest potential to store carbon. These were dominated by fen and bog wetland classes;
- Identify which of the fen and bog site associations (as per McKenzie and Moran 2004) are likely to contain substantial tiers of organic peat;
- During the wetland function assessment field work, 10 wetlands likely to contain peat were selected and sampled using the following process:
    - Establish a transect across the wetland,
    - Using a peat probe, characterize the organic tiers according to level of decomposition using the Von Post Scale of decomposition,
    - Obtain peat samples in the mesic tier using a peat probe sampler,
    - Obtain peat depths across the transect so that a cross-section of peat depth is developed,
    - Calculate peat bulk density per wetland, and
    - Using bulk density, site association area and cross-section data, calculate peat volume.

These data were used to estimate total peat stored in wetlands across the Project footprint. This information was used as part of the wetland functional assessment to inform wetland compensation efforts.

The field parameters related to biochemical function that were collected during the 2022 wetland survey are described in general terms in Table 5-1. Additional details of these field parameters are provided in Section 6.1 (see Table 6.1-1).

5.3 ECOSYSTEM FUNCTION ASSESSMENT

The ecosystem function assessment quantifies the extent, structure, and complexity of the sampled wetlands. Wetland ecosystems were identified and inventoried as per provincial TEM standards (RIC 1998, RISC 2010). Once mapped and classified, the area of wetland ecosystems was calculated using ArcMap 10.0 (ESRI Redlands, CA). Wetland site class and area were then described and summarized (Appendix E; Table E-1). Wetlands were identified by general wetland type (bog, fen, marsh, swamp, shallow open water) and wetland site series classification based

primarily on plant associations (e.g., Ws07: Spruce – Common horsetail – Leafy moss swamp site association).

Assessment of Ecosystem Quality was assessed in field using a Wetland Health Assessment following the *Protocol for the Wetland Health Management Routine Effectiveness Evaluation* (Fletcher et al. 2021), and supplementary *Technical Guidance Document for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation*; BCWF and FLNRORD 2022). The Wetland Health Assessment was supplemented by the general field data (BC MOF and MOE 2010) which includes information on vegetation (including native and exotic species), soils, ecosystem structure (trees, coarse woody debris), and a variety of other attributes.

The field parameters related to wetland ecosystem function that were collected during the 2022 wetland survey are described in general terms in Table 5-1 in this section. Additional details of these field parameters are provided in Section 6.1 (see Table 6.1-1).

5.4 HABITAT FUNCTION ASSESSMENT

A list of potentially occurring wildlife species (e.g., amphibians, birds, mammals, and invertebrates [dragonflies, damselflies, and lepidoptera]) was developed for each wetland classification. Species selected for initial inclusion were identified as locally dependent on wetlands for a portion of their lifecycle (Stevens 1995; Delesalle 1998; and Klinkenberg 2013). The species list was refined based on the life requisites for each species (BC CDC 2012) and reviewed to determine the likelihood of wetland use as identified by BEC zone and wetland class (MacKenzie and Moran 2004). Wildlife survey data (i.e., wildlife detections) and literature research associated with biological productivity and support of biodiversity were used to determine habitat function ratings (Hanson et al. 2008) for each wildlife data collection location. Indicator wetland vegetation and soil saturation provided evidence of wetland specific habitat for breeding or foraging habitat for numerous waterfowl species, including horned grebes (*Podiceps auratus*; special concern on Schedule 1 of the *Species at Risk Act*; Government of Canada 2022). To assess observed wildlife use, incidental observations of wildlife species (or evidence of presence) were also recorded along with additional information on habitat, habitat condition, notes, and location.

Wildlife biodiversity attributes were determined by the presence of significant wildlife species, including species at risk, species related to recreation or subsistence, and commercially valued species (Hanson et al. 2008). The focal wildlife species list was consulted on with LDN and UFN and their consultants, KES, throughout the spring of 2022 and consensus was reached on the list as per confirmation from KES' wildlife biologist. The final focal species list is included in Section 4.2.

Habitat functionality values were developed for specific wildlife species that spend a critical portion of their lifecycle (e.g., breeding, nesting, or foraging) in wetlands. Wildlife species ratings were determined by dividing the average number of annual usage events detected (e.g., moose were rated for both winter and fall use) by the number of wildlife species expected to use specific wetland habitat. Overall habitat functional values were ranked into high (1 to 2), moderate (2 to 3), and low (≥3) categories for each wetland.

The field parameters related to wetland habitat function that were collected during the 2022 wetland survey are described in general terms in Table 5-1 in this section. Additional details of these field parameters are provided in Section 6.1 (see Table 6.1-1).

6. EVALUATION OF WETLAND FUNCTIONS

6.1 WETLAND FUNCTION RUBRIC

Appendix I presents the wetland function rubric which identifies the different functions (hydrological, biochemical, habitat and ecosystem) for each wetland class (bog, fen, marsh, swamp, shallow open water) and the associated sub-functions (or values). Hanson et al. (2008) provides functional values and attributes of wetlands by wetland class and information was used to inform the development of the rubric. Where there were gaps in wetland function in this reference, other references (e.g., Forest and Range Evaluation Program) were used. Numerical values (e.g., 1 [for low], 2 [for moderate], and 3 [for high]) are then assigned as possible scores to the values for each wetland class based on information in Hanson et al. (2008). The wetland function field data are then used to identify the appropriate score (e.g., numerical value of 1, 2, or 3) for a given sub-function of a wetland based on field observations. This process effectively translates the field function data into a numerical value that represents function on a wetland-specific basis. The field function data used in the rubric are summarized in Table 6.1-1. The draft wetland function rubric was shared with LDN and UFN as well as the BC Ministry of Land, Water and Resource Stewardship for review and feedback in September and October and presented and shared via email to provincial and federal agencies and Indigenous groups at a wetland plan update meeting October 20, 2022. A copy of the rubric-sharing email is also provided in Appendix I.

TABLE 6.1-1 WETLAND FUNCTION ACCOUNTING FRAMEWORK

Wetland Function	Value*	Field Data Used	Source
Hydrological Function	1. Water flow moderation	HGM	BW_Plots_Dec72022_Final_20240201.xlsx
	2. Groundwater recharge	HDI, SNR, surface shape, mesoslope position	BW_Plots_Dec72022_Final_20240201.xlsx
	3. Erosion protection	HGM, HDI	BW_Plots_Dec72022_Final_20240201.xlsx
Biochemical Function	4. Water quality treatment	HGM	BW_Plots_Dec72022_Final_20240201.xlsx
	5. Carbon storage	Soil order, great group, surface horizon	BW_Plots_Dec72022_Final_20240201.xlsx
	6. Nutrient and organic export	HGM, HDI, SNR	BW_Plots_Dec72022_Final_20240201.xlsx
Habitat Function (wildlife)	7. Species of value	Automatic score of +3	N/A
	8. Wildlife use	Incidental observations	Blackwater_IncidentalObservations_07Oct2022.xlsx
	9. Habitat for wildlife species at risk	Automatic score of +3	N/A
Ecosystem Function (plants)	10. Habitat for ecosystems at risk	BC CDC red- and blue- listed ecosystems	BW_Plots_Dec72022_Final_20240201.xlsx

Wetland Function	Value*	Field Data Used	Source
		(Blue-listed at Project Area and Offsetting Sites: Wb10, Wb13, Wf08, Wf11, Wf13, Ws07)	
	11. Ecosystem quality	Wetland Health Assessment (where available); else, vegetation cover, exotic species occurrence/cover, indicator species cover, proximity to disturbance, coarse woody debris composition	BWG_Wetland_Health_Assessment_Oct2022.xlsx BW_Plots_Dec72022_Final_20240201.xlsx Disturbance (spatial data compiled for roads, cutblocks, mine infrastructure, and other) BWG_CWD_TreeAtt_Oct2022.xlsx
	12. Ecosystem connectivity	Wetlands with touching boundaries	Wetland polygons

Notes:
*Wetland Functions assess in reference to:
British Columbia Conservation Data Centre (BC CDC; current to 2024).
Field Manual for Describing Terrestrial Ecosystems (BC MOF and BC MOE 2010).
Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004).
Protocol for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation; Fletcher et al. 2021).
Wetland Ecological Functions Assessment: An Overview of Approaches (Hanson et al. 2008).
Wetland Management Routine Effectiveness Evaluation - Technical Guidance Document for Evaluating the Health of Wetlands (BCWF and MFLNRORD 2022).

For each wetland type, function, and associated values, a ranking system of Low (+1), Moderate (+2), or High (+3) was used to determine the overall wetland function score for each individual wetland based on guidance in Hanson et al. (2008), and the Forest and Range Evaluation Program (FREP). For some wetland functions and associated values, there was only one option from the ranking system (e.g., Low (1) for bog water flow moderation). For others, the full ranking, or subset of the ranking was possible (e.g., Low (1) for HDI = 1, or High (3) for HDI = 2 for fen groundwater recharge; or Low (1) for fluvial, Moderate (2) for lacustrine, or High (3) for palustrine HGM for marsh erosion protection; Table 6.1-2). This methodology ensures that the wetland functional rating is tied directly to field data and that assumptions were not made by the assessor through the ranking process, thus reducing bias.

TABLE 6.1-2 EXAMPLES OF CELLS (HYDROLOGICAL FUNCTION) WITHIN THE WETLAND FUNCTION ACCOUNTING FRAMEWORK

Wetland Function	Value	Bog+5*	Fen	Marsh
Hydrological Function	1. Water flow moderation	Low (1)	Moderate (2)	Low (1) - Seepage slopes HGM Moderate (2) - Hollows and basins, fluvial and lacustrine HGM High (3) - Potholes HGM

Wetland Function	Value	Bog+5*	Fen	Marsh
	2. Groundwater recharge	Low (1)	Low (1) - HDI 1 High (3) - HDI 2	Low (1) - HDI 4 or 5 High (3) - HDI 2 or 3
	3. Erosion protection	Low (1)	Low (1) - Fluvial HGM, disturbed Moderate (2) - Lacustrine HGM Hight (3) - Palustrine HGM, HDI 1 or 2	Low (1) - Fluvial HGM, disturbed Moderate (2) - Lacustrine HGM High (3) - Palustrine HGM, HDI 1 or 2

Notes:
The full rubric can be referenced in Appendix I
* Each bog function score had five (5) additional points added to the overall total to ensure that all wetland classes were valued approximately equally when assumed to be fully functioning. Despite bogs having lower hydrological function (for example), they are equally important ecosystems and habitats; hence, the +5 points for bogs effectively levelling function scores across all wetland classes.

For each wetland class, Hanson et al (2008) outline a number of values associated with each function, their attributes, and probable performance of the value (i.e., service). There are instances where Hanson et al. (2008) did not suit this assessment, and in those instances, adjustments were made to the ranking framework. Those adjustments include habitat functions, for which Hanson et al. (2008) only identify one value; the presence or absence of significant species, including species at risk, species related to recreation, subsistence, and commercially valuable species. Additionally, bogs are identified as "potentially high performance" in Hanson et al. (2008), but we rank as Low (1) since bogs are nutrient-poor wetlands and do not have outlets (MacKenzie and Moran 2004). Despite ranking all wetlands as High (+3) for wildlife functions in the 2022 baseline surveys, the framework was updated to include the following possible rankings:

- Low (1): No expected species of value to stakeholders, or
- High (3): Expected species of value to stakeholders.

This was done to capture the importance of wetland habitats to wildlife, regardless of their perceived value and whether incidental observations detected a certain valuable, or at-risk species. This same ranking, and automatic assignment of 3 to all wetlands, was done for wildlife habitat function values species of value and habitat for wildlife species at risk.

The framework was further adjusted to include ecosystem values not captured in Hanson et al. (2008), including habitat for ecosystems at risk (e.g., blue-listed wetlands), ecosystem quality, and ecosystem connectivity. The field data used to inform this section of the framework is presented in Table 6.1-1. Ecosystem quality data used in this assessment are aligned with the Wetland Management Routine Effectiveness Evaluation (BCWF and FLNRORD 2022; Fletcher et al. 2021) for the health of wetlands, as implemented under FREP. Ecosystem quality was determined by considering field data regarding vegetation cover, the presence and percent cover of exotic plant species, indicator species presence and percent cover, proximity to disturbance and coarse woody debris composition if a full wetland health assessment was not available for the site. Following the established health assessment methods, ecosystem quality was ranked from Not Functioning (+1) to Functioning (+4), as per the methods outlined in FREP.

The calculation process associated with the wetland function rubric was converted into a series of linked spreadsheets with embedded calculations to allow for automated updates of wetland function scores if the field data function values are changed. The statistical program R was used to generate the program code for automation of the rubric calculations.

It should also be noted that the field data function values for input into the rubric were collected as part of complete surveys (full, or ground plots) of representative wetlands; however, some wetlands were delineated using only visual methods in the field based on professional field knowledge. Wetland surveys completed were conducted to ensure monitoring could be coordinated within one year or one field season; therefore, not all wetland values were considered. To accommodate for differences between wetland types, minor alterations to the adopted methodology specific to the wetland type were made. For example, bogs were assigned an automatic Low (1) score for water quality treatment since they are typically disconnected from surface water and thus do not support surface water quality. Because wetland function field parameters were not collected at these visually evaluated wetlands, a wetland function value was assigned to these wetlands based on the average wetland function value for those same wetland classes that were fully evaluated by collection of field function data. In this instance, for the visually evaluated wetlands, the rubric was used to indirectly characterize and quantify wetland function based on average wetland function values for a given wetland class.

An example of a wetland function score card is also provided in Appendix I, which provides the sum of the wetland sub-function values to produce an overall function score for a given wetland based on the wetland function field data collected for completed surveyed wetlands. The appended score card and rubric (Appendix I) provides an example of how function scores were calculated for each wetland based on field measurements. It should be noted that different wetland classes have varying degrees of wetland function, so separate score cards were developed for each wetland class, and results from the separate score cards were added together to calculate a total function score, which represents all wetland classes, for a given area with wetlands (e.g., the Mine Site). All function scores for all wetlands are included in Appendix E. The current methodology and rubric calculations are predicted losses and gains and will further be refined through reassessment and follow-up monitoring.

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APPENDIX E BLACKWATER OFFSET ALTERNATIVE PROPOSAL (ECOLOGIC 2024)

Blackwater Gold Project
Offset Alternatives Proposal

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EXECUTIVE SUMMARY

Fisheries Act Authorization (FAA) 21-HAPC-01477 was issued to Blackwater Gold (BWG) by DFO in 2023 after two years of consultation and engagement activities culminating in the submission of an offsetting plan including multiple offsetting sites due to the loss and alteration of fish habitat from mine infrastructure and development activities. BWG was also required to develop a Wetlands Offsetting and Management Plan (WMOP) as part of its Environmental Assessment Certificate (EAC) – Condition 24. The WMOP was developed in Q4 2021 and after a thorough consultation process was approved by the Environmental Assessment Office (EAO) in February 2023.

During the FAA and WMOP reviews, Lhoosk'uz Dené Nation (LDN) and Ulkatcho First Nation (UFN) expressed concerns with respect to some of BWG's proposed offsetting project locations for both fish and wetlands. As a result, the parties held discussions with respect to a process to attempt to identify and evaluate potential alternative offsetting sites for fish and wetlands subsequent to issuance of the FAA and approval of the WMOP. BWG provided a letter to LDN and UFN outlining its commitments in this regard and the parties initiated work on a Project Charter to guide their work together.

The Wetlands Management Offsetting Plan (WMOP) was approved via signed letter from EAO on February 14, 2023 and includes the following requirements:

1. *Engage in consultation with Lhoosk'uz Dené Nation and Ulkatcho First Nation to continue to evaluate Dykam Ranch as an offsetting option and consider other wetland initiatives as alternatives to fulfill the offsetting objectives of the plan.*

2. *Update the plan to make it more concise and ensure it contains the necessary prescriptions and steps for implementation and to facilitate enforcement.*

   Please revise the draft WMOP in consultation with Lhoosk'uz Dené Nation and Ulkatcho First Nation and the Ministry of Water, Land, and Resource Stewardship and resubmit to the EAO within one year of receipt of this letter, unless otherwise authorized by the EAO. As part of revising the WMOP, please respond to comments provided by all parties, including consideration of restoration methodologies at the Matthews Creek Ranch.

The FAA was approved on July 28, 2023. Section 6.3 of the FAA requires the development of an offset alternatives proposal to explore whether alternative offsets to those approved by way of the FAA could be found. The intent of Section 6.3 of the FAA is [and the EAO wetland letter] analogous to the intent of the work of the Charter – that is, to collaborate with LDN and UFN to identify and evaluate potential alternatives to the approved offsets. BWG, LDN and UFN agreed on several screening criteria that were used to guide the identification of offsets for the offset alternatives proposal which are set out in Section 1.4.

A workplan for identifying potential candidate alternative offset sites was presented to LDN and UFN January 17, 2023, and the formal proposal provided January 19, 2023, which included a restoration tool which integrates estimates into environmental indices derived from remote sensing satellites (e.g.,

Landsat and Sentinel-2). BWG sought feedback from LDN and UFN on the workplan; which was a recurring agenda item topic for discussion at several EMB meetings and ultimately the workplan was initiated by BWG to ensure adequate time was available to meet the regulatory timelines and not miss the field season due to the onset of winter. BWG executed the workplan in a staged manner to bring information back to the Nations at important junctures and to collaborate on next steps. These were:

- Computer modelling to create list of sites – kicked off in January 2023 and an interactive website provided to LDN and UFN showing possible alternative sites August 31, 2023. There were some delays in meeting to review the outputs of the modelling earlier due to parties being preoccupied with wildfire in the area in the summer.
- Finalizing the screening criteria – this activity started in January 2023 at an in-person meeting at the BWG office in Vancouver and wrapped up during a specific screening criteria meeting held in person in Vancouver on September 14, 2023, to be able to kick off the field work in October.
- Finalizing priority alternative sites to complete field work – a map of possible alternative offsetting sites was used during a targeted meeting on September 14th to determine which sites LDN and UFN preferred that BWG took to the next step of field work.
- Field work – BWG provided a field work plan to LDN and UFN on September 27, 2023, and offered an opportunity for LDN and UFN to participate. Both LDN (October 6, 2023) and UFN (October 4, 2023) EMB representatives confirmed that they supported having the onsite BWG environmental monitors from LDN and UFN participating on their behalf. The field work was completed between October 11-13, 2023.
- Reporting Back – BWG involved the onsite BWG environmental monitors from LDN and UFN in a follow-up EMB meeting on November 1, 2023, after completion of the field work and BW Gold, Ecologic, and both LDN and UFN monitors provided their feedback on what the potential for offsetting might be at the new alternative sites. The LDN and UFN onsite monitors also provided their rotational monitoring reports to the LDN and UFN EMB representatives on October 13, 2023, and November 9, 2023.
- Proposal completion – the draft offset alternatives proposal was sent to LDN and UFN on December 14, 2023. Comments were received from LDN and UFN on January 12, 2024, and BWG replied to the comments on February 13, 2024.

The workplan methods were used to model habitats and calculate geospatial metrics into the sizes and configurations of habitat patches across landscapes. Environmental stress is measured using a ten-year temporal trend analysis of Landsat data. Pixels from the satellite images are evaluated for significant trends in vegetation browning or drying in the wetness index are mapped and modelled as environmental disturbance. Government data on streams, fish locations, land ownership, and harvest history were incorporated in our search to prioritize candidate sites for restoration.

The search for potential restoration sites was narrowed down by modelling environmental priorities with 'restoptr', an R-software package. The 'restoptr'R package was used to programmatically optimize a

common restoration problem: where to direct restoration efforts given a set of priorities. There are few available and published programs or pieces of software that are specifically developed for establishing a restoration priority. The use of 'restoptr' also has the advantage that some of the functions in the software linked to the Choc Solver software for constraint optimization programming and other R packages, such as landscapemetrics.

The priority for the use of 'restoptr' was set to connect disturbed to undisturbed habitats for locating potential restoration sites. The 'restoptr' package models for connectivity between habitat patches using a heuristic algorithm to increase the probability that two random points will be connected in a landscape. The software requires three key map features as inputs: Unavailable for Restoration, Disturbed Areas, and Undisturbed Areas. Users can set priorities through habitat weighting or spatial constraints, tailoring the restoration planning process to specific needs.

In addition to the 'restoptr' package, EcoLogic developed a restoration tool for collaborative restoration planning that includes customized script to process and integrate remote sensing data into defined seasons across years. Different programming chains can be run to produce estimates of vegetative biomass, wetness, dryness, surface roughness, and landscape heterogeneity. Statistical modelling procedures are built into the script for calculating non-linear patterns in the likelihood of relations between environmental variables in the remote sensing products, habitat types, or species distributions.

The maps developed by EcoLogic from analysis of remote sensing data were prepared to visually represent spatial patterns in landscapes. The mapping of environmental trends, features, indices, and patterns provides information for collaborative restoration planning discussions. The approach aligns with the Society for Ecosystem Restoration's (SER) standards of practice, covering Assessment, Planning and Design, Implementation, Ongoing Management, and Monitoring and Evaluation. The 'restoptr' tool enhances collaboration and adaptive management through each phase, providing essential spatial information for decision-making.

Eight potential restoration areas were strategically selected using the screening criteria developed collaboratively with LDN and UFN to maximize connectivity with existing habitat and reduce fragmentation. Priorities were established through a collaborative process, with six sites ranked in order of priority based on UFN/LFN representatives' evaluations and feedback. The tool's flexibility allowed for adjustments in parameters, addressing challenges such as computer processing speed and memory allocation.

The restoration tool's scope extends beyond immediate tasks, offering a collaborative approach to prioritize various restoration scenarios, accommodating community engagement and diverse restoration objectives. The tool's relevance extends beyond initial planning, establishing a baseline for monitoring ecosystem recovery efforts through repeated satellite scans. The ability to quantify progress through all restoration phases contributes to informed decision-making. This functionality of the tool is aligned with DFO's requirements for post-construction effectiveness monitoring from BW Gold's FAA conditions 5.1 and 5.3.

EcoLogic's innovative use trend analysis in Landsat time-series to identify environmental stress as disturbance coupled with use and application of the 'restoptr' software helped to guide and narrow down locations for offsetting sites that may help to reconnect disturbed and fragmented habitats. EcoLogic presents through this proposal, a comprehensive and flexible approach to ecological restoration planning including potential alternative offsetting locations for the Blackwater Gold project in accordance with the requirements in FAA Condition 6.3:

- Condition 6.3 is addressed in Section 1.2 Consultation and Section 1.3 Terms of Reference:
    - The Proponent will provide an opportunity to collaborate with the Lhoosk'uz Dene Nation and Ulkatcho First Nation on the development of the alternatives proposal.
    - A Terms of Reference (ToR) will be developed between BW Gold Ltd. Lhoosk'uz Dene Nation and Ulkatcho First Nation to guide development of the proposal.
- Condition 6.3.1.1 is addressed in Section 1.4 Criteria:
    - Screening criteria developed to assist in site selection.
- Condition 6.3.1.2 is addressed in Section 4.0 Field Verification and Section 5.0 Preferred Restoration Site:
    - A description of all offset options identified and considered including description of their technical and economic feasibility, potential benefit to fish and justification for options that are excluded.
- Condition 6.3.1.3 is addressed in Section 5.0 Preferred Restoration Site:
    - A detailed description of the proposed preferred offset alternatives including; the geographic coordinates of the location where offsetting measures may be implemented; a small-scale site plan identifying the general location and boundaries of the location where the measures may be implemented; a detailed description of the measures and how those measures may meet their objectives.
- Condition 6.3.2 is not applicable:
    - If the parties are unable to collaboratively identify preferred offset alternatives, the Proponent will provide a summary report of all options considered, including a description of technical and economic feasibility. The Proponent shall provide a written explanation detailing any views provided by BW Gold Ltd., Lhoosk'uz Dene Nation and Ulkatcho First Nation regarding each proposed offset alternatives.

This report describes the methods, results, and considerations for restoration prioritization for offsetting alternatives through integration of remote sensing data to quantify measures of environmental factors relevant to landscape ecology, habitat management, and inclusive restoration planning. It also summarizes the field verification of the potential alternative areas, and a description of the potential restoration opportunities at the preferred site, determined through the ground truthing, field-work exercise.

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1. OVERVIEW

Fisheries Act Authorization (FAA) 21-HAPC-01477 was issued to BWG by DFO in 2023 after two years of consultation and engagement including the submission of multiple offsetting sites due to the loss and alteration of fish habitat from mine infrastructure and development activities. Section 6.3 of the FA Authorization requires the development of offset alternatives in collaboration with Lhoosk'uz Dené Nation (LDN), and Ulkatcho First Nation (UFN). To facilitate collaboration, a terms of reference for the project was developed through a lengthy consultation process (Section 1.3), which included the development of criteria to be used for the modelling to identify alternative offsetting areas (Section 1.4). This report describes the modelling used to locate additional potential offsetting areas, a summary of the field verification of the potential areas, and a description of the potential restoration opportunities at the preferred site.

A workplan for identifying potential candidate alternative offset sites was presented to LDN and UFN January 17, 2023, and the formal proposal provided January 19, 2023, which included a restoration tool which integrates estimates into environmental indices derived from remote sensing satellites (e.g., Landsat and Sentinel-2). BWG sought feedback from LDN and UFN on the workplan; which was a recurring agenda item topic for discussion at several EMB meetings and ultimately the workplan was initiated by BWG to ensure adequate time was available to meet the regulatory timelines and not miss the field season due to the onset of winter. BWG executed the workplan in a staged manner to bring information back to the Nations at important junctures and to collaborate on next steps. These were:

- Computer modelling to create list of sites – kicked off in January 2023 and an interactive website provided to LDN and UFN showing possible alternative sites August 31, 2023. There were some delays in meeting to review the outputs of the modelling earlier due to parties being preoccupied with wildfire in the area in the summer.
- Finalizing the screening criteria – this activity started in January 2023 at an in-person meeting at the BWG office in Vancouver and wrapped up during a specific screening criteria meeting held in person in Vancouver on September 14, 2023, to be able to kick off the field work in October.
- Finalizing priority alternative sites to complete field work – a map of possible alternative offsetting sites was used during a targeted meeting on September 14th to determine which sites LDN and UFN preferred that BWG took to the next step of field work.
- Field work – BWG provided a field work plan to LDN and UFN on September 27, 2023, and offered an opportunity for LDN and UFN to participate. Both LDN (October 6, 2023) and UFN (October 4, 2023) EMB representatives confirmed that they supported having the onsite BWG environmental monitors from LDN and UFN participating on their behalf. The field work was completed between October 11-13, 2023.
- Reporting Back – BWG involved the onsite BWG environmental monitors from LDN and UFN in a follow-up EMB meeting on November 1, 2023, after completion of the field work and BW

Gold, Ecologic, and both LDN and UFN monitors provided their feedback on what the potential for offsetting might be at the new alternative sites. The LDN and UFN onsite monitors also provided their rotational monitoring reports to the LDN and UFN EMB representatives on October 13, 2023, and November 9, 2023.

1.1 PURPOSE

The purpose of this proposal is to determine if there are any potential alternative offsetting areas that meet the requirements of both FAA Condition 6.3 and the WMOP plan approval letter using the screening criteria (Section 1.4) developed by Blackwater Gold (BWG), LDN, and UFN. If an offset alternative is selected to be substituted for some or all of an existing approved offset site, then detailed surveys and mapping will be required to plan and design the project.

Fisheries Act Authorization 21-HAPC-01477 allows for the disturbance of in-stream and riparian habitat associated with the construction of the Blackwater Gold Mine. Condition 6.3 of the FAA addresses the requirements for offset alternatives, and is presented below:

> 6.3 An offset alternatives proposal will be developed by February 29, 2024. The Proponent will provide an opportunity to collaborate with the Lhoosk'uz Dené Nation and Ulkatcho First Nation on the development of the offset alternatives proposal. A terms of reference will be developed between BW Gold Ltd., Lhoosk'uz Dené Nation and Ulkatcho First Nation to guide development of the proposal.
>
> 6.3.1 The proposal must meet the following criteria:
>
> 6.3.1.1 Screening criteria developed to assist in site selection.
>
> 6.3.1.2 A description of all offset options identified and considered including description of their technical and economic feasibility, potential benefit to fish and justification for options that are excluded.
>
> 6.3.1.3 A detailed description of the proposed preferred offset alternatives including:
>
> - the geographic coordinates of the location where offsetting measures may be implemented.
> - a small-scale site plan identifying the general location and boundaries of the location where the measures may be implemented.
> - a detailed description of the measures and how those measures may meet their objectives.
>
> 6.3.2 If the parties are unable to collaboratively identify preferred offset alternatives, the Proponent will provide a summary report of all options considered, including a description of technical and economic feasibility. The Proponent shall provide a written explanation detailing any views provided by BW Gold Ltd., Lhoosk'uz Dené Nation and Ulkatcho First Nation regarding each proposed offset alternatives.

BWG was also required to develop a Wetlands Offsetting and Management Plan (WMOP) as part of its Environmental Assessment Certificate (EAC) – Condition 24. The WMOP was developed in Q4 2021 and after a thorough consultation process was approved by the Environmental Assessment Office (EAO) in February 2023.

The Wetlands Management Offsetting Plan (WMOP) was approved via signed letter from the EAO on February 14, 2023, and includes the following requirements:

1. *Engage in consultation with Lhoosk'uz Dené Nation and Ulkatcho First Nation to continue to evaluate Dykam Ranch as an offsetting option and consider other wetland initiatives as alternatives to fulfill the offsetting objectives of the plan.*

2. *Update the plan to make it more concise and ensure it contains the necessary prescriptions and steps for implementation and to facilitate enforcement.*

   Please revise the draft WMOP in consultation with Lhoosk'uz Dené Nation and Ulkatcho First Nation and the Ministry of Water, Land, and Resource Stewardship and resubmit to the EAO within one year of receipt of this letter, unless otherwise authorized by the EAO. As part of revising the WMOP, please respond to comments provided by all parties, including consideration of restoration methodologies at the Matthews Creek Ranch.

1.2 CONSULTATION

BWG submitted its final revision of the application for authorization under Paragraph 35(2)(b) of the Fisheries Act (Non-Emergency Situations) – Fish Offsetting Plan (FOP) to DFO and Indigenous Nations in March 2023. The FOP was approved by DFO, who issued an FAA in June 2023. The application included a Table of Concordance presenting the issues raised by LDN and UFN in their November 4, 2022 "Major Fisheries Concerns" document (Palmer 2023). The application also presents a detailed consultation record in Section 4 detailing all the consultation completed to collaborate on the development of the Fisheries Offsetting Plan (Palmer 2023). The detailed consultation record includes Table 4.1 which is a chronological history of engagement activities on the development of the FOP involving UFN and LDN dating from May 2017 during the EA phase of the project through to January 2023 (Palmer 2023).

BWG also submitted its final version of the EAC Condition 24 Wetlands Management and Offsetting Plan (WMOP) December 16, 2022. The application presented a detailed consultation record through a covering letter detailing all the consultation completed to collaborate on the development of the WMOP.

In response to BWG's March 2023 FOP submission, LDN and UFN continued to express their desire for BWG to continue to explore the possibility of identifying alternative fish habitat and wetland offsets within LDN and UFN territories. Consequently, EAO drafted their WMOP February 14, 2023 approval letter and DFO drafted Condition 6.3 to allow for the issuance of the FAA in June 2023 to continue to provide space for ongoing engagement between BWG, LDN and UFN to explore what alternative offsetting opportunities might be available within LDN and UFN territories.

Condition 6.3 requires that BWG provide the opportunity to collaborate with LDN and UFN on the development of the offset alternatives proposal and also to work with the Nations to develop a terms of reference. Figure 1.2-1 provides a flow chart of the key consultation with LDN and UFN on this report. Included with this proposal in Appendix A is a memo summarizing the consultation and in Appendix B is a detailed consultation record.

January 2023 Discussed Offsetting Alternatives in Person Kicked off remote sensing workplan	• January 26th - BW Gold facilitated a 1-day workshop including 32 attendees (in person and virtual) with participation from LDN, UFN and their consultants to discuss concerns on proposed offsetting locations and ways to move forward. Discussed screening criteria for identifying new offsets recognizing that the Nations were not entirely satisfied with the offsets in the Fisheries Habitat Compensation Plan (FHCP), Fish Offsetting Plan (FOP) and Wetlands Management and Offsetting Plan (WMOP). • The idea of a project charter for alternative fish and wetlands offsetting sites was discussed at the workshop to guide the identification of new sites. Also discussed was the use of techniology and satellite imagery to help identify potential sites for further investigation • After the workshop, BW Gold worked with consultants Ecologic to identify aerial imagery tools that could be used to identify change in vegetation and ecosystem health over time within LDN and UFN territories. This approach was presented to LDN and UFN at an EMB meeting and upon review this approach is supported.
February 2023 Letter from Artemis CEO Wetlands Plan is approved by EAO Ecologic continues with Remote Sensing Work	• February 9th - Artemis CEO provides letter to LDN and UFN leadership in regards to future collaboration on alternative fish and wetland offsets. • February 14 - EAO conditionally approves wetlands management and offsetting plan • Ecologic kicks off remote sensing work and regular updates are provided to LDN and UFN at EMB meetings. At the Feb 16th EMB meeting, Ecologic provides a comprehensive presentation on tools being used to create base disturbance mapping to which additional screening criteria could be applied to create a short list of alteranitve sites.
March -July 2023 Remote Sensing Base Maps completed Schedule 2 Amendment/MDMER is Approved Fisheries Act Authorization is issued to BW by DFO	• BW Gold, LDN and UFN and their consultants met over several months on a framework (charter) for identifying alternative fish and wetlands offsets, incorporating the parameters from BW Gold's February letter as well as screening criteria to drive the identification of new sites • Final draft of F&W's charter was provided to LDN and UFN on May 23, 2023 for final review. LDN and UFN reviews stalled due to wildfires, staff turnover and other priorities. BW Gold awaits comments. • June 15th - Environment and Climate Change Candada (ECCC) authorized BW Gold's Schedule 2 amendment request and Fish Habitat Compensation Plan (FHCP) • June 30th - DFO issued BW Gold a Fisheries Act Authorization including authorization of BW's Fish Offsetting Plan June 30, 2023. It contained a condition to develop an Alternative Offsetting Proposal (condition 6.3) aimed at identifying new fish offsetting sites in consultation with LDN and UFN and required BW Gold to submit it to DFO no later than February 29, 2024. The intent of Condition 6.3 is analagous to the intent of the framework/remote sensing work that BW Gold and the Nations had commenced. • Remote sensing base maps were delivered to the LDN and UFN as part of an EMB meeting August 31st.
August 2023 Confirmation of offsetting screening criteria Development of maps with potential sites	• August 3rd EMB meeting - Ecologic provides update to LDN, UFN and BW Gold, and modelling updates to be completed based LDN and UFN comments are discussed. • August 21 EMB meeting - LDN, UFN, BW Gold discuss urgency of agreeing on alternative fish and wetland offsets to review in the feld in order to meet FAA condition 6.3 and WMOP approval condition. Criteria are confirmed. • August 31 - An interactive website with the results of the remote sensing and the potential alternative offsetting sites based on confirmation of the criteria after the Aug 21 EMB meeting was developed by Ecologic and login credentials provided to LDN and UFN on August 31 to review the mapping. BW Gold requests that the Nations review the sites and prioritize based on interest in pursuing as potential alternative offsets.
September - October 2023 Prioritization of sites	• September 11 - A preliminary map is provided to BW Gold on behalf of UFN highlighting two (2) of the potential alternative sites that indicate preferred sites for UFN to further exploreSeptember 14 -BW Gold and LDN and UFN meet to review the potential alternative offsetting sites. LDN and UFN confirm their priortiy rankings for each of the 6 sites. • Ecologic completes reconnaissance visit of potential sites. Tatscha Lake site (south of site) harder site to access, important to both LDN and UFN. May have limited offsetting value due to limited salmonoid present. Northern sites would be P6 as not high priority for either nation. • September 26 - an email to LDN and UFN is provided by BW Gold confirming sites to be ground-truthed and selection criteria. • September 27 - a field work plan is provided to LDN and UFN outlining that the field work for alternative offsetting sites will take place from Oct 10-16
October - November 2023 Field Work Planning Field Work Preliminary Field Reporting by LDN and UFN Monitors	• October 6th - LDN and UFN both confirm their interest in having the site environmental monitors from each Nation (LDN and UFN) participate in the field work on their behalf. • Oct 10-13th - Field work is completed at the four (4) highest priority alternative offsetting sites (Van Tyne Creek/wetland complex, Creek 661, Johnny Lake/Fawnie Creek and Laidman Creek. The LDN adn UFN Environmental Monitors both participate in the field work. Oct 13 - The UFN environmental monitor provided his EM report (including the alternative offsetting field work summary) to the LDN and UFN Lands and Resources Reps. • Nov 1 - LDN and UFN site environmental monitors present their findings from the alternative offsetting work to the LDN adn UFN Lands and Resources representatives at an EMB meeting.. • November 9 - The LDN environmental monitor provided his EM report (including the alternative offsetting field work summary) to the LDN and UFN Lands and Resources Reps.

Figure 1.1-1. Simplified Consultation record for the development of the FAA Condition 6.3 Alternatives Proposal

1.3 Terms of Reference

The Fish and Wetlands Charter developed collaboratively with LDN and UFN is attached as Appendix C. This charter is considered to be a working terms of reference and was used to guide the development of offset alternatives. It is important to note that the charter contains additional information beyond the requirements of Section 6.3.

1.4 Criteria

The terms of reference for this project encompass several criteria that must be met by potential sites. As summarized in Section 1.0, the criteria were created through a series of meetings with BWG, LDN and UFN. Those criteria included:

- identification as to whether the potential offset area is on private or public land;
- identification as to whether the potential offset area is within UFN and/or LDN territory;
- whether the potential offset area can support colocation of fish and wetlands offsets (i.e., one area that covers both, taking an ecosystem approach to offsetting as has been proposed for Mathews Creek and Dykam Ranch);
- accessibility to the potential offset area (i.e., near an existing public road);
- whether the offset area is within the Capoose High Elevation Ungulate Winter Range Offsetting Area as defined in the Caribou Management Plan; and
- whether existing data on the potential offset area is currently available (i.e., no new study or data collection is required to assess the potential offset area).

In addition to the terms of reference, LDN suggested the following additional considerations for the final selection of potential additional offsetting sites prior to the field verification program. These criteria were used after the restoration modelling was completed to select the potential restoration sites:

- within 30 km of the mine site,
- crown ownership,
- territory overlap (areas that fall within the overlapping LDN/UFN territory should be prioritized),
- buffer from the Entiako Park to reduce future wildfire risk, and
- able to support both wetland and fish habitat.

In order to support the overarching requirement that restoration sites will provide a benefit to fish and fish habitat, the potential restoration sites are to be located within one kilometer of salmonoid bearing waters (based on provincial fish inventory data) because the development of the Blackwater project will impact rainbow trout habitat and waters and intersecting and adjacent wetlands that flow downstream into Kokanee-bearing fish habitat.

1.5 REMOTE SENSING OVERVIEW

This section provides a description of a digitally-based restoration tool used to identify potential alternative offset restoration sites. The 'restoptr' (Ecological Restoration Planning; (Justeau-Allaire et al. 2021, 2023a) R package was used to programmatically optimize a common restoration problem: where to direct restoration efforts given a set of priorities. There are few available and published programs or pieces of software that are specifically developed for establishing a restoration priority. However, there are other stand-alone programs that are used in planning reserve design or restoration site selection that could be used to expand to scope of inquiry into restoration planning options, but that was beyond the scope of our immediate task to select an approach that works for the restoration problem at Blackwater. The use of 'restoptr' also has the advantage that some of the functions in the software linked to the Choc Solver software for constraint optimization programming and other R packages, such as landscapemetrics.

EcoLogic processed and used remote sensing data to classify and map landscapes that were then used as 'restoptr' inputs to spatially inform restoration planning options for fish habitat. Our task was to identify where restoration actions are needed most (i.e., disturbed areas) while using a programmatic approach based on landscape theory to spatially solve for restoration gains of fish habitat and wetlands. Some locations may be more accessible, while other locations may result in larger habitat gains using less effort by simply connecting fragmented pieces together.

The 'restoptr' package requires digital maps as inputs. The maps contain information about the landscapes of interest in the restoration planning area. Three types of features need to be defined in the maps for the 'restoptr' functions to operate and calculate a restoration solution. These include:

1. **Unavailable for Restoration:** areas that cannot be restored, such as buildings or private land.
2. **Disturbed Areas:** areas that are disturbed and may need guided attention for restorative actions.
3. **Undisturbed Areas:** areas that have not been disturbed and do not show signs of environmental stress.

The program is designed to locate restoration sites by searching for areas that maximize priorities that are specified by the user. These priorities may be specified in one of two ways: 1) by weighting habitats in the mapping inputs (i.e., target only areas over overlap with a particular species, habitat type, or land feature), and 2) setting spatial constraints or preferred configurations within the software search parameters. For example, min-max size limits on selected patches or connecting patches across fragmented landscapes (cf., Jaeger 2000) are included in the options that can be adjusted by the user of the 'restoptr' software (Justeau-Allaire et al. 2023b).

EcoLogic processed and used remote sensing data to classify and map landscapes. These maps were then used as 'restoptr' inputs to spatially inform restoration planning options for fish habitat. We provide an introductory overview into the way that EcoLogic used the 'restoptr' package through multiple stages of data preparation and analysis. Our purpose was to identify where restoration actions were needed most

while spatially optimizing a solution for restoration gains of fish habitat and wetlands; the tool is flexible and can be used to model priorities for other creatures and their habitats.

EcoLogic derived some of the mapping products that were used in the 'restoptr' analysis from a large archive of remote sensing data, Sentinel-2 and Landsat. Satellite scans overlapping with the project area were processed to calculate and map estimates of vegetative biomass, using Sentinel-2, and disturbance, using Landsat. Landsat, managed by NASA/USGS, and Sentinel-2, part of the European Copernicus program, are Earth observation satellites. The recent Landsat satellites 8-9 offer 11 spectral bands with 15 to 100-meter resolution, each revisiting areas every 16 days, while Sentinel-2 boasts 13 spectral bands with 10 to 60-meter resolution and revisits every 5 days. Sentinel-2 provides more frequent revisits, slightly higher resolution in certain bands, and a broader spectral range, while Landsat offers a longer historical dataset and the return frequency is improved with the recent launch of Landsat 9 (Howe et al., 2022; Kabir et al., 2023).

In setting a priority for fish and wetlands, provincial data on fish streams and point presence were buffered and intersected with the vegetative layer. Disturbance areas were defined by trends of environmental stress (i.e., significant vegetation browning and soil moisture drying) over a ten-year Landsat timeline. Data for additional factors relevant to restoration decisions (e.g., infrastructure, land ownership) were used to further reduce the search effort by excluding areas outside the availability of restoration potential (e.g., buildings, private lands).

One of the advantages of the remote sensing analytical approach is that it provides mapping visuals of spatial patterns across landscapes. The maps can be used in presentations during the collaborative phases of restoration planning to show the patterns to the stakeholders. The maps help to ensure that all participants in restoration planning can be visually informed on what is being prioritized for discussions on the why and how. In the process of mapping landscapes, remote sensing can identify many features that are relevant to restoration planning (e.g., this area is disturbed, this area is not disturbed), which this section of the report describes in relation to the purpose and functionality of the restoration tool that was used.

The technology to process and interpret remote sensing data is changing rapidly. The information that is contained in different types of remote sensing outputs can quantify environmental data in new ways. However, caution is warranted as correlations may wrongly imply causal mechanisms in the relations between landscape pattern and ecological process. Causation is scale dependent where the time and space between cause and effect must overlap. The resolution of the remote sensing data in terms of pixel area and time between scans may not be sufficient to detect the relevant ecological relationships.

The arising technological and statistical approaches to mapping landscapes and ecosystems are complex. Nonetheless, information from scans outside of the visible light spectrum can be added into the analysis to quantify their spatial configurations and widen the search for potential for linkages to ecosystem process. A short primer on remote sensing maps and how the technology helps to quantify many of the geospatial metrics used in landscape ecology is given in this section of the report due to its unique applicability to restoration science and the restoration tool.

1.6 Remote Sensing Maps

Remote sensing data can be used to create a photorealistic image resembling a familiar and interpretable top-view of mountains, lakes, streams, forests, and grasslands. However, many of the maps created with remote sensing technology are built with scan data that is outside of what our eyes can detect. This data is then re-interpreted to create photorealistic views of such habitats by sampling across additional parts of the electromagnetic (EM) spectrum (Figure 1.6-1).

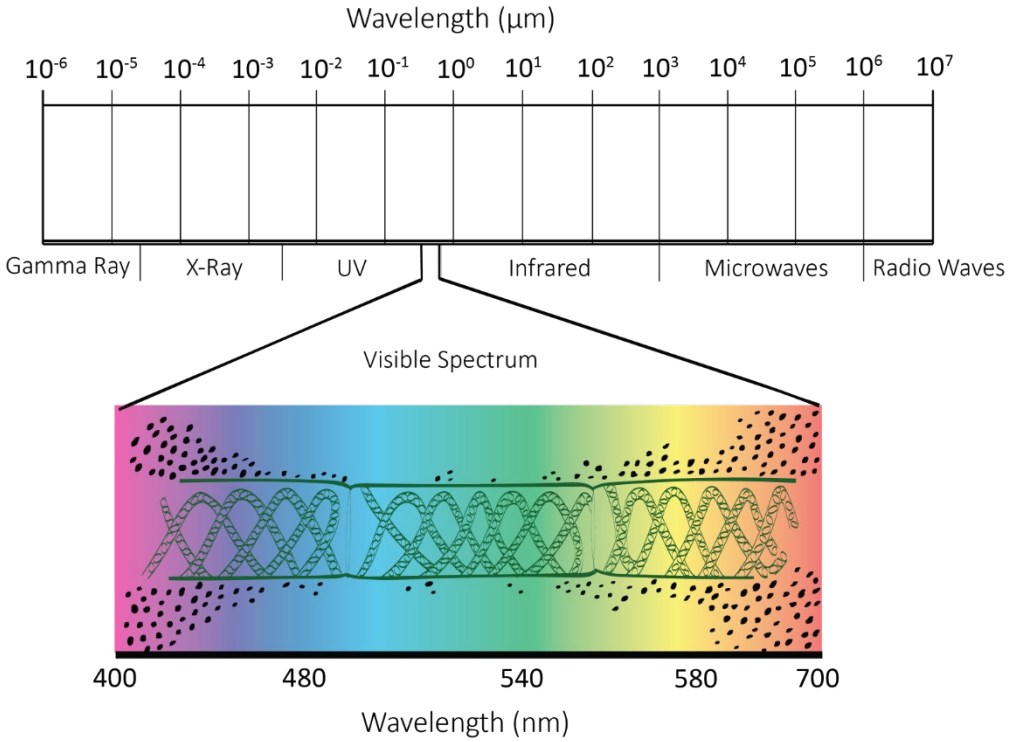


Figure 1.6-1. Illustration of the EM spectrum wavelengths (top) and an expanded view of the visible spectrum (bottom). The visible spectrum (bottom) is illustrated with filamentous green algae (the strings in the cells). The black dots represent aerotactic bacteria. This is an early form of environmental remote sensing, using a recreation of Engelmann's (1882) drawing, that informs on an important relationship between light energy and ecological processes.

Maps that look like a standard digital photograph are created by using the sensors that measure the visible wavelengths (red-green-blue; RGB). The reflectance and scan of the three visible colors (RGB) are combined to create a composite color image. The respective intensities of the reflected RGB wavelengths are measured by the satellite scanners and stored into digital archives of pixels. The pixels are organized into grids of rows and columns. Each pixel stores data about its location (lat / long) and the intensity of reflected energy sampled in different parts of the electromagnetic spectrum.

2. METHODS

2.1 STUDY AREA

EcoLogic's programming team developed software to process remote sensing data from many satellite scans over a large geographic area overlapping LDN and UFN territories, and other Dakelh, Uza'hne', keyah/keyoh areas (Figure 2.1-1). The satellite images were analyzed to map, interpret, and characterize the terrestrial and aquatic features within the scanned images that are relevant to habitat conditions, states, and types. The process leads to a characterization of aquatic and terrestrial features that are incorporated into the restoration planning process.

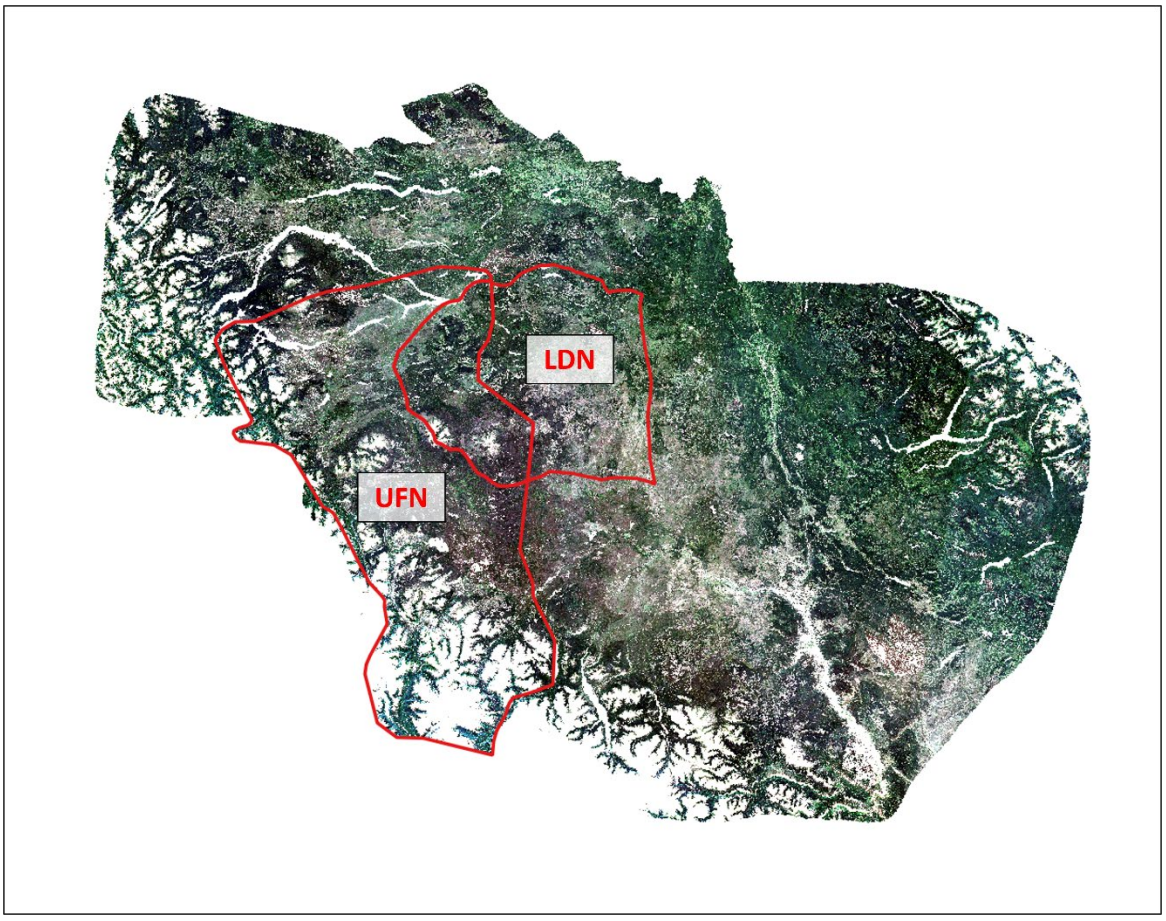


Figure 2.1-1. Red, Green, and Blue bands from Sentinel-2 composite imagery depicting the project area and the extents of Lhoosk'uz Dené Nation (LDN) and Ulkatcho First Nation (UFN) territories.

2.2 COMPUTING

We used the 'Siku' high-performance supercomputer cluster (HPC), which is part of the ACENET network (a partner consortium of the Digital Research Alliance of Canada), installed at Memorial University in St. John's, Newfoundland (ACENET 2023). Computer script was customized to break tasks down and run

functions in parallel within the HPC cluster for increased speed. We conducted most of the mapping and modelling using the R language for statistical computing (R Core Team 2022) and Python (Van Rossum and Drake Jr 1995).

2.3 Remote Sensing and Spatial Data Sources

Time-series and composite techniques were used to pre-process both Landsat and Sentinel imagery. Longer-term historical trends were analyzed with the Landsat data. Seasonal time ranges were used to select sets of Landsat and Sentinel-2 images to cloud-free pixels. Images within the growing season (May 1st to September 30th) were used to mosaic all the cloud-free pixels into a single image representing the seasonal pattern. The values in the cloud-free pixels were averaged into the composite seasonal image of the project area.

The hyperspectral capabilities of the satellites (e.g., near-infrared bands) were used to calculate vegetation indices (e.g., Enhanced Vegetation Index; EVI2; Figure 2.3-1). We used custom R and Python scripts to process and analyze remote sensing imagery. For Landsat we used pandas (), geopandas (), and numpy (). For Sentinel-2 data processing we primarily used the 'sen2r' (Ranghetti et al. 2020) and 'terra' (Hijmans 2023) packages.

In addition, we used several publicly available spatial data layers (Table 2.3-1) and imported them into R stats as shapefiles or raster images as required for processing. Specific data sources and how they are used by 'restoptr' to identify optimal restoration areas.

Table 2.3-1. A list of spatial data layers provided by the Government of British Columbia (DataBC 2023) that were processed for restoration modelling.

Dataset	Description
Known BC Fish Observations and BC Fish Distributions [link]	This point location dataset of fish observations is a regularly updated compilation of BC fish distribution information taken from a combination of all the official provincial databases including the BC Fisheries Information Summary System (FISS). Fish occurrences in this dataset represent the most current and comprehensive information source on fish presence for the province.
Freshwater Atlas Stream Network [link]	Flow network arcs (observed, inferred and constructed). Contains no banks, coast or watershed bourdary arcs.
Harvested Areas of BC (Consolidated Cutblocks) [link]	This dataset depicts historical cut blocks on all land owner types that are recorded in Ministry of Forest's system and includes an estimate of the year of harvest.
Forest Tenure Road Section Lines [link]	This is a spatial layer that reflects operational activities for road sections contained within a road permit.

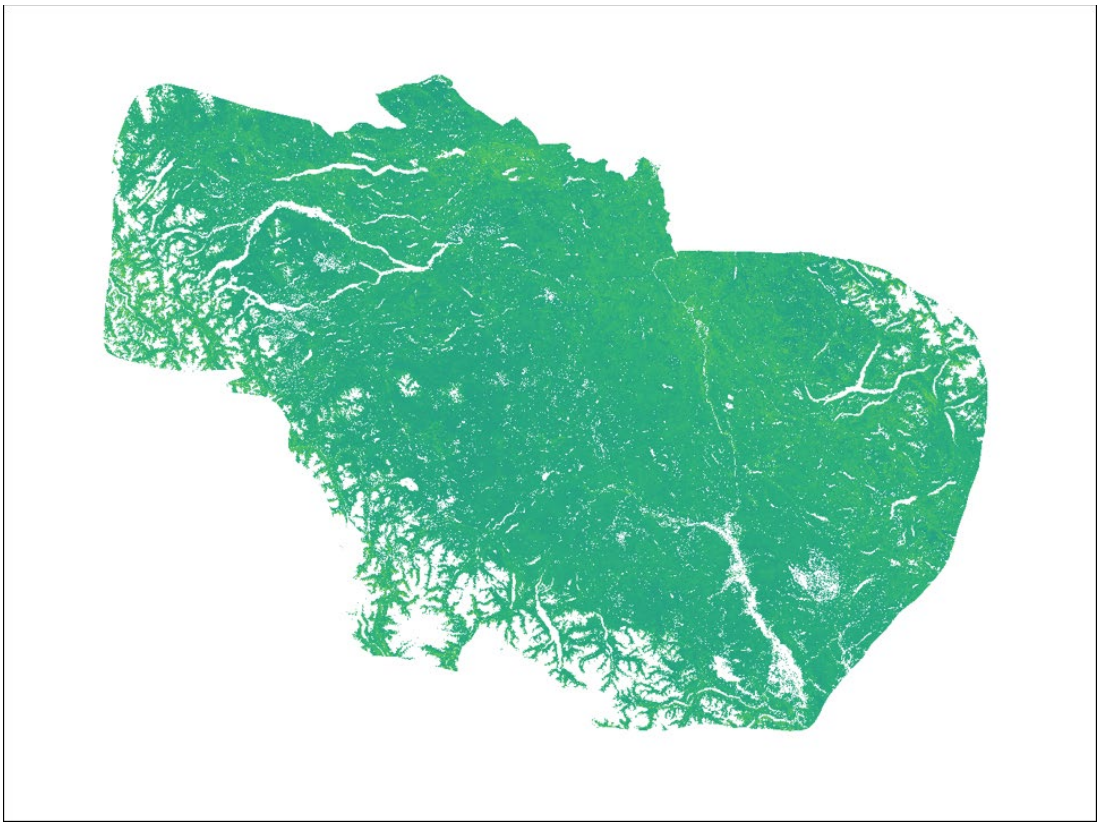


Figure 2.3-1. Enhanced Vegetation Index (EVI2) composite imagery based on calculations from Sentinel-2 bands.

2.4 Restoration Modelling

We used the 'restoptr' R package (Justeau-Allaire et al. 2021) for ecological restoration planning to programmatically search habitat restoration sites with an increased likelihood of connecting salmon habitat. The solution output includes the three mapped input areas with the addition of the restoration target areas solved in the analysis:

1. Unavailable for Restoration.
2. Disturbed Areas.
3. Undisturbed Areas.
4. Target Areas for Restoration.

Here we describe each of the data sources and how they are used by Restoptr to identify optimal restoration areas.

2.4.1 Unavailable for Restoration

Areas classified as unavailable for restoration are included in the Generalized Forest Cover Ownership Layer (Table 1; DataBC 2023). These include several types of Crown land (Caribou reserves, heritage sites,

local/regional parks, forest management units, etc.), Federal lands (First Nations, military reserves, Dominion, etc.), and private lands. We chose from these different ownership types to be available/unavailable for restoration in our analyses.

2.4.2 Undisturbed Areas

We downloaded BC Historical Fish Distribution points (Table 1; DataBC 2023) and subset the data to only include salmonid fish species (Table 2.4-1). We then placed a 1-km buffer around each point to be used as potential habitat. In addition, intersecting streams (with a 50 m buffer) and pixels with sufficiently high vegetation scores (EVI2 from Sentinel-2 remote sensing data) were included in the salmon habitat layer.

Table 2.4-1. List of salmonid species selected from Known BC Fish Observations and BC Fish Distributions (Table 1; DataBC 2023) points that were used to designate habitat in restoration models[1].

Scientific Name	Common Name	BC Fish Code
Oncorhynchus clarki	Cutthroat Trout	CT
Oncorhynchus clarki lewisi	Westslope (Yellowstone) Cutthroat Trout	WCT
Oncorhynchus gorbuscha	Pink Salmon	PK
Oncorhynchus keta	Chum Salmon	CM
Oncorhynchus mykiss	Rainbow Trout	RB
Oncorhynchus mykiss	Steelhead (Summer-run)	SST
Oncorhynchus nerka	Sockeye Salmon (Kokanee)	SK
Oncorhynchus tshawytscha	Chinook Salmon	CH
Salvelinus confluentus	Bull Trout	BT
Salvelinus fontinalis	Brook Trout	EB
Salvelinus namaycush	Lake Trout	LT

[1]Parameters also included: *Fish are either RB or CT, but suspect they are RB*, and *Fish are either DV or BT, but suspect they are BT*.

2.4.3 Disturbed Areas

We used Landsat remote sensing data to analyze trends in dryness and vegetation browning over a 10-year period (2012-2021) The raster data was stacked and prepared for trend analysis using the greenbrown package (Forkel and Wutzler 2015). The disturbed areas raster input for 'restoptr' is classified as pixels with significant browning or drying trends paired with the provincial cutblock data layer. As noted by Forkel and Wutzler (2015), NDVI values for bare ground and snow usually have NDVI values below 0.2. Therefore, the mean of pixels over the time-series (2012–2021) were calculated and all pixels with mean values below 0.2 were removed from the analysis. Disturbed areas that coincided with salmon habitat (identified in the previous section) were selected to be used as the final available restoration layer.

2.4.4 Target Areas for Restoration

Due to the large size of the project area, we split each of the input layers into a 4x4 grid and ran a separate restoration scenario in each tile that had sufficient 'available' (disturbed) habitat. We ran each restoration scenario by first establishing "restoration problems", which required the setting of several parameters including the minimum and maximum size (in hectares) of the resulting restoration targets. After several trials, we found that a minimum size of 25 ha and a maximum size of 1,750 ha allowed for the successful solution of restoration problems in each tile.

2.5 Field Verification

Field verification was completed at two levels: reconnaissance and detailed. The reconnaissance level included brief site checks throughout the potential areas to determine if the sites meet the project criteria (Section 1.4), including access, opportunities to restore or enhance fish habitat, and connectivity to existing functional habitat. As the modelling was focused on locating disturbed habitat in the vicinity of known fish bearing streams, all sites were also field checked for restoration opportunities in wetlands that were connected to, or in the direct vicinity of, the potential restoration sites.

Detailed assessments were performed at the preferred restoration sites that were found to have viable potential restoration opportunities. Field surveys of the preferred restoration sites were primarily based on an assessment of current and potential riparian function, in addition to considerations of access, construction feasibility and financial feasibility. The detailed assessments were designed to collect sufficient data to create preliminary site plans. Restoration potential forms were created to guide field verification (Figure 2.5-1 and Figure 2.5-2).

Riparian Function Restoration Potential					
Site Location					
Length of treatment area					
Width of treatement area					
Site Series					
Stand Structure					
Terrain Code					
Steam Type	headwater (S4-S6)	med (S2-S3)	Large (S1-S2)	bench position L M H	
Comments					
Woody Debris	Stream type appropriate (constrained / unconstrained	Recruitment potential	Recruitment Wood type (D/C)	Recruitment Age	Distance of recruitment wood from stream
Large Woody Debris					
Coarse Woody Debris					
Comments					
Bank Stability	Parent material adjacent to stream	Undercutting	Bank vegetation description		
Left Bank					
Right Bank					
Comments					
Shade Characteristics	Height vegetation within 30m of stream	Density of vegetation within 30m of stream	Fire within 30 m	Logging within 30m	
Left Bank					
Right Bank					
Comments					
Nutrient Inputs (small organic debris)	Vegetation description providing nutrient inputs (species, height, vigour, distance etc)				
Left Bank					
Right Bank					
Comments					
Wildlife Habitat Potential	Forage potential	Roosting potential	Denning potential	Stand structure comments	
Left Bank					
Right Bank					
Comments					

Figure 2.5-1. Riparian function restoration potential form.

Screening Site Assessment			
What is the potential for changes to peak strean flow?	low	medium	high
What is the potential for accelerated landslide activity?	low	medium	high
What is the potential for accelerated surface erosion?	low	medium	high
What is the potential for channel bank erosion and changes to channel morpholgy?	low	medium	high
What is the potential for further disturbance due to fire	low	medium	high
What is the potential for further disturbance due to human activities (cattle, logging, etc)	low	medium	high
What is the potential for riparian restoration ?	low	medium	high

Figure 2.5-2. Screening site assessment form.

3. MODELLING RESULTS

Many potential restoration areas were identified using various search iterations with the 'restoptr' software. The final selections were reduced to a total of eight potential restoration areas. These were discovered by narrowing the search effects to the area of intersection between LFN / UFN territories and within 30 km to the mine site. The eight selections (Figure 3-1) were presented to BWG, LDN and UFN for consideration, with the three with three northern sites grouped together and collectively called the Northern Sites. The sites were ranked by the UFN / LFN and are listed in their respective order of priority in Table 3-1. Table 3-2 indicates how each site matched the project criteria (note that none of the sites included the Capoose High Elevation Ungulate Winter Range Offsetting Area as it is in a high elevation area that does not contain fish habitat).

Table 3-1. Sites listed in order of priority by the UFN / LFN

Priority	Site	Priority	Site
1	Creek 661	4	Van Tine
2	Laidman Lake	5	Tatscha Lake
3	Johnny Lake	6	Northern Sites

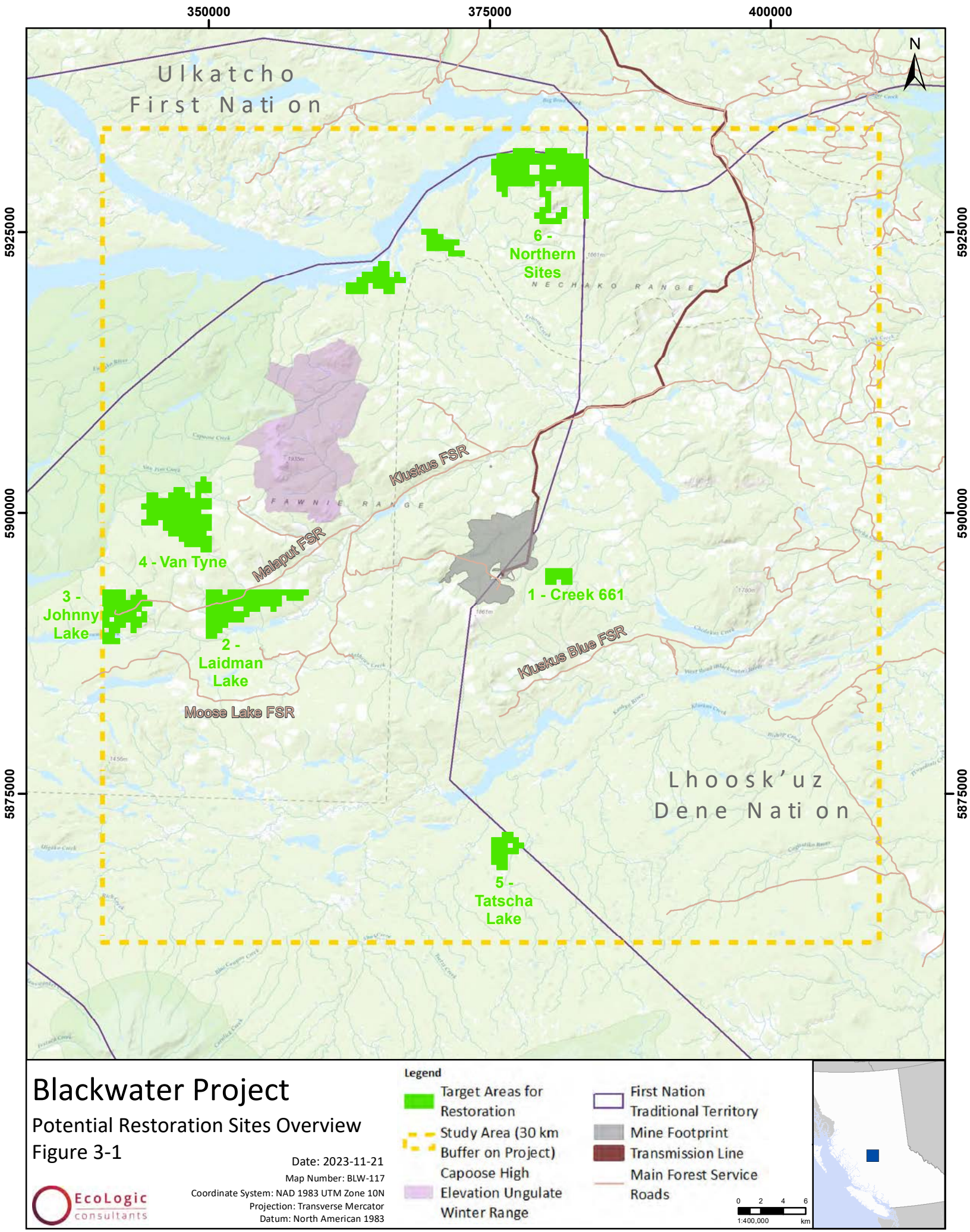
Table 3-2. Summary of modelling criteria for each site.

Site	Ownership	Territory	Fish Habitat and Wetlands	Accessibility	Capoose Winter Range	Existing Data Available	Distance from Mine Site
Creek 661	Crown	LDN	Yes	Existing road access	No	Yes	2 km
Laidman Lake	Crown	LDN/UFN	Yes	Existing road access	No	Yes	18 km
Johnny Lake	Crown	LDN/UFN	Yes	Existing road access	No	Yes	30 km
Van Tine	Crown	LDN/UFN	Yes	Existing road access	Adjacent	Yes	23 km
Tatscha Lake	Crown	LDN/UFN	Yes	Limited road access	No	Yes	21 km
Northern Sites	Crown	LDN/UFN	Yes	Existing road access	No	Yes	21-28 km

Each optimized restoration area was chosen to maximize connectivity with existing habitat and reduce fragmentation. The model results varied by adjustments to the three defined areas (1. Habitat, 2. Locked Out, 3. Available) and in adjustments made to the 'restoptr' parameter settings set for size, resolution,

connectivity, and relaxed constraints. Restoration solutions often converged onto the same potential sites when grids overlapped from different areas.

A close-up view of the Laidman Lake restoration site (Figure 3-2) is provided to illustrate the type and configuration of polygons in a resulting output. Note that the salmon buffered locations are marked as habitat in overlay with the disturbed areas. Similarly, streams buffered (circled S, Figure 3-2) increase the likelihood of connectivity between habitat patches in the search. The search algorithm of 'restoptr' is not designed to specifically target the salmon habitat with the approach we used, but the likelihood of selecting restoration sites that will connect into salmon habitat is increased. The use of the EVI2 index and not restricting site selection to one priority (fish) allows for wetlands to be invited into the solution. Vegetation indices, such as EVI2, are correlated with riparian ecosystems, including the ecological communities that population these areas, such as insects and birds (Rusnák et al., 2022).



Blackwater Project

Potential Restoration Sites Overview

Figure 3-1

Date: 2023-11-21

Map Number: BLW-117

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

Legend

- Target Areas for Restoration
- Study Area (30 km Buffer on Project)
- Capoose High Elevation Ungulate Winter Range
- First Nation Traditional Territory
- Mine Footprint
- Transmission Line
- Main Forest Service Roads

0 2 4 6

1:400,000 km

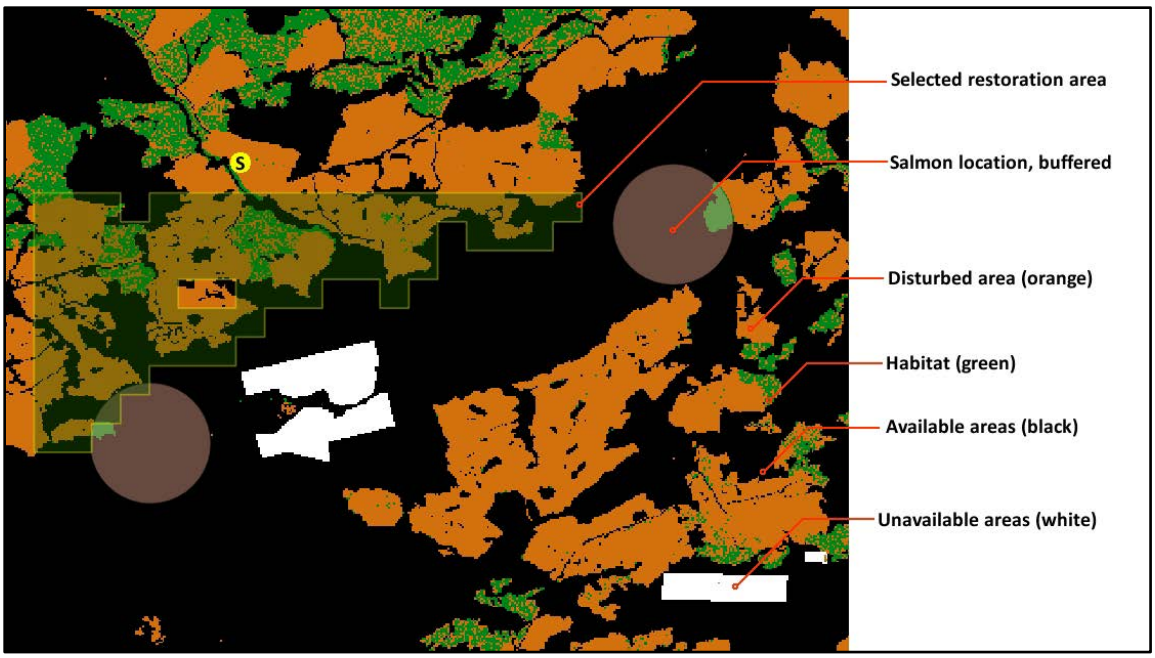


Figure 3-2. A scene from the 'restoptr' solution around Laidman Lake labelled with features. The yellow circled 'S' marks the linear green riparian habitat beside the stream that was buffered into the analysis.

The selected restoration area polygons have blocky perimeters (Figure 3-1) due to a 16X pixel aggregation. Resolution is aggregated to reduce memory requirements and increase the processing speed. Multiple iterations of the restoration problems are solved and reviewed by changing tiles, areas, resolutions and 'restoptr' parameters. Ranges on maximum and minimum restoration area thresholds and other spatial search parameters can be adjusted to review different outcomes. Producing a range of options for potential restoration sites (Figure 3-1) adds to the planning process where field surveys and finer resolution mapping with remote sensing can be used to give more context and site-specific details on the potential. Additionally, field surveys also provide a check on how well the modelling process identifies locations that meet the objectives.

EcoLogic processed and prepared additional data sets to make the restoration tool flexible for the restoration planning process. Raster disturbance layers for roads, fires, and pest outbreaks were pre-processed but were not run for scenario evaluation that the restoration tool offers. Additional forest cover spatial data is also available from statistical models on forest type (coniferous, broadleaf, or mixed), size, age class, and stem density using BC Government ecosystem plot data that was utilized as a variable training set.

The restoration tool was designed to facilitate restoration planning for opening discussion on which land features should be prioritized using the science of landscape ecology and modelling scenarios. EcoLogic wrote and developed the statistical scripts for characterizing remote sensing data that makes up the core functions of the restoration tool that can be used in complementation with 'restoptr' and other types of landscape metric software for establishing priority (e.g., "Prioritizr"; see Finn et al., 2023; Hanson et al.

2019). The methods used in this restoration study are based on the same approaches used to model habitat suitability for fish and other organisms. For example, the EVI2 estimate (Figure 2.3-1) is also commonly used as an explanatory variable for estimating habitat suitability for species generally. Modelling fish habitats also uses the same statistical techniques (e.g., Generalized Additive Modelling; see Alcaraz-Hernández et al., 2016; Pedersen et al., 2019) that EcoLogic developed in this project. The software could just as easily set the priority to amphibian habitats, traditional areas, or other conditions decided in collaboration for picking of restoration areas modelled according to the value inputs.

3.1 CHALLENGES

Computer clusters greatly improve processing speed by leveraging many processors and large amounts of memory to allow computation in parallel. The HPC technology helped us to process large volumes of data and compute complicated restoration models. However, even with cluster computing, processing each iteration often requires several hours or even days of computer time. Many of the challenges and limitations that we faced in programming the restoration tool included problems with memory allocation and processing thresholds were met despite HPC parallel processing capabilities where solutions could not be found.

Additional restoration priorities can be studied with the restoration tool. Buffering fish points may have only marginally increased the likelihood of selecting salmon habitat in the restoration priorities identified in this study. Modelling fish habitat can be achieved and brought forward into the restoration modelling and spatial prioritization process that may improve on this likelihood. These modelling techniques are reliant upon field data collection that can be costly but informative. However, there are unresolved ecological questions about prioritizing species richness over ecosystem function or fragmentation over area (Fahrig, 2021; Hanski, 2015; Justus & Wakil, 2021). These issues can be studied with the restoration tool, but the scope is beyond the immediate task of selecting provisional sites that can be reviewed in planning discussion and collaborations, such that all available information is presented clearly.

Different arguments can be made to strategically select restoration sites that will increase connectivity of disturbed sites to undisturbed habitats (Justeau-Allaire et al. 2023b[1]). Hence, the decision may be made to prioritize connectivity over fragmentation or fewer large areas over many small areas. There are different types of landscape metrics that can be selected in the 'restoptr' heuristics. In this study we focused on landscape metric called "effective mesh size", which is equal to the probability that two random points will be connected in a landscape or it is the amount of habitat that is accessible to an individual in the landscape. The 'restoptr' package (Justeau-Allaire 2023b) includes several other types of landscape metrics that can be used. Groups of pixels in the disturbance areas are modelled for economical solutions that either minimize or maximize the spatial objectives, including connectivity, area, and number of planning units.

[1] Reviewed by the authors of the 'restoptr' package in their training vignette: https://cran.r-project.org/web/packages/restoptr/vignettes/restoptr.html

3.2 LIMITATIONS

While the information in the scans provides evidence of features in the landscape, careful interpretation of the data is required. There are gaps in how often the satellites scan the earth's surface and the resolution in the data must be characterized to represent what exists on the ground while also connecting pattern to process across scales that are tested for physical causal linkages that may be implicated in a statistical correlation. Visible light, for example, can be used to take photos of interpretable images of trees, grasslands, lakes, streams, and mountains from space. However, at smaller scales, below the trees, in soils, and under water exist smaller creatures and micro-ecosystems smaller than the average resolution of a satellite scanner.

The challenge of scale is not restricted to the science of remote sensing and there may be an advantage by scanning in different wavelengths that can give more information on the properties of the landscape features being scanned, such as temperature or moisture. This opens the pathway for alternatives to the binary type of modelling used here (Figure 3-2), such as friction surface (Gustafson, 2019) or individual based modelling. As the technology and modelling techniques become more sophisticated, the programmatic approach with spatial mapping can also be used to facilitate a collaborative approach in setting restoration priorities. It offers an evidence-based approach to weight the options during planning and discussions. The process is made collaborative by the combination of the mapped outputs so that others can visualize what is in the landscape and where the proposed actions are being directed. It is also made collaborative by enabling different types of scenarios that can be run and cross-compared with different types of targets and priorities that may be voiced and established through community, restoration working group, and First Nations engagement.

3.3 ADVANTAGES OF REMOTE SENSING

The Landsat time series analysis for disturbance using wetness and drying is a novel approach. Additional exploration of the method is warranted that could improve on the simplification we adopted in marking harvested areas as disturbed. Restoration requires an understanding of the history of a site and how it connects into a landscape that is incredibly complex, which is one of the great advantages of remote sensing technology. Numerous ecological processes are sustained by billions of interactions between organisms on the move and in their environments in ways that are unpredictable and scale dependent. Given the complexity and challenge of understanding how natural ecosystems function, it is reasonable to infer that we should connect disturbed sites with undisturbed sites to assist in the process of ecosystem recovery. Hence, EcoLogic set this as a priority for restoring fish habitat.

The restoration tool that EcoLogic developed for this project is not just relevant to the initial phases of restoration planning. In this phase of its use, EcoLogic identified potential optimal targets for fish habitat where we may direct efforts (e.g., replanting, weed control, rehabilitation, bioengineering). However, the tool also establishes a baseline for monitoring the efforts in context of the broader landscape and can be used to organize restoration efforts through all phases of ecosystem recovery. The advantage is in the

repeated sampling of satellite scans to monitor and quantify the process and effects of ecosystem recovery efforts.

The restoration tool we developed can be used to establish priorities in multiple ways. The 'restoptr' package is similarly flexible, allowing various types of spatial data inputs and specified restoration priorities to guide the restoration optimization modelling. However, it is important that the analytical packages drive or constrain the planning options (Gustafson 2019). The customized R and Python scripting was developed for flexibility by preparing script and mapped outputs of landscape metrics that applicable to landscape ecology (e.g., spatial heterogeneity; see Rocchini et al., 2021). It is a scenario building tool that targets the desired priority (e.g., disturbed fish habitat) using different geometric measures of landscape structure representing connectivity between patches and fragmentation.

Once broad areas are identified (i.e., areas of environmental stress or disturbance) efforts to narrow down the list of potential target locations may require consideration for locations that are more accessible (e.g., near a road), while other locations may result in larger habitat gains using less effort by simply connecting fragmented pieces together. Remote sensing applications can be used to quantify progress through all phases of restoration planning, from baseline to closure.

4. FIELD VERIFICATION

Field verifications of the potential restoration sites were completed in September and October of 2023. On September 10 and 11, 2023 (Table 4-1), EcoLogic completed a reconnaissance trip of Laidman Lake, Johnny Lake, Van Tine Creek, and the three northern sites. The reconnaissance trip was focused on determining if the sites were accessible, gaining initial impressions as to restoration potential, connections to wetland habitat, and collecting drone imagery when possible. The reconnaissance trip determined that the Northern Sites were accessible but had limited restoration potential that met the proposal criteria, and additional field surveys were not recommended.

From October 11-13, 2023, ecologists and soil scientists from EcoLogic were joined by a representative from BWG and environmental monitors from LDN and UFN designated to attend on behalf of the LDN and UFN Lands and Resources representatives. Site visits were completed at Creek 661, Laidman Lake, Johnny Lake and Van Tine Creek to determine if they were viable restoration sites. Additional time was spent at the Johhny Lake site to collect plot level data from riparian areas along Fawnie Creek, Johnny Lake, and an upland wetland complex.

Table 4-1. Location and field surveys dates for each potential restoration site.

Priority	Site	Coordinates (UTM 10, NAD 83)	Field Verification	Field Verification Level
1	Creek 661	381165E 5894307N	October 12, 2023	Reconnaissance
2	Laidman Lake	353191E 5891565N	September 10, 2023, and October 13, 2023	Reconnaissance
3	Johnny Lake	339876E 5889368N	September 10, 2023, and October 11-13, 2023	Reconnaissance and detailed.
4	Van Tine	347320E 5899613N	September 10, 2023, and October 11, 2023	Reconnaissance
5	Tatscha Lake	376263E 5869592N	No field verification	No field verification
6	Northern Sites	370598E 5923564N	September 11, 2023	Reconnaissance

4.1 CREEK 661

The Creek 661 site (Figure 4.1-1) was assessed on October 12, 2023. The disturbed areas near Creek 661 consisted of a replanted cut block with dense lodgepole pine (Plate 4.1-1), and an intact forested area adjacent to the creek, wetlands and small pond (Plate 4.1-2). There were no viable restoration or enhancement opportunities found at this site that would benefit fish habitat or wetlands. A potential instream enhancement was observed near the site, as several old failing culverts were noted, but they were not appropriate for the purposes of this project.

Blackwater Project

Potential Restoration Sites:

Creek 661

Figure 4-1

EcoLogic consultants

Date: 2023-11-21

Map Number: BLW-120

Coordinate System: GCS WGS 1984

Datum: WGS 1984

Legend

- Target Areas for Restoration
- Mine Footprint
- Forest Service Roads

0 150 300 450 600

1:25,000 Meters

Plate 4.1-1. Replanted cut block near Creek 661.

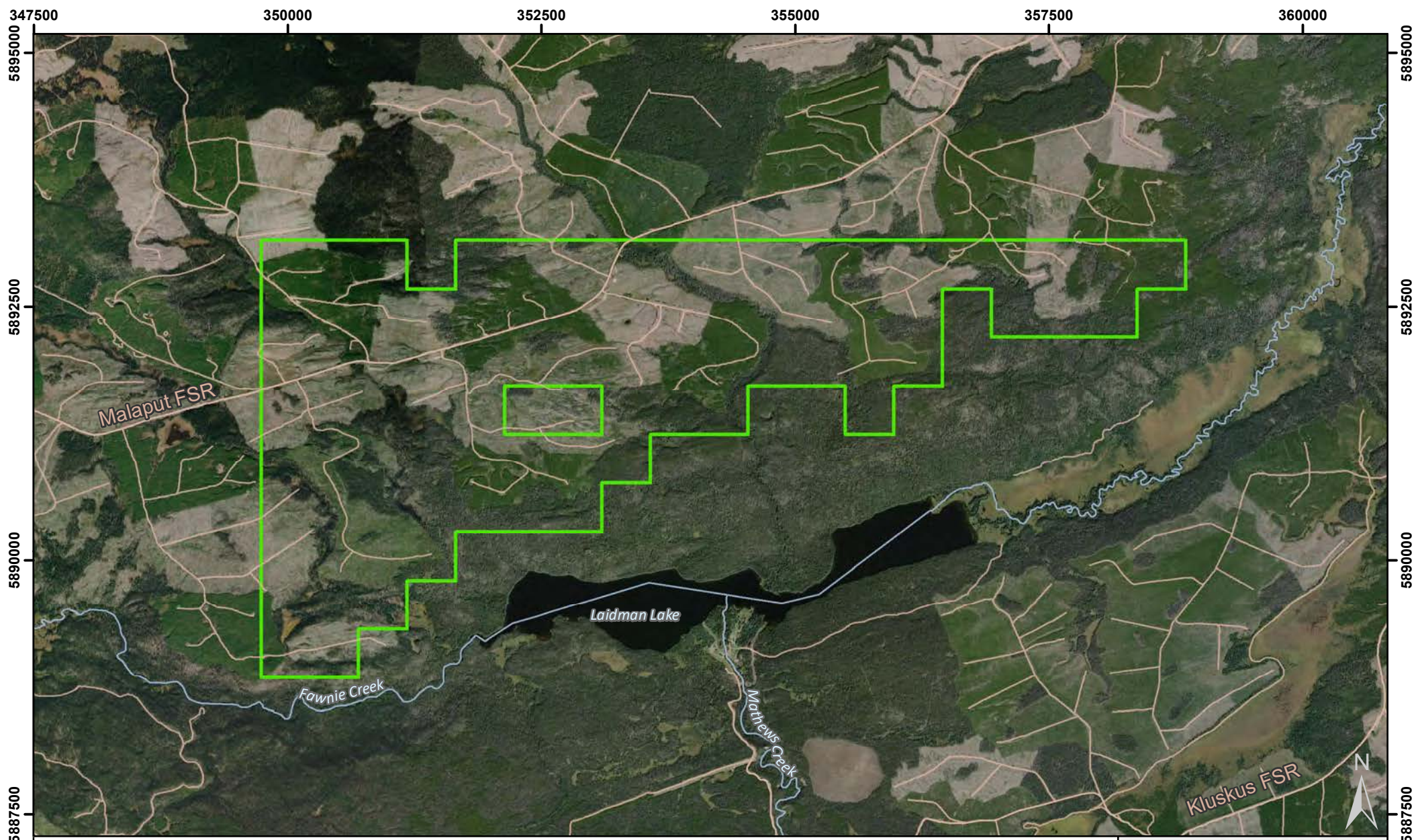
Plate 4.1-2. Forested buffer along an unnamed pond at the Creek 661 site.

4.2 LAIDMAN LAKE

Laidman Lake site was assessed on September 10 and October 12, 2023. The field assessment and air photo interpretation did not locate any restoration sites that are in the immediate vicinity of known or

potential fish habitat or wetlands (Figure 4.2-1). The primary disturbance in the area is forestry (Plate 4.2-1) and associated road building, and the large 2014 fire did not burn close to the lake or larger fish bearing streams.

Plate 4.2-1. Recently logged areas upslope of Laidman Lake.



Blackwater Project

Potential Restoration Sites:

Laidman Lake

Figure 4.2-1

Date: 2023-11-21

Map Number: BLW-119

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

Legend

- Target Areas for Restoration
- Forest Service Roads
- Streams

0 0.25 0.5 0.75 1

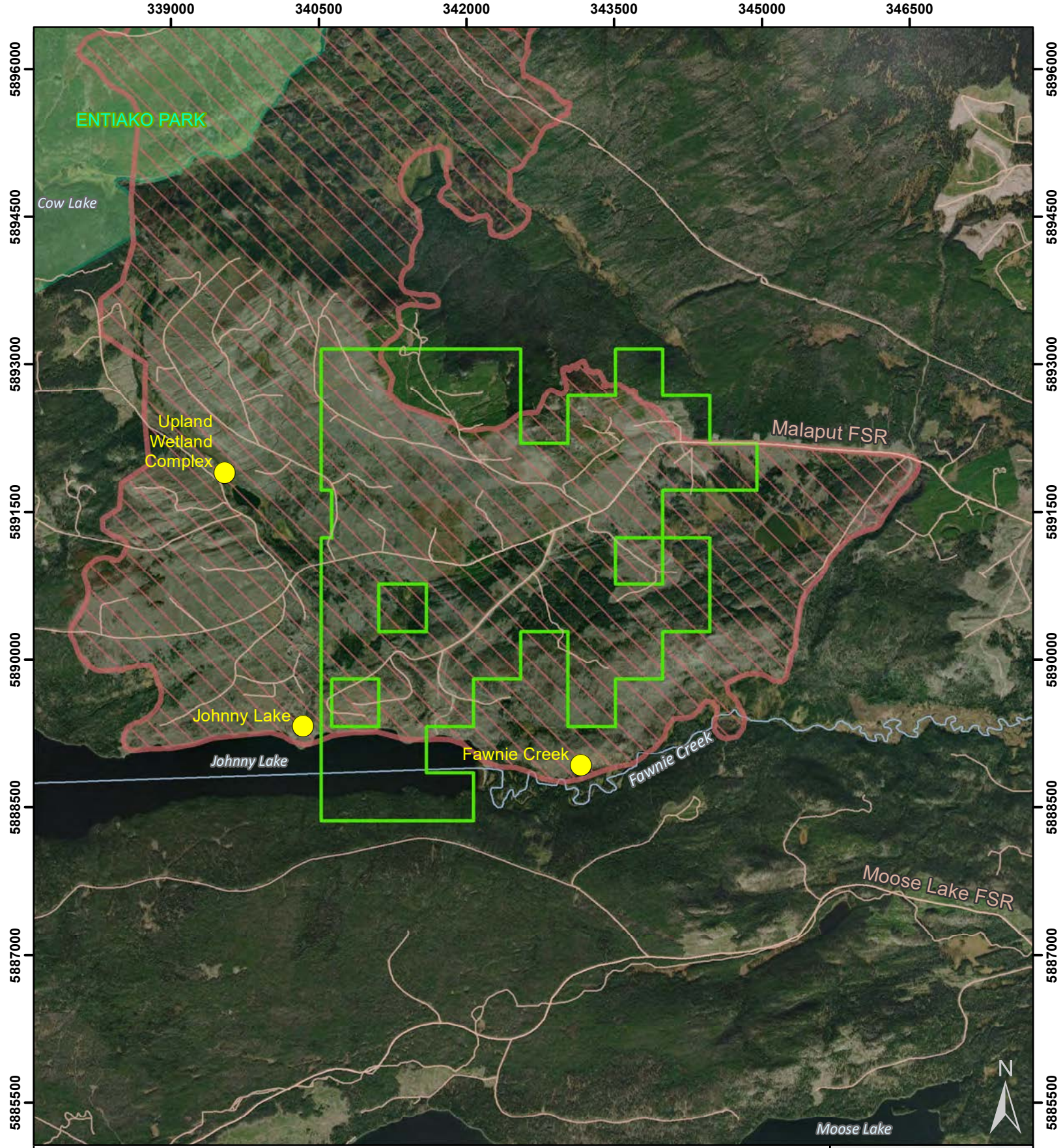
1:50,000 Km

EcoLogic consultants

4.3 JOHNNY LAKE

The Johnny Lake site was assessed on September 10, and October 11-13, 2023. Three distinct areas were assessed: Fawnie Creek, Johnny Lake, and an upland wetland complex (Figure 4.3-1).

These areas were part of the intense 133,000-hectare 2014 fire (R10070) that burned through much of the Johhny Lake area. The landscape around Johnny Lake is highly fragmented with the remnants of burnt stands, salvage and other logging activities and associated roads. While natural regeneration and planted areas are growing well in many places, exposed soil, erosion and altered drainage patterns were observed.



Blackwater Project

Potential Restoration Sites:
Johnny Lake

Figure 4.3-1

Date: 2023-11-27
Map Number: BLW-122
Coordinate System: NAD 1983 UTM Zone 10N
Projection: Transverse Mercator
Datum: North American 1983

EcoLogic consultants

Legend

- Restoration Sites
- Target Areas for Restoration
- 2014 Forest Fire Boundary
- Provincial Park
- Forest Service Roads
- Streams

0 0.25 0.5 0.75 1
1:50,000 Km

4.3.1 Fawnie Creek

A small portion of riparian area and lower slope on the north side of Fawnie Creek was assessed for restoration potential (Plate 4.3-1). This site is close (three kilometers downstream) to a 2013 fish sample point completed for the Blackwater Project that found adult Kokanee (*Oncorhynchus nerka*) in Fawnie Creek, along with numerous other species including Rainbow trout (*Oncorhynchus mykiss*).

The riparian area included a variety of ecosystem types, including Fl02 Mountain alder – Red-osier Dogwood – Lady fern low-bench floodplain, Ws07 Spruce – Common horsetail – Leafy mosses swamp, and Sub Boreal Pine Spruce moist cold subzone (SBPSmc) 01 Pl – Feathermoss - Cladina and 05 Sxw - Horsetail sites series along the toe of the slope. While patchy lodgepole pine and shrub regeneration is occurring on the slope, large areas of exposed soil and limited herbaceous vegetation are present (Plate 4.3-2). A portion of floodplain and the immediate edge of Fawnie Creek have limited regeneration and exposed soil (Plate 4.3-3), although high beaver activity is influencing the site. The site assessments found that Fawnie Creek contains areas suitable for restoration that will benefit fish and fish habitat.

Plate 4.3-1. Drone image of Fawnie Creek showing the large burnt area on the north side.

Plate 4.3-2. Patchy lodgepole pine regeneration on the burnt slope above Fawnie Creek.

Plate 4.3-3. Exposed soil and limited riparian vegetation on the edge of Fawnie Creek.

4.3.2 Johnny Lake

The Johnny Lake site includes 3.8 km of riparian area and lower slopes on the northeast corner of Johnny Lake where it meets Fawnie Creek. The targeted area is dominated by early successional post-fire and

logging regeneration, with small patches of young to mature forests in gullies and wetlands. Exposed soil and large amounts of standing and fallen woody debris are very common. Tree regeneration in the burnt areas is limited and patchy, and there is very little tree cover along the edge of Johnny Lake (Plate 4.3-4). An old fire guard and sedimentation from gully erosion was observed on the lower slopes (Plate 4.3-5 to Plate 4.3-7), and the combination of steep slopes and limited vegetation cover on much of the slope immediately above the lake indicates that continued erosion and sedimentation into the lake is common.

The riparian zone along Johnny Lake is expected to develop into Ws07 Spruce – Common horsetail – Leafy mosses swamp, with SBPSmc 0505 Sxw - Horsetail sites series along the toe of the slope. The steep lower to mid slopes contain SBPSmc 01 Pl – Feathermoss - Cladina and 03 SbPl – Feathermoss site series, with the potential for small areas of 02 Pl – Kinnikinnick – Cladonia to occur on upper, dry slopes of coarse glaciofluvial material.

There are numerous potential restoration activities, mainly involving revegetation and slope stabilization, that could occur on this site that would benefit water quality and fish habitat.

Plate 4.3-4. Steep slope above Johhny Lake with abundant woody debris and little tree regeneration.

Plate 4.3-5. Drone image of an old fire guard at Johnny Lake.

Plate 4.3-6. Drone image of an eroding gully at Johnny Lake.

Plate 4.3-7. Drone image of one of the stream gullies and alluvial fan at Johnny Lake.

4.3.3 Upland Wetland Complex

The large wetland complex upstream of Johhny Lake is roughly two kilometers in length within a long, narrow valley (Plate 4.3-8 and Plate 4.3-9). The complex has multiple wetland classes including bog, fen, swamp, marsh, and fed by numerous small ephemeral streams from the adjacent slopes. Most of the complex has a narrow buffer of both live and dead stands of trees (Plate 4.3-10) between extensive logging, post-fire salvage, and upper slopes impacted by wildfire. The wetland complex is showing multiple signs of stress, mainly related to a drying trend as indicated by the ingrowth of pine into the complex and evidence of persistent low water levels (Plate 4.3-11).

Wetland types known or expected to occur within the complex include:

- Wb00 – unclassified black spruce bog (could not be classified due to fire disturbance),
- Wf01 Water sedge – Beaked sedge fen,
- Wm01 Beaked sedge – Water sedge marsh,
- Ws07 Spruce – Common horsetail – Leafy moss swamp, and
- Ws00 – unclassified willow swamp (could not be classified due to time of year the site was assessed).

The lower slopes of the valley on either side of the wetland complex likely include SBPSmc 01 Pl – Feathermoss - Cladina and 05 Sxw - Horsetail sites series, with the potential for additional moist and wet forested units to occur.

The wetland complex and associated ponds and streams are not known to contain fish. There are several restoration projects that could improve wetland function, including hydrological function, habitat function, and ecosystem function.

Plate 4.3-8. Drone image looking north from the south end of the wetland complex.

Plate 4.3-9. Drone image looking north from the middle of the wetland complex.

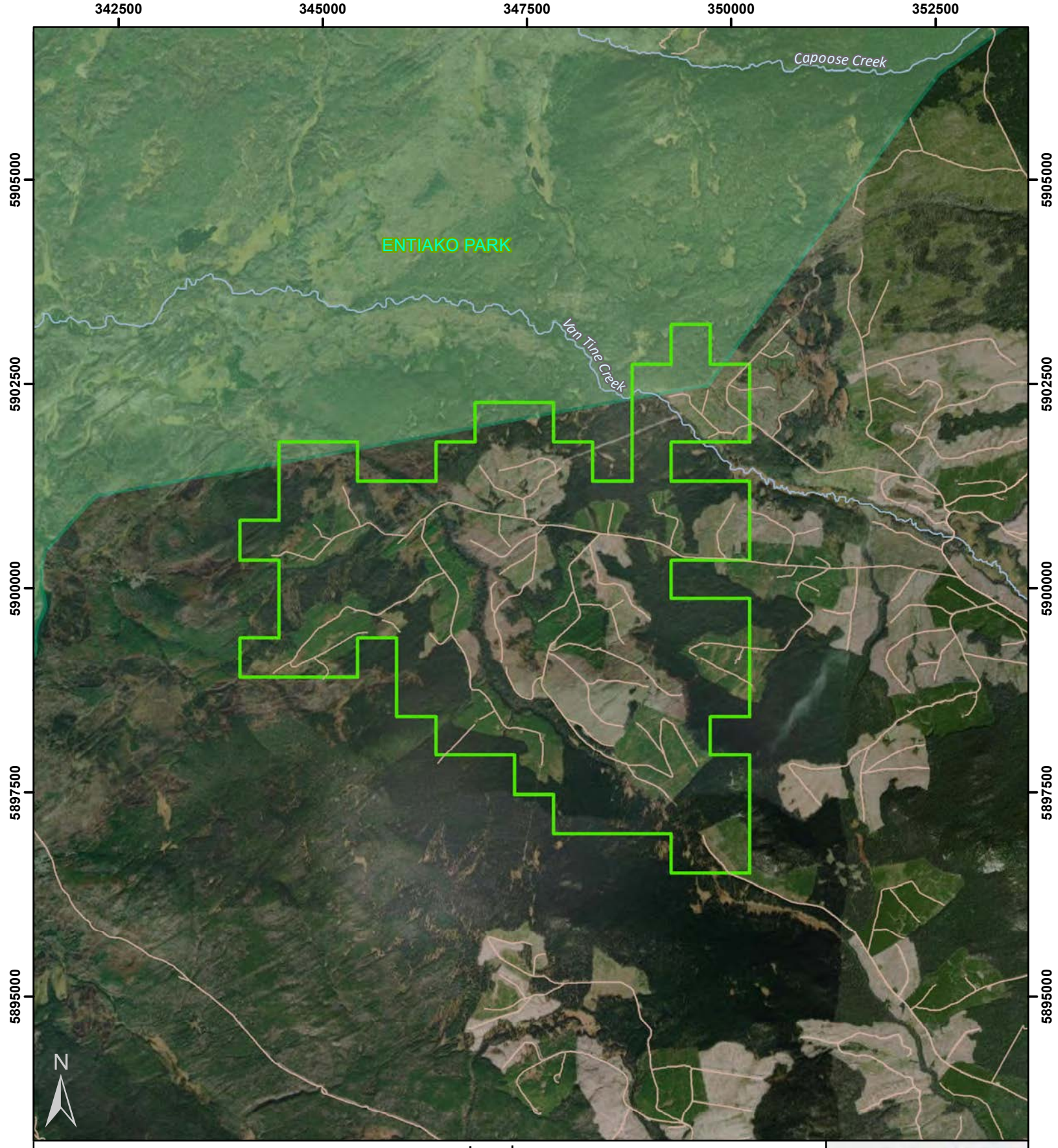
Plate 4.3-10. The riparian area around the pond dominated by dead trees and woody debris and lacking significant conifer regeneration.

Plate 4.3-11. Recovering spruce bog in the southern portion of the wetland complex.

4.4 VAN TINE

The Van Tine site was assessed on September 10 and October 12, 2023. This site is located on the edge of Entiako Park and at the base of Fawnie Peak and the Capoose High Elevation Winter Caribou Range (Figure 4.4-1). The Van Tine area is highly fragmented from historic and current logging, roads, and large forest fires, in addition to old mine exploration roads and drill sites on Fawnie Peak. While impacted by adjacent use, Van Tine Creek appears to have a largely intact and functional riparian area (Plate 4.4-1), including large wetland complexes (Plate 4.4-2). The majority of the logged areas are replanted, with little exposed soil or non-vegetated areas.

There are no riparian restoration sites that will directly benefit fish or fish habitat located in the Van Tine area. No significant areas of degraded wetlands were observed.



Blackwater Project

Potential Restoration Sites:

Van Tine Creek

Figure 4.4-1

Date: 2023-11-21

Map Number: BLW-121

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

Legend

- Target Areas for Restoration
- Provincial Park
- Forest Service Roads
- Streams

0 0.25 0.5 0.75 1

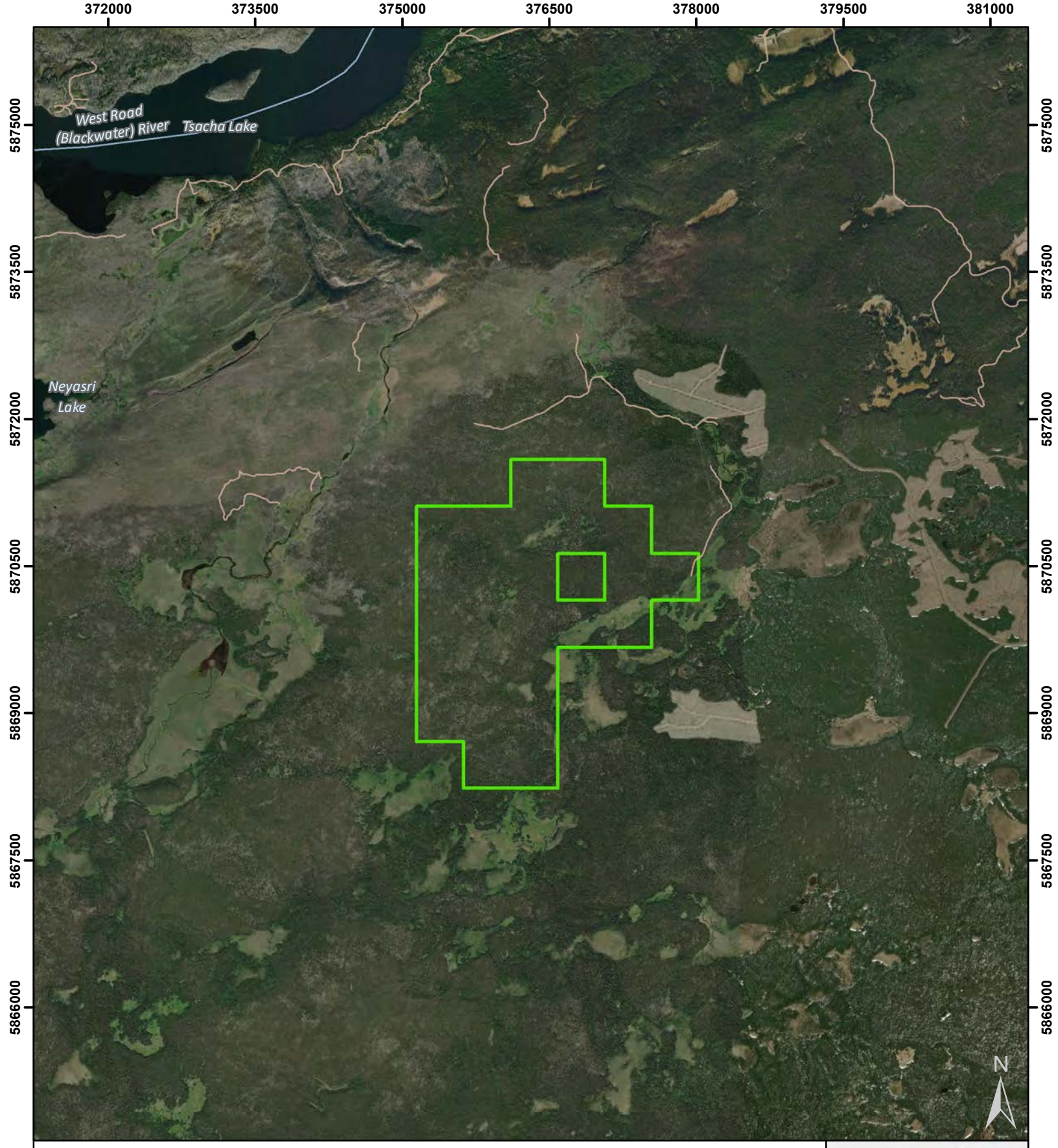
1:60,000 Km

Plate 4.4-1. Blue-listed Wf11 Tufted clubrush – Star Moss fen along Van Tine Creek with replanted cut blocks above.

Plate 4.4-2. Large functional culvert on Van Tine Creek with intact riparian vegetation on both sides.

4.5 TATSCHA LAKE

A site visit to Tatscha Lake was not completed as it was determined from aerial imagery and base data that the site has limited restoration potential as the disturbed areas are not located in direct vicinity to fish habitat or disturbed wetlands (Figure 4.5-1).



Blackwater Project

Potential Restoration Sites:

Tatscha Lake

Figure 4.5-1

Legend

- Target Areas for Restoration
- Forest Service Roads
- Streams

0 0.25 0.5 0.75 1

1:50,000 Km

Date: 2023-11-21

Map Number: BLW-123

Coordinate System: NAD 1983 UTM Zone 10N

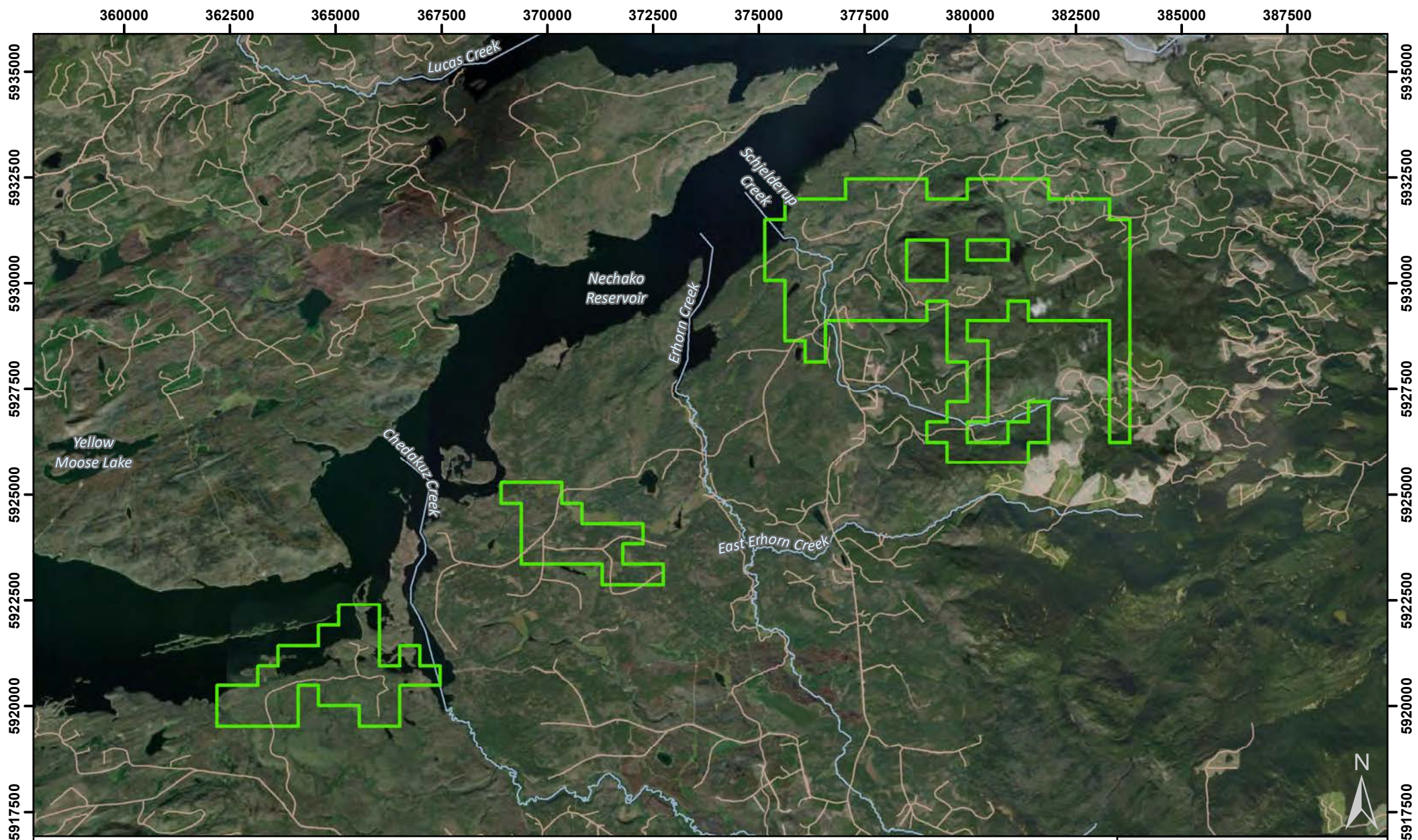
Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

4.6 NORTHERN SITES

The three northern sites were visited on September 11, 2023. Each of the sites was easily accessible via well-used and active roads (Figure 4.6-1). The northern sites were a mix of mostly young regenerating post-fire and logging stands (Plate 4.6-1), with few intact mature forests (mainly in the vicinity of Schjelderup Creek). Several small opportunities were identified where fish habitat and passage could be improved (Plate 4.6-2), but overall few viable riparian restoration sites were found, and no wetlands with restoration potential were identified. Since few opportunities were available, and the northern sites were ranked as low priority by UFN/LDN, additional field work was not completed.



Blackwater Project

Potential Restoration Sites: Northern Sites

Figure 4.6-1

Legend

- Target Areas for Restoration
- Forest Service Roads
- Streams

Date: 2023-11-28

Map Number: BLW-118

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

0 0.5 1 1.5 2

1:120,000 km

EcoLogic consultants

Plate 4.6-1. Typical post-fire regenerating stand in the Northern Sites.

Plate 4.6-2. Limited wetland and fish passage restoration potential along logging roads.

5. PREFERRED RESTORATION SITE

Of the six potential restoration sites, Johnny Lake was determined to have the most potential, including large areas of riparian habitat that directly contribute to known fish habitat. As well, the upland wetland complex, while largely functional, has viable restoration and enhancement opportunities. The other four potential sites had limited riparian or wetland restoration opportunities (Table 5-1). The selection of Johnny Lake as the preferred restoration site was also documented in environmental monitoring reports prepared by the LDN and UFN environmental monitors and provided to the LDN and UFN Lands and Resources representatives after the completion of the field work (Appendix D).

Table 5-1. Summary of the potential restoration sites.

Site	FAA	WMOP
Creek 661	No riparian restoration potential.	Wetlands not modified and fully functional.
Laidman Lake	No riparian restoration potential.	Wetlands not modified and fully functional.
Johnny Lake	Large areas of riparian restoration potential along Fawnie Creek and Johnny Lake. Sites are technically and economically feasible.	Opportunities to improve wetland function, including hydrology, wildlife habitat, and vegetation structure.
Van Tine	No riparian restoration potential.	Wetland complexes along Van Tine Creek functional, with suitable buffers to upland logging and replanted forests.
Tatscha Lake	No riparian restoration potential.	Adjacent wetlands appear to be functional and intact.
Northern Sites	Limited riparian restoration and connectivity potential due to logging activities and roads.	Multiple small, disturbed wetland areas due to road and logging; limited total restoration area.

The following section provides an overview of the potential restoration opportunities of the three sites within the Johnny Lake area. Each site includes a map of the areas that have potential for restoration, along with a summary of restoration techniques and constraints. Potential restoration techniques for riparian areas on Johnny Lake and Fawnie Creek include:

- Replanting riparian areas with native trees and shrubs to speed up forest stand recovery and increase fish and wildlife habitat (Figure 5-1).
- Targeted plantings of native species in areas that have limited natural post-fire regeneration, and to increase diversity (Figure 5-2). Where possible, broadleaf trees (mainly trembling aspen) will be preserved and enhanced to provide wildlife habitat and increase wildfire resilience.
- Redistribution of woody debris by cutting and placing the abundant blowdown and fire killed wood on the ground. Wood will be used to reduce erosion (contour log terraces) and when possible, will be embedded in the ground to promote soil development and reduce future wildfire

fuel loads (Figure 5-3). Dense blow down within stream gullies will be pulled back where appropriate to increase stream flow and prevent bank erosion.

- Build water bars and plant vegetation to reduce erosion potential on old fire guards.

Potential restoration techniques for the upland wetland complex include:

- Replanting riparian and wetland areas with native trees and shrubs to speed up forest stand recovery and increase fish and wildlife habitat (Figure 5-1).
- Targeted plantings of native species in areas that have limited natural post-fire regeneration, and to increase diversity (Figure 5-2). Where possible, broadleaf trees (mainly trembling aspen) will be preserved and enhanced to provide wildlife habitat and increase wildfire resilience.
- Redistribution of woody debris by cutting and placing the abundant blowdown and fire killed wood on the ground. Wood will be used to reduce erosion (contour log terraces) and when possible, will be embedded in the ground to promote soil development and reduce future wildfire fuel loads (Figure 5-3).
- Remove sediments in streams that feed the wetland complex to reverse the drying trend within the wetlands.
- Construct beaver dam analog structures within the wetland complex to increase diversity and improve water depth and permanence (Figure 5-4).

All potential restoration techniques and mapped areas would require additional field surveys and potentially also engineering to determine if they are viable and if the specific areas could be restored. The maps provide details of the areas that are suitable for restoration and are not intended to suggest that the entire area with a mapped polygon should (or needs to be) restored. Additional field work would also be needed to get a more accurate account of the area available for restoration; the areas reported in this section are indicative only based on reconnaissance level field work.

A high level summary of the estimated cost for the Johnny Lake riparian and wetland restoration is provided in Appendix E.

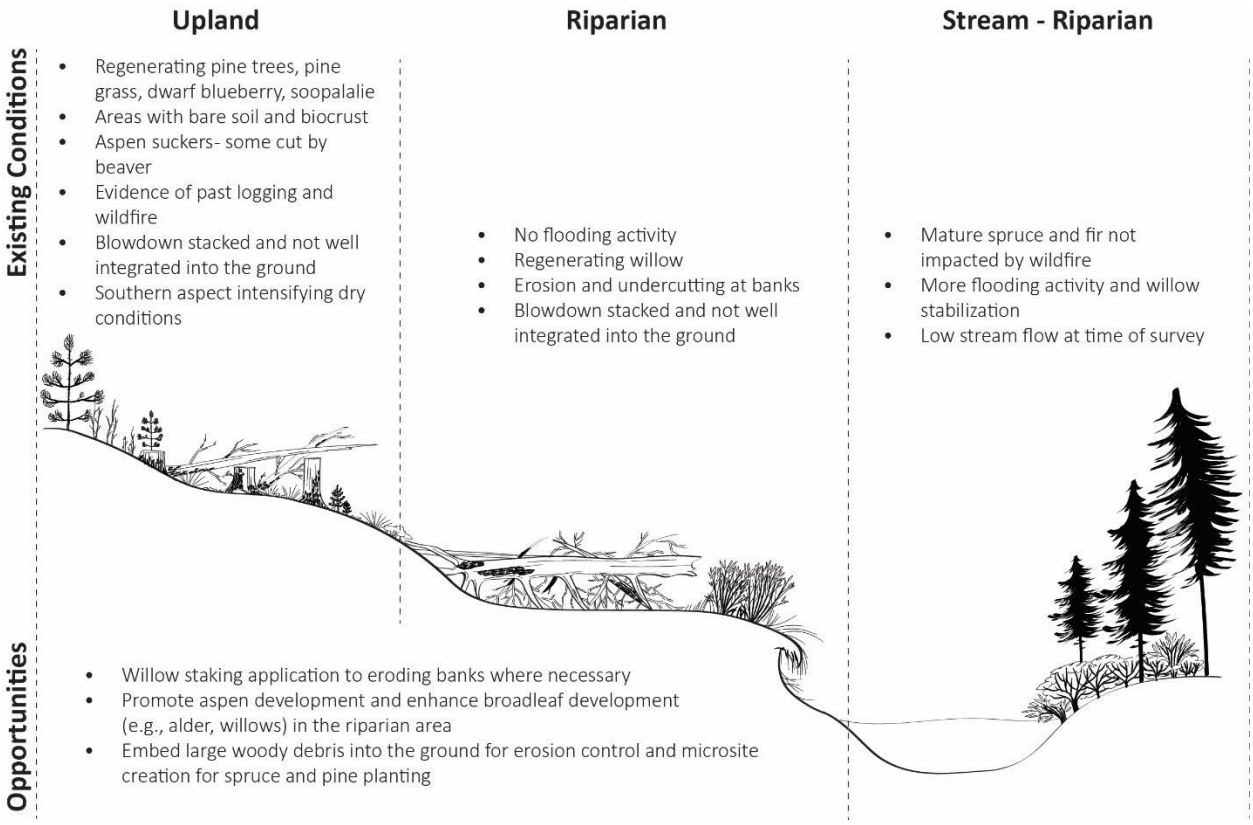


Figure 5-1. Enhancing riparian vegetation and function.

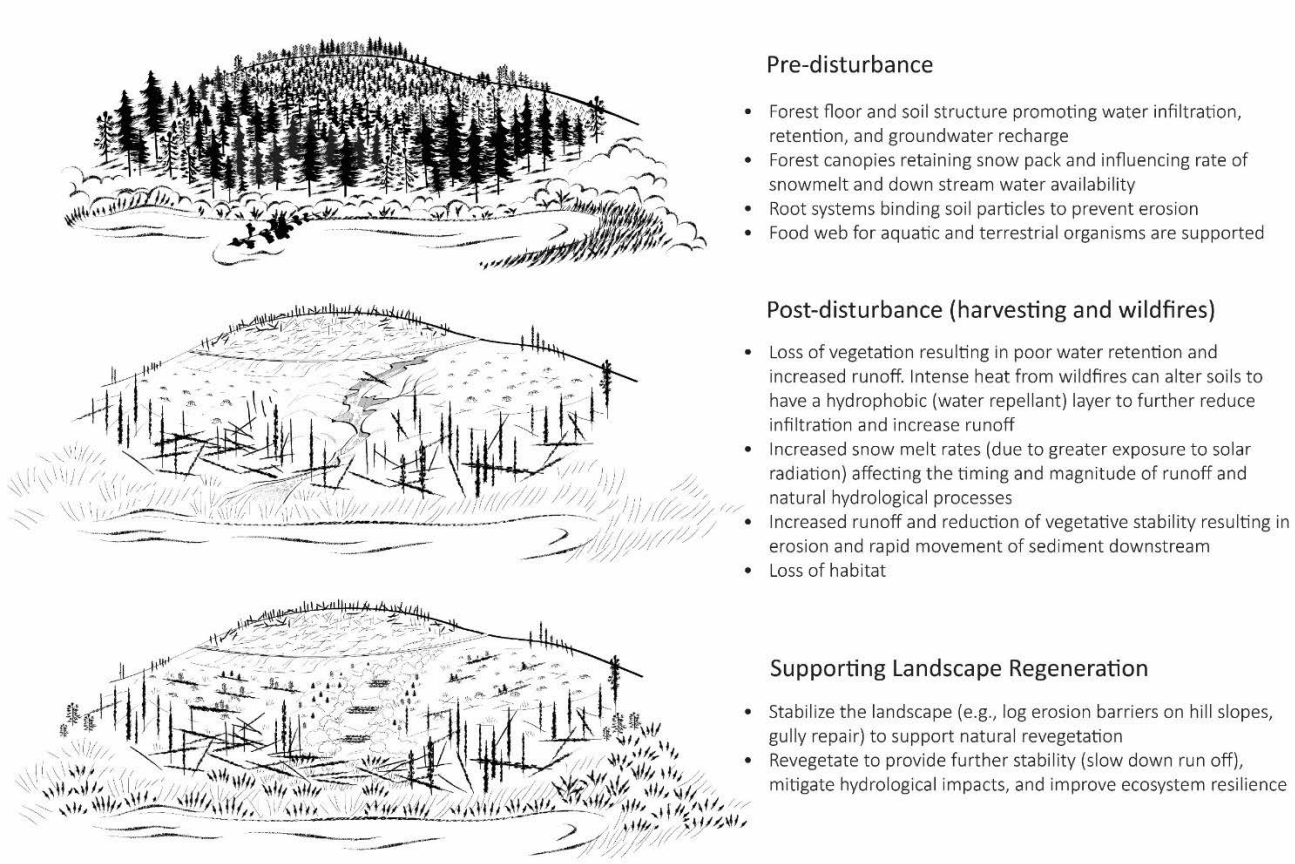


Figure 5-2. Landscape regeneration and reconnection with targeted planting.

CONTOUR LOG TERRACES

- May also be referred to as Log Erosion Barriers (LEBs)
- Temporary treatment to slow down runoff allowing water to percolate into the soil and revegetation to occur (traps, detains, and infiltrates run off)
- Success of treatment depends on correct implementation and design considerations (steepness of slope, amount of runoff, and burn intensity influence log spacing)
- Generally shorter row spacing with increased slope steepness and increased run off
- Work top to bottom and arrange logs in an alternating pattern for water to slow and meander

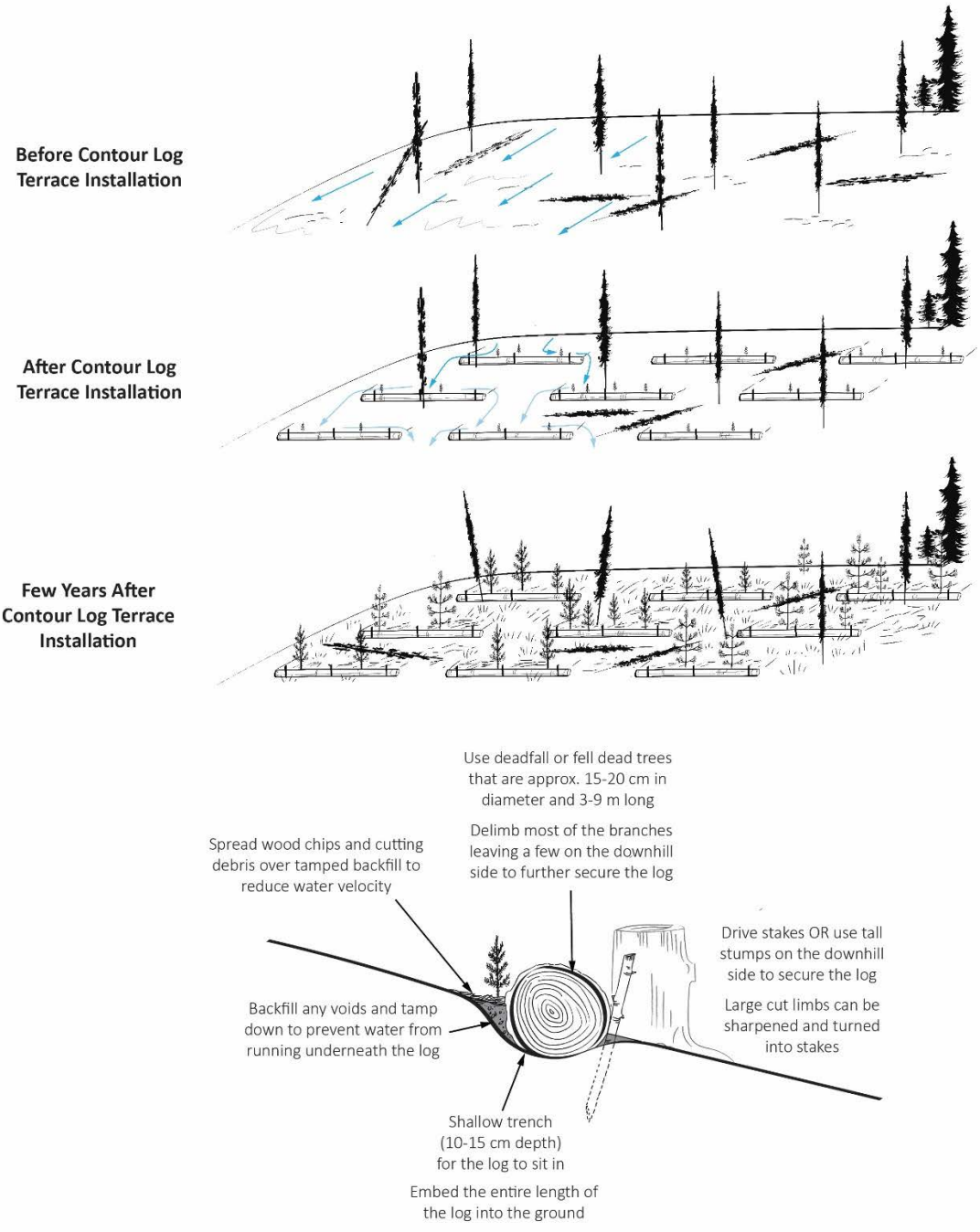


Figure 5-3. Contour logs terraces to build soil and reduce erosion.

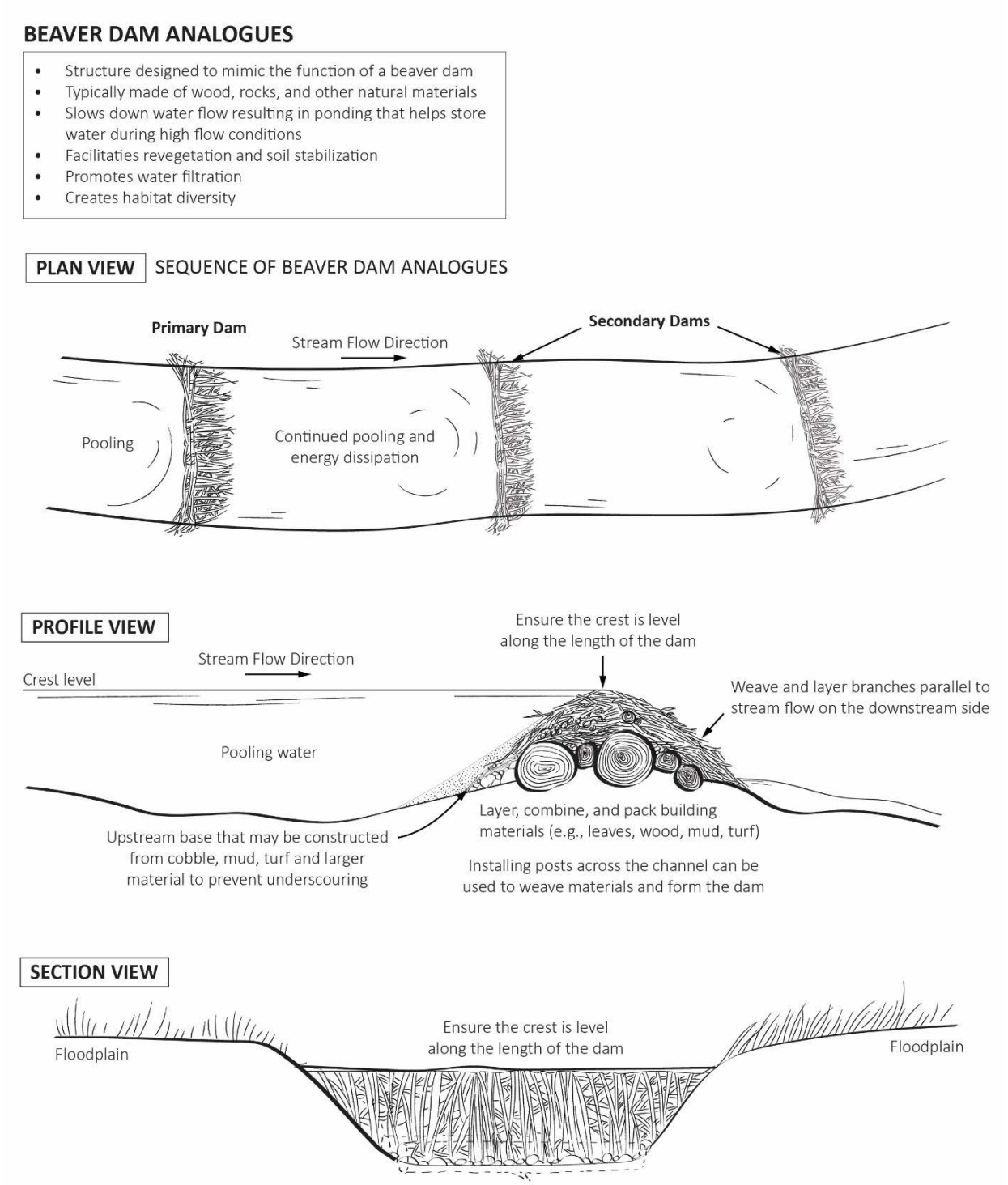


Figure 5-4. Beaver dam analogs.

5.1 FAWNIE CREEK

The restoration opportunities at the Fawnie Creek site include riparian area and previously forested lower slope areas (Figure 5.1-1; Table 5.1-1). The riparian area would benefit from planting to increase diversity and establish a functional riparian forest and reduce stream bank erosion. As the immediate edge of Fawnie Creek currently contains exposed soil and limited vegetation, the planting of native vegetation will accelerate regeneration and provide shade, nutrients, and food to the creek. Existing woody debris could be redistributed, brought to the ground and where possible embedded into the soil to improve stability and promote soil development.

The burnt lower slope to the north of Fawnie Creek has patchy regeneration and a high percent of exposed soil. Targeted plantings in sparsely covered areas and the creation of contour log terraces would increase diversity, reduce soil erosion, and promote soil development. Protection (from beaver cutting) and enhancement of existing aspen saplings on the lower slope could be explored to promote the development of a mixed forest that would be more fire resilient.

Blackwater Project

Current Ecosystem Types at the Fawnie Creek Site

Figure 5.1-1

Date: 2023-11-28

Map Number: BLW-128

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

Legend

Current Ecosystem

- Riparian
- Upland Forest
- Streams

0 25 50 75 100

1:3,500 Meters

Table 5.1-1. Summary of existing conditions and restoration options for Fawnie Creek

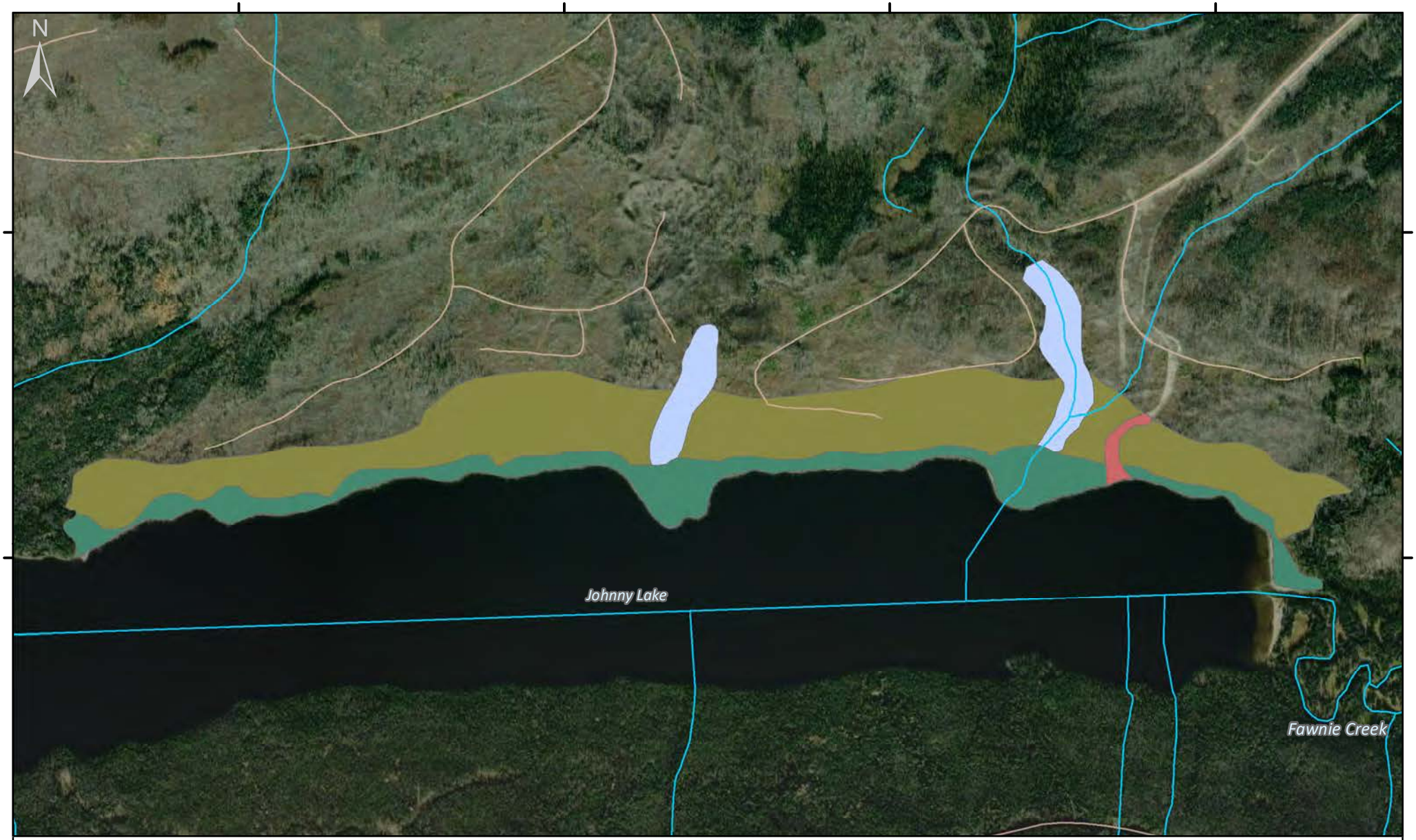
Location	Current conditions	Restoration opportunities	Constraints	Area (ha)
Upland Forest	Patchy pine regeneration, alder saplings and shrubs. Limited herbaceous vegetation. Abundant large woody debris and snags. Frequent exposed soil and rock outcrops.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor. Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Will require construction of an approximately two-kilometer road to access site (potential to just 'walk' excavator through old logged burnt areas instead). Dry, exposed site may require maintenance for planting survival.	9.6
Riparian	Limited tree cover and regeneration. Area of exposed soil adjacent to creek. Woody debris not incorporated into soil.	Planting of conifer trees and riparian shrubs. Redistribution of woody debris.	Access (as described above). Beaver activity at site will increase planting mortality. Tree protectors or other means of beaver-proofing will be required.	1.0

5.2 JOHNNY LAKE

The northeast corner of Johnny Lake encompasses a large area of poorly vegetated riparian and burnt upland forest, as well as several gullies with small watercourses and an old fire guard (Figure 5.2-1). Due to the intensity of the 2014 wildfire, much of this area is sparsely vegetated or still in early stages of regeneration, with large areas of exposed soil. Potential restoration activities (Table 5.2-1) include infill planting along much of the riparian area to increase regeneration of forest cover and overall diversity, along with targeted plantings on the steep slopes immediately above the riparian area. The redistribution of woody debris, and incorporation of the debris into soil and creation of contours log terraces would reduce erosion and promote soil development on the steep slopes. In areas where active gullying is occurring and sedimentation is entering the lake (Plate 4.3-6) and where erosion is occurring on old fire guards, more intensive activities may be required, such as the creation of water bars and other physical structures to slow water movement and reduce erosion.

Two small streams occur in the potential restoration area that would also benefit from restoration. The streams occur in steep sided gullies that have thick accumulations of standing and fallen trees as a result

of the 2014 fire. Woody debris could be cut and removed from the gullies and used in the adjacent burnt and logged areas for erosion control, thereby opening the watercourse and riparian areas.



Blackwater Project

Current Ecosystem Types at the Johnny Lake Site

Figure 5.2-1

Date: 2023-11-28

Map Number: BLW-126

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

Legend

Current Ecosystems

- Fire Guard
- Riparian
- Stream Gully
- Upland Forest

- Forest Service Roads
- Streams

0 100 200 300 400

1:16,000 Meters

Table 5.2-1. Summary of existing conditions and restoration options for Johnny Lake

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)
Lower slope	Patchy pine regeneration, alder saplings and shrubs. Limited herbaceous vegetation. Abundant large woody debris and snags. Frequent exposed soil; erosion in small gullies is resulting in sedimentation into Johnny Lake.	Targeted planting of trees, shrubs and herbs in areas where regeneration is poor. Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Will require construction of roads (mostly cross slope) to access site (potential to just 'walk' excavator through old logged burnt areas instead). Some slopes may be too steep for heavy equipment; hand treatments required or limited restoration area. Dry, exposed sites may require maintenance for planting survival.	67.8
Riparian	Limited tree cover and regeneration. Area of exposed soil adjacent to creek. Woody debris not incorporated into soil.	Planting of conifer trees and riparian shrubs. Redistribution of woody debris.	Access (as described above).	23.8
Stream Gullies	Steep sided old glacial outwash channels with small streams. Patches of young to mature spruce and pine. Very thick, stacked woody debris on slopes and across streams.	Redistribution of woody debris, including removal from stream bed as necessary to improve flow and reduce bank erosion. Create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Steep slopes with very heavy blowdown and accumulation of stacked woody debris.	10.4

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)
	Close proximity to existing old roads.	Targeted planting of trees, shrubs and herbs in areas where regeneration is poor.		
Old Fire Guard	Roughly three to five meters wide fire guard built for the 2014 fire. Direct machine access from existing roads. Most of the fire guard is steep with exposed, coarse soil and occasional water bars. Patchy regeneration of conifers; limited herbaceous cover.	Targeted planting of trees, shrubs and herbs in areas where regeneration is poor. Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development. Construct more water bars and/or re-grade where possible to reduce erosion.	Lower portion of guard is steep. Steep, dry slope and southern aspect may require maintenance such as watering for planted vegetation to survive.	1.1

5.3 Upland Wetland Complex

The upland wetland complex, while largely functional, has several opportunities for restoration and enhancement (Figure 5.3-1; Table 5.3-1). Opportunities exist to improve multiple wetland functions[2], including hydrological function (connectivity and water permanence), habitat function (wildlife habitat and potential species at risk habitat), and ecosystem function (connectivity within the complect and to upland forests, ecosystem quality, and potential ecosystems at risk).

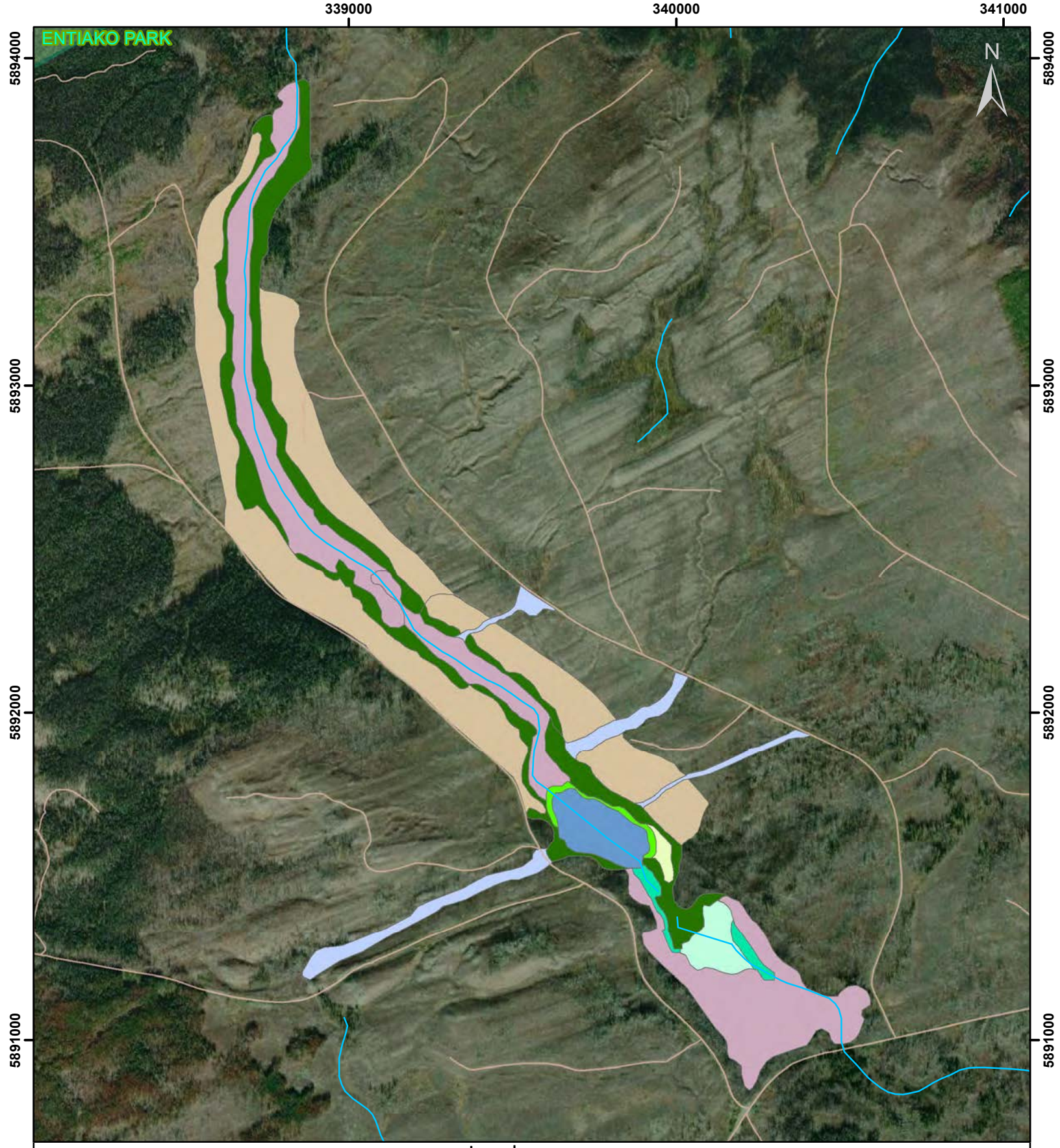
The burnt and logged slopes on both sides of the wetlands would benefit from targeted planting, redistribution of woody debris, and the integration of woody debris into the slope. These actions would promote regeneration of the upland forest adjacent to the wetlands thereby improving overall ecosystem health, ecological function, and wildlife habitat. On the steeper slopes, targeted revegetation of areas

[2] Wetland functions as defined in the Wetland Function Accounting Framework. Blackwater Gold Project. Wetland Management and Offsetting Plan. December 2022.

with exposed soil and low vegetative cover, along with the incorporation of woody debris into the soil would stabilize the slopes and reduce erosion.

Four drainage channels were identified in the field (Figure 5.3-2) that may be limiting inflows into the wetland complex, as they are plugged with woody debris and have high sediment loads (Plate 5.3-1). By removing the woody debris and recreating the gullies, hydrologic connectivity to the adjacent slopes may rejuvenate the wetlands.

To increase water levels and water permanence in the wetlands, the use of beaver dam analogs could be explored. Beaver dam analogs are low tech restoration structures that are designed to mimic natural processes (Wheaton et al. 2019). The creation of artificial beaver dams has been shown to be an effective method of stream restoration in systems that lack active beaver colonies (Pollock et al. 2014), resulting in increased water retention, vegetation growth, and water permanence. The creation of structures that replicate beaver dams on the outflow of the pond (Plate 5.3-2), and potentially in additional areas upstream of the pond, may enhance a large portion of the wetland complex.



Blackwater Project

Current Ecosystem Types in the Upland Wetland Complex

Figure 5.3-1

Date: 2023-11-28

Map Number: BLW-124

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

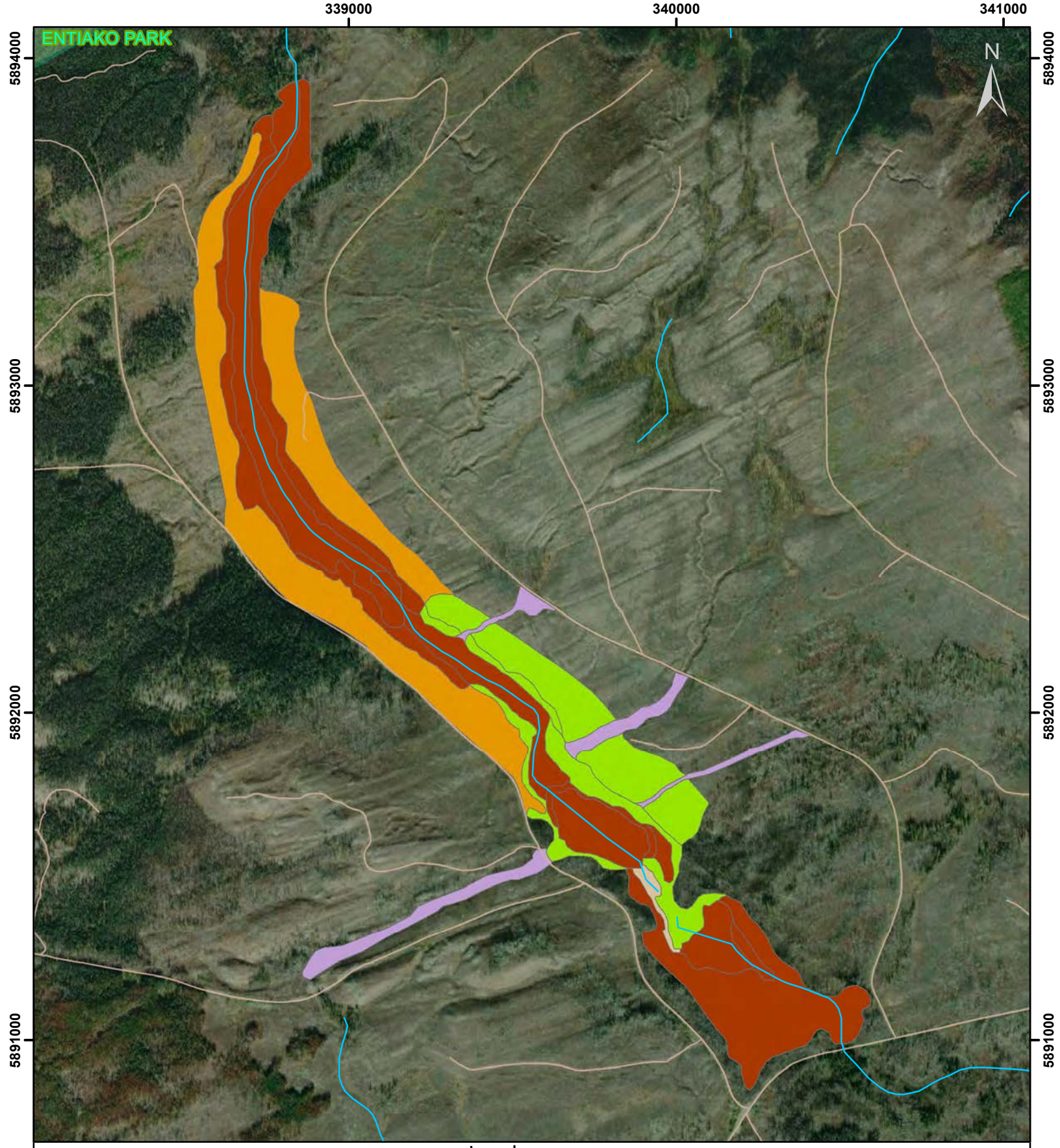
Legend

Current Ecosystem

- Bog
- Bog and Fen
- Fen
- Marsh
- Swamp
- Stream Gully
- Pond
- Riparian Forest
- Upland Logged
- Provincial Park
- Forest Service Roads
- Streams

0 200 400 600

1:15,000 Meters



Blackwater Project

Resoration Opportunities in the Upland Wetland Complex

Figure 5.3-2

Date: 2023-11-28

Map Number: BLW-125

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

EcoLogic consultants

Legend

Restoration Opportunities

- Yes
- Limited
- No
- Gully Restoration
- Beaver Dam Analog

- Provincial Park
- Forest Service Roads
- Streams

0 200 400 600

1:15,000 Meters

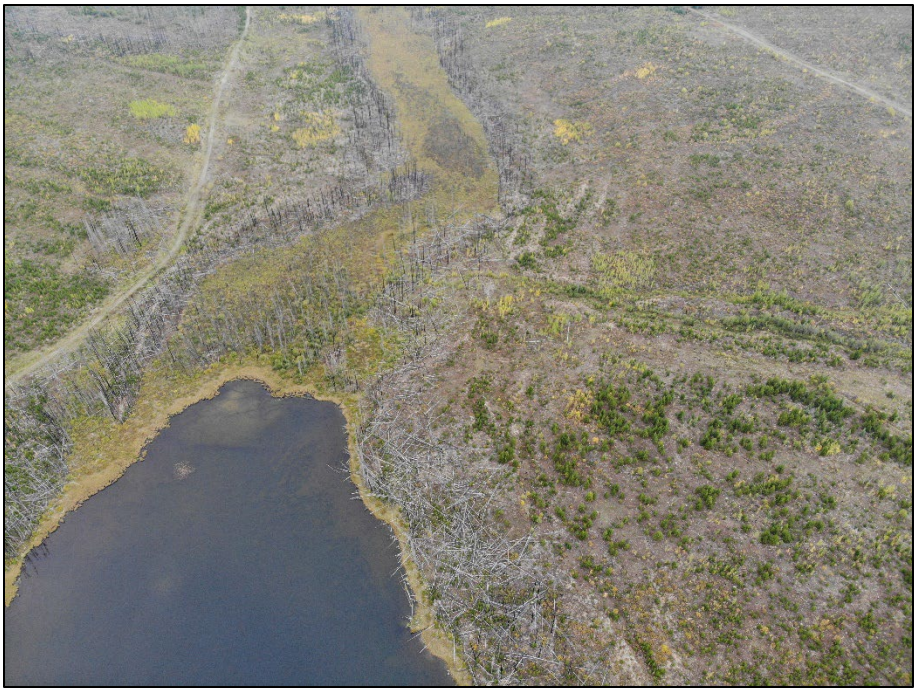


Plate 5.3-1. Drone image of one of the drainage channels (middle right).

Plate 5.3-2. Drone image looking south towards Johnny Lake at the pond outlet and potential location of beaver dam analog structures.

Table 5.3-1. Summary of existing conditions and restoration options for the upland wetland complex

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)
Stream Gully	Small ephemeral drainages that are clogged from	Clean out and regrade gullies to enable better water flow into the	Additional studies and engineering required to determine if	6.7

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)
	sedimentation and debris. Streams are assumed to be important sources of surface and ground water for the wetland complex.	complex to improve hydrologic function.	alterations would be beneficial to the wetlands.	
Riparian Forest	Patches of intact and standing dead/burnt forest along wetland complex edge.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor to improve wetland function and wildlife habitat. Cutting and redistribution (or removal) of woody debris and incorporation into soil to increase soil development and diversity.	Machine access may require roads and other measures to operate on soft, sensitive soils.	7.8
Upland Logged (full restoration)	Patchy regeneration in logged and burned areas. Narrow riparian buffer between logged areas and wetland complex.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor. Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Assume much of this area has been replaced, so opportunities may be limited in increased forest cover.	12.4
Upland Logged (limited restoration)	Patchy regeneration in logged and burned areas. Wide, effective riparian buffer between logged areas and wetland complex.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor.	Assume much of this area has been replaced, so opportunities may be limited in increased forest cover.	30.8

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)
	These areas have a wider riparian buffer; erosion from slopes is less likely.			
Fen	Wetland area is drying, and small streams have accumulated sediments.	Creation of beaver dam analog structures to increase diversity, hold water back, and reverse drying trend. Potential to build structures in upstream portions of the complex as well, but additional field surveys required.	Machine access to construct analogs may not be technically feasible or may have a high impact.	0.7

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APPENDIX A. CONSULTATION SUMMARY MEMO

ARTEMIS GOLD INC

Memo

To: Department of Fisheries and Oceans Canada

Date: February 29, 2024

From: Ryan Todd, VP ESR

Subject: FAA Section 6.3

Introduction

In June 2023, the Department of Fisheries and Oceans Canada ("**DFO**") issued a Paragraph 34.4(2)(b) and 35(2)(b) Fisheries Act Authorization (PATH No.: 21-HPAC-01447) (the "**Authorization**") to BW Gold Ltd. ("**BW Gold**") for activities related to the construction and operation of the Blackwater Mine (the "**Mine**").

Section 4.2 of the Authorization requires BW Gold to provide certain offsetting measures through the construction of instream and riparian areas, restoration of the Murray Creek, Greer Creek, and Ormond Creek and tributaries, and to undertake further offsetting measures in accordance with the "Blackwater Gold Project Fish Habitat Compensation Plan dated January 10, 2023 (the "**Blackwater Fish Habitat Compensation Plan**"). The Blackwater Fish Habitat Compensation Plan acknowledges impacts to portions of the Davidson Creek and tributaries to the Davison Creek and Creek 661, and to offset anticipated instream and riparian habitat loss, the plan proposes two measures, namely, Matthews Creek channel restoration/enhancement; and Matthews Creek off-channel pond creation.

Section 6 of the Authorization sets out certain conditions that relate to reporting and engagement with Indigenous Nations, and requires, in section 6.3 thereof, that BW Gold develop and deliver to the DFO an offset alternatives proposal (an "**Offset Alternatives Proposal**") by February 29, 2024. The Authorization requires BW Gold to provide an opportunity to collaborate with the Ulkatcho First Nation (the "**UFN**") and Lhoosk'uz Dene Nation (the "**LDN**") on the development of the Offset Alternatives Proposal. The Authorization requires the parties to develop terms of reference to guide the development of the Offset Alternatives Proposal.

Section 6.3.2 of the Authorization provides that if the parties are unable to collaboratively identify preferred offset alternatives, the Proponent will provide a summary report of all options considered, including a description of technical and economic feasibility. The Proponent is to provide a written explanation detailing any views provided by BW Gold, the UFN and LDN regarding each proposed offset alternative.

BW Gold is aware that UFN and LDN have concerns with the offsetting measures set out in the Authorization and the Blackwater Fish Offsetting Plan. BW Gold has been aware of these concerns since the review phase of the Fish Offsetting Plan. Therefore, since January 2023 BW Gold has proactively engaged with the UFN and LDN, commencing work on a proposed terms of reference (referred to as the "**Charter**"), and providing the UFN and LDN with many opportunities to collaborate on the development of potential offset alternatives. A summary of engagement efforts is outlined in Appendix B.

Accordingly, this memorandum is delivered along with the Offset Alternatives Proposal in accordance with the Authorization and outlines the process of engagement that BW Gold has undertaken to provide UFN and LDN with an opportunity to collaborate on the development of the Offset Alternatives Proposal. This memorandum discusses: (a) the process to developing the terms of reference required by section 6.3 of the Authorization; (b) the Offsetting Criteria developed to assist in the site selection in accordance with section 6.3.1.1 of the Authorization; and (c) alternative offset location identified by LDN, UFN and BW Gold for further study.

Since LDN, UFN and BW Gold have collaboratively identified Johnny Lake as a potential alternative offsetting site, as further discussed herein, BW Gold is of the view that Section 6.3.2 of the Authorization does not apply.

(a) Terms of Reference

Since 2021, and in preparation for its permitting processes, BW Gold has actively engaged with UFN and LDN on potential offsets. During those meetings, BW Gold provided the Nations with updates and proposals for offsetting locations which would be incorporated into the Authorization. Throughout the engagement efforts, BW Gold has consistently encouraged and requested that the LDN and UFN provide alternative offset locations for its consideration and study. However, to date, the LDN and UFN have not identified any viable offset locations outside of those developed or identified by BW Gold. As summarized in the Section (b) Offsetting Criteria, input from LDN and UFN on the identification of potential alternative offsetting locations came in the form of suggestions for the Offsetting Criteria for site selection.

On January 26th, 2023, in a meeting of representatives from BW Gold, UFN and LDN, and their respective technical teams, UFN and LDN shared their desire to find different offset locations than those originally proposed for the Authorization. The parties also discussed the development of a Charter (which would, in essence, constitute a Terms of Reference) to guide the process for selecting alternative offsetting sites and importantly would include Offsetting Criteria to assist in site selection.

On January 30, 2023, BW Gold Chief Executive Officer, Steven Dean, sent a letter to UFN and LDN outlining BW Gold's commitment to engage with the UFN and LDN on the development of the Charter, and the selection of alternative offsetting sites. After receiving the letter, UFN and LDN felt that edits should be made to Mr. Dean's letter to outline their position more accurately for the development of alterative offsets. Accordingly, Mr. Dean revised and re-issued the letter to UFN and LDN on February 8th, incorporating the requested edits. Following review, UFN and LDN requested additional edits be made, which BW Gold completed. On February 9th, Mr. Dean reissued the final form of the letter to UFN and LDN.

On February 9, on March 15 and on March 22, 2023, further meetings were held between BW Gold, UFN and LDN and their respective technical representatives to develop the Charter, titled the "Fish and Wetlands Charter", for the identification and selection of alternative fisheries offsetting sites. BW Gold continued work to advance the Charter in between meetings with LDN and UFN, addressing action items and agreed changes in between meetings to keep the Charter development process moving ahead.

On April 5, 2023, at a meeting between BW Gold and UFN and LDN leaders, BW Gold committed to finalize the Charter and provide it to UFN and LDN for final review by April 28, 2023. BW Gold did deliver the final draft Charter to LDN and UFN on April 28th. LDN did not raise any concerns with or request any revisions to the Charter as delivered on April 28, 2023, but also did not approve it for implementation.

UFN referred the Charter to their legal counsel, Mr. Aaron Bruce, for legal review. On May 16th 2023 BW Gold reached out to Mr. Bruce (at UFN's request) to set up a meeting to review Mr. Bruce's comments on the Charter. On May 19, 2023, representatives of BW Gold and Mr. Bruce met to discuss the Charter, during which meeting, Mr. Bruce requested certain revisions arising out of his review. On May 23rd, 2023, BW Gold sent Mr. Bruce an updated version of the charter which incorporated the revisions he proposed during the May 19th meeting. BW Gold requested that Mr. Bruce provide a time for the parties to review the proposed changes to ensure they were satisfactory. On May 29th, 2023, Ms. Candice Alderson, Chief ESG Officer of BW Gold, had a call with Mr. Bruce to inquire on the status of his review of the Charter. Ms. Alderson was advised by Mr. Bruce that his review was complete, but he required his client's instructions to send the final form of the Charter to BW Gold, which he anticipated in the next day or two. Mr. Bruce also reminded BW Gold that he did not represent LDN in this matter. No further response has been provided by UFN counsel since May 29, 2023. Due to a number of staffing changes within the UFN, BW Gold has not been able to confirm the status of the legal review, and as a result, BW Gold is not aware of what specific concerns, if any, remain with respect to the Charter developed by the parties.

After the drafting of the Charter, on June 30, 2023, DFO issued the Authorization, which required, in section 6.3, that BW Gold work with UFN and LDN to develop terms of reference to guide the development of the Offset Alternatives Proposal. The Charter drafted by the parties already incorporated proposed terms to guide the development of alternatives, including Offsetting Criteria.

In light of the timing, including the fact that the 2023 field season had commenced, BW Gold and the Nations commenced discussions regarding the implementation of the draft Charter prior to the issuance of the Authorization. As further outlined in section (b), the parties had multiple meetings from January 2023 through to August 2023, to discuss the implementation of the Charter, and in particular, the Offsetting Criteria to be applied. BW Gold communicated to LDN and UFN on multiple occasions through late spring and early summer that timing to identify candidate alternative sites was becoming critical if field work was to be undertaken in 2023 in order to meet the February 29, 2024 submission deadline for the alternatives report.

Accordingly, at a meeting on August 21, 2023, BW Gold informed UFN and LDN that it planned to use the Charter as the terms of records for the purposes of the Authorization. This was reiterated during a meeting on November 23, 2023. During both of these discussions neither LDN or UFN raised any objections to proceeding accordingly. The current version of the Charter is attached as Appendix B to the Offset Alternatives Proposal.

(b) Screening Criteria

A key component of the Charter is the selection criteria section which outlines UFN and LDN's desired criteria for selecting alternative offsetting sites (the "**Offsetting Criteria**").

As noted above, discussions regarding the implementation of the charter commenced prior to the issuance of the Authorization in order to plan for the 2023 field season. On January 17, 2023, BW Gold presented to UFN and LDN a workplan for identifying potential alternative sites, and on January 19, 2023, BW Gold delivered to UFN and LDN a formal proposal to use remote sensing methodology to identify alternative offsets.

Following BW Gold's proposal, in early 2023, BW Gold's technical consultant, Ecologic, developed a computer model which could be used to identify potential alternative offsetting sites using remote sensing. The model was set up in such a way that the Offsetting Criteria could be used to query the model to return sites meeting the Offsetting Criteria. On February 16, 2023 Ecologic presented the proposed modeling methodology to LDN, UFN and its consultants. On March 16, 2023, BW Gold confirmed in a meeting with LDN and UFN and its technical consultants that the base layers needed to perform this modelling had been compiled. LDN and UFN requested that this information be made available to them to review with their consultants. On April 13, 2023, BW Gold provided digital access to the web map to LDN, UFN and its consultants and, later that same day, provided high-level tutorial on its use.

In April 2023, BW Gold developed an initial draft of the Offsetting Criteria, based upon the discussions held at the collaborative meetings with the parties in January, February and March. On May 17 and on May 30, 2023, representatives of BW Gold, UFN and LDN met to discuss the Offsetting Criteria. UFN and LDN delivered comments to BW Gold on June 9, 2023, and on June 13 and 23, 2023, the working group met again to further refine the Offsetting Criteria based on that feedback.

During development of the Offsetting Criteria, BW Gold requested input from LDN and UFN on alternative offsetting sites they might consider for more investigation. No sites were identified by UFN and LDN for further investigation in 2023.

The Offsetting Criteria are included in the draft Charter and are outlined in detail in the Offset Alternatives Proposal, and include:

- identification as to whether the potential offset area is on private or public land;
- identification as to whether the potential offset area is within UFN and/or LDN territory;
- whether the potential offset area can support colocation of fish and wetlands offsets (i.e., one area that covers both, taking an ecosystem approach to offsetting as has been proposed for Mathews Creek and Dykam Ranch);
- accessibility to the potential offset area (i.e., near an existing public road);
- whether the offset area is within the Capoose High Elevation Ungulate Winter Range Offsetting Area as defined in the Caribou Management Plan; and
- whether existing data on the potential offset area is currently available (i.e., no new study or data collection is required to assess the potential offset area).

In two subsequent meetings, held on August 3, 2023, and August 21, 2023, the parties discussed the Offsetting Criteria. No changes to the criteria were requested following this discussion and accordingly, the first round of modelling occurred.

On August 31, 2023, Ecologic presented first round of results to BW Gold, UFN and LDN. During this presentation the web map hosting the results was reviewed. The potential areas for alternative offsets presented included 6 unnamed sites within the area where LDN and UFN territory overlap. These areas lined up with those sites identified in the Offset Alternatives Proposal, listed later in this section. During this conversation LDN noted that the identified area within the area of Van Tyne Creek has good potential given its vicinity to caribou habitat. Johnny Lake was also discussed as a site with good potential, however concerns related to its proximity to Entiako Provincial Park were noted. Based on the review of those potential offsetting locations presented, LDN and UFN requested that the model be revisited with additional criteria:

- within 30 km of the mine site,
- crown ownership,
- territory overlap (areas that fall within the overlapping LDN/UFN territory should be prioritized),
- buffer from the Entiako Park to reduce future wildfire risk, and
- able to support both wetland and fish habitat.

These additional criteria were added to the Ecologic model which generated the six potential offsetting areas that were identified during the initial modelling run presented on August 31, plus two additional sites: an additional site in the north (Northern Sites) and the Creek 661 (Chedakuz) site. On September 6th these results were provided to LDN and UFN to select their favoured sites. On September 14th during an in-person meeting with BW Gold, LDN ranked their preference of the sites for further reconnaissance work, per the following priority (with 1 being the most preferred, and 6 being the least):

1. Creek 661 (Chedakuz)
2. Laidman Lake
3. Johnny Lake/Fawnie Creek
4. Van Tyne Creek
5. Tatscha Lake site (south of the Mine)
6. Northern Sites.

On September 26, 2023, UFN identified two priority sites for further reconnaissance work:

1. Johnny Lake/ Fawnie Creek
2. Tatscha Lake site (south of the Mine)

On September 27, 2023, BW Gold submitted a draft site reconnaissance plan to UFN and LDN for their review, and undertook the field reconnaissance with participation from the UFN and LDN Aboriginal Group Environmental Monitors ("**AGMs**") October 10 – 13th. On October 19, 2023, BW Gold delivered a summary report of the field reconnaissance to the Environmental Management Board ("**EMB**"). The EMB is constituted pursuant to the Participation Agreement between BW Gold, UFN and LDN, and is the formal environmental table for the parties to meet, discuss and make decisions on environmental issues including those pursuant to BW Gold's permits. The preliminary findings of the field work were discussed with EMB on November 1st. Further details regarding these options, including their technical and economic feasibility, are set out in the Offset Alternatives Proposal.

(c) Alternative Offsets

On November 1, 2023, the EMB met to review the summary report of the field reconnaissance prepared by Ecologic. During that meeting, the EMB members agreed that the Johnny Lake area provided the best opportunity for alternative offset sites.

Accordingly, BW Gold (through its consultants) proceeded in preparing the draft Offset Alternatives Proposal. On December 14, 2023, BW Gold provided the draft Offset Alternatives Proposal to LDN, UFN and their technical reviewer (the Independent Consultant) for their review. On January 12, 2024, BW Gold received comments from LDN and UFN and on February 13, 2024, BW Gold responded to the LDN and UFN's comments. Since February 13, 2024, no further discussion has been had by the parties regarding the content of the Offset Alternatives Proposal.

ARTEMIS GOLD INC

Memo

In encouraging the LDN and UFN to identify offset locations, engaging in the development of the draft Charter, collaboratively agreeing upon the Offset Criteria, undertaking the detailed process in applying the Offset Criteria, and in identifying on a potential alternative offset location within the Johnny Lake Area, BW Gold has satisfied the requirements of section 6.3 of the Authorization.

BW Gold is committed to ongoing engagement with each of the LDN and UFN on alternative offsets pursuant to Mr. Dean's February 9, 2023 letter. BW Gold continues to encourage each of UFN and LDN to identify alternative offsets that are acceptable to them and meet the requirements of the DFO and to bring those alternative offsets forward for consideration.

APPENDIX B. SUMMARY OF CONSULTATION WITH LDN AND UFN

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4416	EMB Documents (LDN/UFN)	Total number of attendees:12	2023-01-05	Email	Following the January 5, 2023 Environmental Monitoring Board (EMB) meeting, provided LDN and UFN with the updated Mathews Creek Vegetation Plan and revised Issue Tracking Table (ITT).	As discussed today on our EMB call, the Mathews Creek vegetation plan has been updated and the ITT formatting revised. Both the updated plan and ITT can be found here: Mathews Creek Vegetation Prescription Plan <https://eur01.safelinks.protection.outlook.com
4422	Final Minutes (LDN/UFN/ECCC/DFO)	Total number of attendees:13	2023-01-05	Email	Provided LDN, UFN, DFO, and ECCC with the final December 5, 2022 fisheries meeting minutes.	Provided attached finalized Dec 5 Fisheries meeting minutes to UFN/LDN,DFO, and ECCC. We allowed for some additional review time for these minutes due to the holiday closure period and folks' absences due to illness.
4435	Final EMB Minutes (LDN/UFN)	Total number of attendees:14	2023-01-09	Email	Provided LDN and UFN with the Final December 8, 2022 Environmental Monitoring Board (EMB) meeting minutes.	Provided attached finalized Dec 18 EMB meeting minutes to LDN/UFN

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4445	Fisheries Plan Update (LDN/UFN/CSFNs/NFN/ECCC/DFO)	Total number of attendees:11	2023-01-11	Other forms of engagement -> Email correspondence	Advised LDN, UFN, CSFNs, NFN, ECCC, and DFO that in response to the November 14, 2022 letter from DFO and ECCC, LDN and UFN's fisheries plan issue tracker from November 4, 2022, and a request from CSFNs to evaluate incorporating Ormond Creek into the compensation plan, provided a link to the updated Fish Habitat Compensation Plan (FHCP) to DFO, ECCC, and Nations for review. The plan had been updated to address all gaps outlined in the November 14, 2022 letter, LDN and UFN's fisheries plan issue tracker from November 4, 2022, and incorporated riparian restoration at Ormond Creek. There was a concordance table that detailed where each concern raised had been addressed in this version of the updated plan. There was a detailed consultation summary outlined in Section 1.5 that summarized the meetings, outreach, and various correspondences completed in order to arrive at an updated plan.	In response to DFO and ECCC's letter from November 14th, LDN and UFN's fisheries plan issue tracker from Nov 4th, as well as a request from the CSFN Nations to evaluate incorporating Ormond Creek into the compensation plan, BW Gold is pleased to provide a link below to the updated Fish Habitat Compensation Plan (FHCP) to DFO/ECCC and Indigenous Nations for their review. The plan has been updated to address all gaps outlined in DFO and ECCC's letter from November 14th, LDN and UFN's fisheries plan issue tracker from Nov 4th, as well as it incorporates riparian restoration at Ormond Creek. There is concordance table at the front end of the updated plan, just after the executive summary, that details where each concern raised has been addressed in this version of the updated plan. There is also a detailed consultation summary outlined in Section 1.5 that summarizes the meetings, outreach and various correspondences that were completed in order to arrive at an updated plan.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4447	Plan Confirmation (LDN/UFN/CSFNs/NFN/ECCC/DFO)	Bradley Horne;Glenn Wagner;Ian MacLeod;Jack Love;James Witzke;Jeremy Higham;Joshua Jodoin;Rick Palmer;Sarah Harrison	2023-01-11	Email	Received CSFNs receipt confirmation of the updated Fish Habitat Compensation Plan (FHCP) for review. (LDN, UFN, NFN, ECCC, and DFO included in response.)	Thank you Travis, we have received the FHCP and will review it to assess if CSFNs' comments have been adequately addressed. Georgina
4579	EMB Meeting (LDN/UFN) Placeholder	Alastair Tiver;John Dockney;Meghan Goertzen;Travis Desormeaux	2023-01-12	Meeting	Held an Environmental Monitoring Board (EMB) with LDN, UFN, Keefer, and Lorax. Discussed LDN and UFN concerns regarding the large size of the Low Grade Ore (LGO) stockpile and concerns that LGO stockpile would be left behind, becoming a reactive stockpile. (Team members included BW Gold and Lorax.)	Held an Environmental Monitoring Board (EMB) with LDN, UFN, Keefer, and Lorax. Discussed LDN and UFN concerns regarding the large size of the Low Grade Ore (LGO) stockpile and concerns that LGO stockpile would be left behind, becoming a reactive stockpile.
4462	Draft EMB Minutes (LDN/UFN)	Total number of attendees:11	2023-01-17	Email	Provided LDN and UFN with the draft January 5, 2023 Environmental Monitoring Board (EMB) meeting minutes for review. Requested feedback by January 31, 2023 and advised that a finalized version would be circulated on February 1, 2023.	Provided LDN and UFN with the draft January 5, 2023 Environmental Monitoring Board (EMB) meeting minutes for review. Requested feedback by January 31, 2023 and advised that a finalized version would be circulated on February 1, 2023.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
	Potential candidate alternative offset sites presented to LDN and UFN	BWG, UFN, LDN	2023-01-17	Meeting	A workplan for identifying potential candidate alternative offset sites was presented to LDN and UFN January 17, 2023, and the formal proposal provided January 19, 2023, which included a restoration tool which integrates estimates into environmental indices derived from remote sensing satellites (e.g., Landsat and Sentinel-2). BWG sought feedback from LDN and UFN on the workplan; which was a recurring agenda item topic for discussion at several EMB meetings and ultimately the workplan was initiated by BWG to ensure adequate time was available to meet the regulatory timelines and not miss the field season due to the onset of winter.	-

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4580	EMB Meeting (LDN/UFN) Placeholder	Alexa Bossley;Andrea St-Pierre;Jack Love;Quain Sulin;Sarah Harrison;Travis Desormeaux	2023-01-19	Meeting	Held an Environmental Monitoring Board (EMB) meeting with LDN, UFN, Keefer, and Okane. Provided a site update on the March overwintering field work timing and rough scope and caribou/moose pellet surveys. Discussed Reclamation Liability Cost Estimate (RLCE) comments update, small mammal sampling comment responses and updated framework update, the request for LDN and UFN presentation on wetlands plan that was delivered to BC EAO, management plan updates, and feedback on the Chemical Management Plan and Cyanide Management Plan Qualified Professional (QP).	
12821	Fish Wetlands Offsetting Workshop	Alexa Bossley; Daniel McAllister; Glenn Wagner; Greg Sharam; Ian Macleod; James Witzke; Jeremy Higham; Kris Hallinger; Nathan	2023-01-26	In person meeting	Wetlands and Fish Offsetting workshop with UFN/ LDN held in Vancouver	Workshop Agenda included: Keefer Wetlands plan presentation to EAO on Jan 13th, Regulatory updates, Wetlands Management Plan regulatory update, identification of other offsetting opportunities, Nations to present Dean River proposal for fish habitat, fish habitat restoration initiatives, Nation led caribou restoration work.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
		Braun; Ryan Durand; Ryan Todd; Steven Dean; Travis Desormeaux ; Steve Ross; Rene Jimmy				
4488	WMOP Comments (LDN/UFN/BC EAO/BC EMLI/ECCC/BC FLNRORD)	Total number of attendees:12	2023-01-27	Email	Received LDN and UFN comment table regarding the Wetland Management and Offsetting Plan (WMOP, EA Condition 24). (BC EAO, BC EMLI, ECCC, and BC FLNRORD included in response.)	Hi Travis, Please find LDN and UFN comments on the Wetland Management and Offsetting Plan below.
4489	WMOP Table Acknowledgement (LDN/UFN/BC EAO/BC EMLI/ECCCBC FLNRORD)	Total number of attendees:12	2023-01-27	Email	Acknowledged LDN and UFN Wetland Management and Offsetting Plan (WMOP, EA Condition 24) comment table. Advised that the table would be added to the Issue Tracking Tables (ITTs) with LWRS comments and would continue to develop responses. (Received WMOP table from LDN and UFN on January 27, 2023.) (BC EA, BC EMLI, ECCC, and BC FLNRORD included in response.)	added to ITT with LWRS comments and continue to develop responses.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4492	Commitment Letter (LDN/UFN)	James Witzke;Jeremy Higham;Ryan Todd;Steven Dean	2023-01-30	Email	Provided LDN and UFN with a letter outlining BW Gold's ongoing commitments to the Fisheries Offsetting Plan, Wetland Management and Offsetting Plan (WMOP, EA Condition 24), and Fish Habitat Compensation Plan (FHCP). The letter outlined BW Gold's commitment to continue to collaborate with LDN and UFN regarding the identification of potential fish and wetland offsetting opportunities in connection with the relevant plans. Advised that due to the January 25, 2022 correspondence from ECCC confirming that the FHCP was adequate for their approval, the letter also served as a formal request for a letter of support from UFN and LDN for the FHCP and the Schedule 2 amendment by February 3, 2023. Advised that BW Gold had sent a draft letter of support for consideration to LDN and UFN. Offered to resend the letter if needed.	Attached a letter from Steven Dean outlining BW Gold's ongoing commitments to the Fisheries Offsetting Plan, Wetlands Management Plan and Fish Habitat Compensation Plan. Specifically, this letter outlines BW Gold's commitment to continue to collaborate with LDN and UFN regarding the identification of potential fish and wetland offsetting opportunities in connection with the relevant plans. :Given ECCC's email dated January 25, 2022 confirming that the Fish Habitat Compensation Plan (FHCP) is adequate for their approval, the attached letter also serves as a formal request for a letter of support from UFN and LDN for the FHCP and the Schedule 2 amendment by February 3, 2023. BW Gold has previously sent a draft letter of support for consideration to LDN and UFN. If you would like that letter to be resent, please let me know.
4493	WMOP Table (LDN/UFN/BC EAO/BC EMLI/ECCC/BC FLNRORD)	Total number of attendees:12	2023-01-30	Email	Received LDN and UFN Issue Tracking Table (ITT) regarding the Wetland Management and Offsetting Plan (WMOP, EA Condition 24). Also received update that the ITT superseded	Hi Travis, Here is the updated ITT for the Wetland Management and Offsetting Plan, this file supersedes the comments provided on Friday.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
					the January 27, 2023 comments. (BC EAO, BC EMLI, ECCC, and BC FLNRORD included in response.)	
4509	Letter Request (LDN/UFN)	James Witzke;Jeremy Higham;Ryan Todd	2023-02-03	Email	Advised LDN and UFN that the UFN Chief letter had suggested another letter would be sent, which had also been confirmed verbally. Advised that a February 9, 2023 meeting with ECCC and DFO had been set up to discuss the Fish Habitat Compensation Plan (FHCP). Requested written comments on the letter in order to prepare for the meeting. Also advised that BW Gold preferred to be in full agreement for the meeting similar to the previous meeting with BC EAO on the wetlands plan.	Hi Nadine, Laurie and Neil – In Chief Lynda's letter in response to Steven she suggested that a further letter would be coming shortly. This was also confirmed through my conversations with you and Ryan's conversation with Mike. We note that a meeting with ECCC and DFO has been set up for next Thursday on the FHCP. Could we ask that you please provide your written comments on the letter ASAP so that we can consider in advance of meeting with ECCC and DFO? Our desire would be to go to the meeting with the regulators next week in full agreement, like we did with EAO last week on the wetlands plan.
4543	EMB Meeting (LDN/UFN) Placeholder	Alexa Bossley;Andrea St-Pierre;Jack Love;Jeremy Higham;Travis Desormeaux	2023-02-07	Meeting	Held an Environmental Monitoring Board (EMB) meeting with LDN, UFN, Okane, and Keefer. Discussed site update/upcoming fieldwork, update on remote sensing workplan and identification of candidate restoration sites within Nations' territories, management plans update, new and other business, and reviewed action items.	Held an Environmental Monitoring Board (EMB) meeting with LDN, UFN, Okane, and Keefer. Discussed site update/upcoming fieldwork, update on remote sensing workplan and identification of candidate restoration sites within Nations' territories, management plans update, new and other business, and reviewed action items.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4526	Issues Update (UFN)	James Witzke;Jeremy Higham	2023-02-09	Email	Provided UFN with a leadership memo with updates regarding the Failure Modes Effects Assessment (FMEA) workshop, wetlands workshop, cyanide management plan, Tailings Storage Facility (TSF) – Reclamation/ End Use Plan, and Transmission Line (TL). Also provided the Mine Plan. Discussion regarding the Wetlands plan included: 1. FMEA Workshop: BW Gold supported an FMEA workshop and wanted to ensure timing was appropriate. Committed to meeting with Okane and technical experts in February 2023. Proposed an information session on the mine's waste management system to illustrate how water was recycled and managed around the site. This session was important to hold prior to the FMEA workshop and requested Chief and Council to participate in this information session or a high-level version of it so that they felt well informed about the environmental management systems planned for the dam. Noted that earthworks associated with mine construction would not happen until mid-2023, after clearing, and	

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
					after receipt of the FAA and amendment of Schedule 2. There was time to organize an FMEA workshop. BW Gold was undergoing internal review of the plan proposed by the Nations with a commitment to providing responses to the proposal. 2. Wetlands Workshop and Plan a.) Wetlands Workshop. The original intent of the Wetlands workshop was to provide community members with a technical opportunity to learn about wetlands, including types, functions and sampling techniques. This workshop was voluntary and not attached to any permitting condition, but to provide a learning opportunity, or capacity building opportunity for community members. The voluntary workshop was cancelled due to a lack of interest by community members and although BW Gold had stated that they were willing to support the workshop at another time, it was not a requirement or attached to any Project conditions. b.) Wetlands Plan BW Gold, LDN, and UFN had committed to the creation of a Wetlands and Fish Habitat	

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
					Compensation Planning Team with a goal of updating and modifying compensation plans to meet the needs and requirements of the regulators, BW Gold, LDN and UFN. This team had already been formed and met to begin drafting a Charter to define the purpose, goals and outcomes of the Team, as it related to the habitat compensation plans. The Team would look at collaboratively developing restoration options that could be used as alternatives to currently developed options. An updated letter and draft Charter would be provided. 3. Cyanide Management Plans The Cyanide Management Plan was approved by BC EAO in February of 2022 and provided a web-link. At the request of the Nations, BW Gold had brought on a third-party auditor to review the plan and provide feedback. This review was currently being completed and once any feedback was provided, it would be shared with the Nations. 4. TSF- Reclamation/ End Use Plan Phase 1 and Phase 2 designs had been completed for TSF C. Life of Mine design reports had been completed for both TSF C and TSF	

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
					D however they were not at an Issued for Construction (IFC) level. More information could be shared as per the commitment to host a presentation. Both a Mine Plan, and a Reclamation and Closure plan had been completed and were included in the Major Mines Act Permit application, which was in an approved state. A web-link would be shared to the Mine Plan and the Reclamation Plans for records. The Reclamation and closure plan was a living document and was constructed under current conditions. The document was continually updated as conditions and technology evolved. Provided the web-link for the Mines Act/Environmental Management Act (MA/EMA). Chapter 3 contained the Mine Plan and Chapter 4 was the Reclamation and Closure Plan.5. Transmission Line Permitting BW Gold was in Round Three of Transmission Line (TL) permitting review. While BW Gold exp	

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4527	Updated Leadership Letter (LDN/UFN)	James Witzke;Steven Dean	2023-02-09	Email	Provided LDN and UFN with an updated letter from BW Gold CEO regarding wetlands and fish offsetting programs. The letter had been updated from the original January 30, 2023 letter and incorporated the collaborative changes made by BW Gold and the Nations to best reflect the desire and commitment to work together on the plans. It was BW Gold's understanding that based on those collaborative edits, representatives from the Nations agreed with the intention and content of the updated letter.	Provided an attached an updated letter from Steven Dean regarding wetlands and fish offsetting programs. This letter has been updated from the letter originally sent on January 30th and incorporates the collaborative changes that were made by BW Gold and the Nations to best reflect our desire and commitment to work together on these plans moving forward. It is our understanding that based on those collaborative edits, representatives from the Nations agree with the intention and content of this letter.
4544	Draft EMB Minutes (LDN/UFN)	Andrea St-Pierre;Jeremy Higham;Travis Desormeaux	2023-02-14	Email	Provided LDN and UFN with the draft February 7, 2023 Environmental Monitoring Board (EMB) meeting minutes for review. Requested feedback by February 28, 2023 and advised that a finalized version would be circulated on March 1, 2023.	Provided the attached draft Feb 7 EMB meeting Minutes for review/comment. Kindly send back any edits by Feb 28. The minutes will be finalized and re-circulated for your records on Mar 1.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
4591	EMB Meeting (LDN/UFN) Placeholder	Alexa Bossley;Andrea St-Pierre;Jack Love;James Baxter;James Witzke;Jeremy Higham;Quain Sulin;Sam Lynch;Sarah Harrison;Travis Desormeaux	2023-02-16	Meeting	Held an Environmental Monitoring Board (EMB) meeting with LDN, UFN, Keefer, and Okane. Discussed site updates/upcoming fieldwork, remote sensing workplan update; identify wetlands and fish offsetting sites in LDN and UFN territories, management plans/permitting updates, and new/other business.	Held an Environmental Monitoring Board (EMB) meeting with LDN, UFN, Keefer, and Okane. Discussed site updates/upcoming fieldwork, remote sensing workplan update; identify wetlands and fish offsetting sites in LDN and UFN territories, management plans/permitting updates, and new/other business.
13222	Ecologic presentation - Feb 16 EMB	Total number of attendees:12	2023-02-27	Email	Circulated the “Remote Sensing for Restoration Decision Support” presentation that was delivered by Mark Thompson (Ecologic) at the Feb 16 EMB meeting.	Circulated the “Remote Sensing for Restoration Decision Support” presentation that was delivered by Mark Thompson (Ecologic) at the Feb 16 EMB meeting.
13079	Finalized Feb 7 EMB MOMs	Total number of attendees:12	2023-03-01	Email	Circulated the finalized Feb 7 EMB meeting minutes.	Circulated the finalized Feb 7 EMB meeting minutes.
12953	FOP Information	Mike Keefer;Ryan Todd;Travis Desormeaux;X_Laurie Vaughan	2023-03-07	Email	Email to Mike Keefer about concerns about including the commitments from Steven's letter in the plan, as it may lead other Nations to request similar commitments, which could conflict with ongoing work. It is recommended to keep the commitments of the letter	Email to Mike Keefer about concerns about including the commitments from Steven's letter in the plan, as it may lead other Nations to request similar commitments, which could conflict with ongoing work. It is recommended to keep the commitments of the letter confidential to emphasize the commitments between Artemis and

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
					confidential to emphasize the commitments between Artemis and LDN/UFN with the regulators, without allowing others to dilute them.	LDN/UFN with the regulators, without allowing others to dilute them.
13025	Draft Mar 2 EMB Meeting Minutes (edits due Mar 21)	Total number of attendees:12	2023-03-07	Email	Circulated the draft Mar 2 EMB meeting Minutes.	Circulated the draft Mar 2 EMB meeting Minutes. Requested edits by Mar 21.
12983	21-HPAC-01447 Blackwater FAA application (LDN)	Claudette Gouger;Jeremy Higham;June Baptiste;Kevin deBoer;Ryan Todd;Travis Desormeaux	2023-03-09	Email	Circulated the updated Fisheries Act Authorization Application for the Blackwater Gold Project to LDN.	Provided a concordance table with updates to the FAAA in response to DFO's November 3, 2022, letter at the front end of the document as well as concordance table in response to review comments from LDN, UFN and CSFN. A link to the Updated application was also provided.
13258	21-HPAC-01447 Blackwater FAA application	Claudette Gouger;James Witzke;Jeremy Higham;Ryan Todd;Travis Desormeaux	2023-03-09	Email	Sent Rene Jimmy (LDN) link to March 2023 updated FAA.	Rene confirmed she had access to the link that Travis provided. Also, provided Jeana with a link.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
12929	Finalized Feb 16 EMB MOMs	Total number of attendees:18	2023-03-13	Email	Circulated the finalized Feb 16 EMB MOMs.	Circulated the finalized Feb 16 EMB MOMs.
12962	Draft letter to DFO regarding Fish Offsetting program	James Witzke;Jeremy Higham;June Baptiste;Ryan Todd;X_Laurie Vaughan	2023-03-14	Email	Advised UFN/LDN that BW Gold will be submitting a separate letter to the DFO with the FOP. The letter details and outlines UFN/LDN's expressed interest in identifying alternative fish offsetting sites within the nations territories and BW Golds commitment to work collaboratively with the Nations on the matter	Provided UFN/LDN with a draft letter that will be included with the FOP to be submitted to the DFO.
	F&W Charter follow up meeting	BWG, UFN, LDN, Keefer	2023-03-15	Meeting	Meeting to continue drafting the Fish and Wetlands Charter in real time.	Meeting held between BW Gold, UFN and LDN and their respective technical representatives to develop a draft charter, titled the "Fish and Wetlands Charter" for the identification and selection of alternative fisheries offsetting sites (the "**Charter**").
13376	BW Gold - IAAC DS 3.2 and 3.2.1 - Fish Salvage Plan	Travis Desormeaux	2023-03-16	Email	Draft fish Salvage plan circulated on March 24, 2022. Updated plan circulated on March 16, 2023 to provincial and federal regulators.	Provided updated draft of Fish Salvage plan to provincial and federal regulators on March 16, 203 Comments received from Federal reviewer on March 23, 2023. Acknowledged receipt on March 27, 203
	Meeting confirming base layers needed to	BWG, UFN, LDN, Ecologic,	2023-03-16	Meeting	EMB Meeting - Included discussion on developing criteria to identify potential offsetting	On March 16 BW Gold confirmed in this meeting that the base layers needed to perform modelling had been compiled, the consultant supporting LDN and UFN (Keefer) requested that this information be

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
	perform modeling	Keefer, O'Kane			opportunities, and an update on modelling being done by Ecologic.	made available to them so that they could review with the Nations.
	F&W Charter follow up meeting	BWG, UFN, LDN, Keefer	2023-03-22	Meeting	Meeting to continue drafting the Fish and Wetlands Charter in real time.	Meeting held between BW Gold, UFN and LDN and their respective technical representatives to continue developing a draft charter, titled the "Fish and Wetlands Charter" for the identification and selection of alternative fisheries offsetting sites (the "**Charter**").
13026	Finalized Mar 2 EMB Minutes & Mar 16 Meeting Materials	Total number of attendees:12	2023-03-24	Email	Circulated the March 2 EMB Minutes and March 16 meeting materials. • The finalized Mar 2 EMB Meeting Minutes • The March 16 EMB Site Update Presentation • The Updated permitting Gantt Chart (reviewed by Travis in the Mar 16 EMB meeting) • The Data Management and Sharing Protocols memo from Jack Love (see Action Item 2023-1.4)	• The finalized Mar 2 EMB Meeting Minutes • The March 16 EMB Site Update Presentation • The Updated permitting Gantt Chart (reviewed by Travis in the Mar 16 EMB meeting) • The Data Management and Sharing Protocols memo from Jack Love (see Action Item 2023-1.4)
12971	FOP Letter of support (LDN)	Ella Stillas;James Witzke;Jeana Moore;June Baptiste;Melina	2023-04-03	Email	A request was made to LDN leadership to consider providing a letter of support for our Fish Offsetting plan as required by the DFO for our permit.	Provided LDN leadership a draft copy of a letter of support for our Fish Offsetting Plan, as required by the DFO for our permit.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
		Chantyman; Violet Boyd				
13021	Draft Fish Offsetting Plan letter of Support (UFN)	Anthony Sims;Corrine Cahoose;James Witzke;Lynda Price;Mary Mabelene Leon;Rhonda Cahoose;Ruth Budgell;X_Laurie Vaughan	2023-04-03	Email	A request was made to UFN leadership to provide a letter of support for the Fish Offsetting plan, which is required by the DFO for our permit.	Provided UFN leadership with a draft letter of support for our Fish Offsetting plan required by the DFO for permitting.
	Leadership Meeting	BWG, UFN, LDN	2023-04-05	Meeting	Leadership Meeting- BWG commits to having draft Charter finalized by April 28th	At a meeting between BW Gold and UFN and LDN leaders, BW Gold committed to finalize the Charter and provide it to UFN and LDN for final review by April 28, 2023. BW Gold did deliver the final draft Charter to LDN and UFN on April 28th.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
	Email link to web map and high-level tutorial on web mapping tool developed by Ecologic	BWG, UFN, LDN, Ecologic	2023-04-13	Email/Meeting	EMB Meeting – Tutorial on web mapping tool developed by Ecologic.	An email providing the link to the web map that would be the basis to search for alternative offsetting sites was provided on April 13, while a high-level tutorial on its use was presented by BW Gold later that day. This link was provided to the Nations following the first round of modelling (August 31), and again following the update driven by discussions provided in Section (b) Screening Criteria (September 6).
13076	Letter from Steven Dean re: Fish Charter	James Witzke;Jeana Moore;Jeremy Higham	2023-04-17	Email	Provided Jeana Moore (LDN) with the letter that Steven Dean (CEO) sent to UFN/LDN leadership on Feb 9th regarding the Wetlands Plan, Fish Offsetting Plan and Fish Habitat Compensation Plan. Critical document to the creation of a fish charter.	Provided Jeana Moore (LDN) with the letter that Steven Dean (CEO) sent to UFN/LDN leadership on Feb 9th regarding the Wetlands Plan, Fish Offsetting Plan and Fish Habitat Compensation Plan. Critical document to the creation of a fish charter.
13244	F&W Charter follow up meeting	James Witzke;Jeana Moore;Jeremy Higham;Mikayla Davis;Mike Keefer;Ryan Todd;Travis Desormeaux;X_Laurie Vaughan	2023-04-25	Email	Email to Nations proposing to schedule a meeting to walk through the draft Fish and Wildlife Charter.	A request was made to the Nations proposing to schedule a meeting to walk through the draft Fish and Wildlife Charter.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13245	DFO check in on FAA	James Witzke;Ryan Todd;X_Laurie Vaughan	2023-04-25	Email	Advised the DFO's contact for UFN (Laurie Vaughn) that they were unable to reach her and that they have paused their review process until they consult with UFN on the comment tracker for the Fish Offsetting Plan tracker.	A request was made to Laurie Vaughn, the DFO's contact for UFN, to reach out to the DFO as soon as possible to consult on the FOP comment tracker.
12978	Blackwater (21-HPAC-01447) FAA Application - UFN Letter of Support	Jeremy Higham;Kevin deBoer;Laurie Vaughn;Ruth Budgell;Ryan Todd;Travis Desormeaux	2023-04-26	Email	Letter of support from Ulkatcho First Nation (UFN) to the DFO, for the BW Gold – Fisheries Act Authorization Application – Fish Offsetting Plan.	Letter of support from Ulkatcho First Nation (UFN) to the DFO, for the BW Gold – Fisheries Act Authorization Application – Fish Offsetting Plan.
13246	Charter follow-up	James Witzke;Jeremy Higham;June Baptiste;Mikayla Davis;Mike Keefer;Ryan Todd;Travis Desormeaux;X_Laurie Vaughan	2023-04-27	Email	Follow up with Jeana Moore (LDN) directly on discussing the fish and wetland charter.	Jeana preferred to wait until Laurie returned from holidays to meet about the Charter.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
12976	Draft Apr 13 EMB MOMs for review (due May 12)	Jeremy Higham;Randall Hennigar;Ryan Todd;Sam Lynch;Travis Desormeaux	2023-04-28	Email	Circulated the draft Apr 13 EMB meeting minutes.	Circulated the draft Apr 13 EMB meeting minutes.
13011	Draft Fish and Wetlands Charter for review	James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Travis Desormeaux	2023-04-28	Email	Circulated to LDN/UFN the draft Fish and Wetlands Charter for review.	Provided the final draft of the Fish and Wildlife charter to UFN/LDN leadership for review, as discussed at the Leadership meeting on April 5th. LDN did not raise any concerns with or request any revisions to the Charter as delivered on April 28, 2023, but also did not approve it for implementation.
13013	Draft Apr 27 EMB MOMs for review (due May 16)	Alexandra Gresiuk;James Witzke;Jeremy Higham;Quain Sulin;Randall Hennigar;Ryan Todd;Sam Lynch;Travis Desormeaux	2023-05-02	Email	Circulated the draft Apr 27 EMB meeting minutes.	Circulated the draft Apr 27 EMB meeting minutes.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
	BW Gold reached out to UFN's counsel for meeting	BWG, UFN	2023-05-16	Email	On May 16th 2023 BW Gold reached out to UFN's counsel, Aaron Bruce (at UFN's request) to set up a meeting to review Mr. Bruce's comments on the Charter.	-
13075	Criteria for FW Charter and alternative offsetting sites	James Witzke;Jeremy Higham;Ryan Todd	2023-05-17	Email	Provided screening criteria to UFN/LDN. Consultation of charter/ Fisheries Act authorization fining alternative offsets.	Provided screening criteria to UFN/LDN. Consultation of charter/ Fisheries Act authorization fining alternative offsets.
13195	Finalized Apr 27 EMB MOMs	Total number of attendees:17	2023-05-18	Email	Provided a draft of April 27th's EMB Meeting minutes to be reviewed. It was requested that any edits or comments be made by Tues May 16th.	Provided the finalized April 27th EMB meeting minutes.
13031	Fish and Wetlands Charter meeting Action Items	Candice Alderson;James Witzke;Jeana Moore;Ryan Todd;X_Laurie Vaughan	2023-05-19	Email	Meeting with UFN/LDN and lawyer Aaron Bruce to review current version of the Fish and Wetlands Charter	Meeting to discuss Charter with a view to finalization.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13192	Draft Apr 13 EMB MOMs for review (due June 6)	James Witzke;Jeremy Higham;Quain Sulin;Randall Hennigar;Ryan Todd;Sam Lynch;Travis Desormeaux	2023-05-23	Email	Received comments from UFN/LDN on EMB Action item 2023-9.3 and have noted the comments with BW Gold's response directly in the Action Items table (see attached meeting minutes).	Received comments from UFN/LDN on EMB Action item 2023-9.3 and have noted the comments with BW Gold's response directly in the Action Items table (see attached meeting minutes).
	Updated version of the charter which incorporated the edits proposed by counsel during the May 19th meeting.	BWG, UFN	2023-05-23	Email	Email to meeting attendees outlining action items from May 19th Charter meeting.	BW Gold sent UFN legal counsel an updated version of the charter which incorporated the edits proposed by counsel during the May 19th meeting. BW Gold requested that UFN counsel provide a time to review the proposed changes to ensure they were satisfactory. A response was not provided by UFN counsel to BW Gold.
	Call between Candice Alderson and Aaron Bruce	BWG, UFN	2023-05-29	Meeting	On May 29th 2023 BW Gold (Candice Alderson) had a call with Mr. Bruce to inquire as to the status of his review of the Charter. Ms. Alderson was advised that Mr. Bruce had reviewed the Charter but needed to contact his client to receive instructions to send them to us and he would provided them in the next day or two. Mr. Bruce also reminded BW Gold that he	-

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
					did not represent LDN in this matter.	
12982	Charter - Next Steps	James Witzke;Jeana Moore;Jeremy Higham;Ryan Todd	2023-05-30	Email	A request was made to UFN/LDN to review The Fish and Wetlands Charter to finalize. Comments or questions specifically on the screening criteria were requested kindly by May 23rd.	Provided specific screening criteria developed by Ecologic and discussed previously with UFN/LDN are as follows: -Identification as to whether the potential offset area is on private or public land. -Identification as to whether the potential offset area is within UFN and/or LDN territory. -Whether the potential offset area can support colocation of fish and wetlands offsets. -Accessibility to the potential offset area -Whether existing data on the potential offset area is currently available -Whether the offset area is within the Capoose High Elevation Ungulate Winter Range Offsetting Area as such area is defined in the Caribou Management Plan.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13131	FAA meeting on Friday June 2	James Witzke;Jeremy Higham;Mark MacDougall;Ryan Todd	2023-06-01	Email	AS UFN could not make the previously scheduled meeting with SVS and LDN, the meeting did not move forward. Given this, we feel that it is critical for the Nations to speak with SVS prior to us all meeting as a group. I have cancelled the meeting that we had scheduled tomorrow so that SVS can use that time to schedule a meeting with LDN and UFN reps. It is my understanding that UFN will have a rep available to attend. I have included Wilma Mack in this email so that the invitation can be provided to their representative for the meeting.	Advised Nations that it is critical for the Nations to speak with SVS prior to us all meeting as a group. The meeting that was scheduled so that SVS can use that time to schedule a meeting with LDN and UFN reps.
13249	SVS Comments, Blackwater Gold FAA	James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Ryan Todd;Vanessa Gottfriedson	2023-06-02	Email	Provided UFN/LDN with the comment tracking table produced by Shared Value Solutions on the FAA. Proposed dates for further discussions on the F and W Charter.	Provided UFN/LDN with the Comment tracking table provided by Shared Value Solutions on the FAA. The table has these additions: - Colour-coding which we used to help sort our team by discipline, and then to flag addressed and not addressed comments. - SVS comments (column O) - A “Yes”/”No”/”Maybe” flag for outstanding issues (column P) - A note regarding whether comments would be covered by potential DFO permit conditions (column Q)

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13016	3.14 Site Selection Memo	Al-Nashir Jamal;James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Mark MacDougall;Morgan Edwards;Ryan Todd;Travis Desormeaux;Vanessa Gottfriedson	2023-06-05	Email	This is consultation related to FN comments on the Fish Offsetting plan/fisheries act authorization conditions (also a federal decision statement condition). Note we also met with LDN and their consultant 11-12 today and LDN, UFN and their consultant at 1-230 today on the fisheries act authorization conditions. Memo sent on June 7, 2023. Also attached is an update to the temperature station table with a column added to provide a description of the mesohabitat.	Following the communications above, Ryan sent the 3.14 site selection memo to the group on June 7, 2023 (see email attached in supporting docs). Also attached is an update to the temperature station table with a column added to provide a description of the mesohabitat.
13250	BWG FAA Discussion	James Witzke;Jeana Moore;Jeremy Higham;Mark MacDougall;Morgan Edwards;Ryan Todd	2023-06-05	Email	Correspondence with Shared Value Solutions on outstanding concerns and work towards a resolution in advance of SVS's comments going to DFO and Tuesday's meeting with DFO.	Provided links to the DS Condition 3.14, 3.16 and the 2022 Palmer field report to Shared Value Solutions and Jeane Moore (LDN).

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13251	BWG FAA DFO Conditions	Jeana Moore;Jeremy Higham;Laurie Vaughn;Mark MacDougall;Morgan Edwards;Ryan Todd	2023-06-05	Email	Mark Macdougal (Shared Value Solutions) provided BW Gold and UFN/LDN with a condensed list of outstanding concerns to be addressed in the FAA DFO Conditions.	SVS provided 14 of the 33 outstanding concerns which they considered to be "root" issues and their proposed remedies. SVS also attached the BWG Fisheries Act Resolution and Recommendation document.
13033	Finalized Apr 13 EMB MOMs	James Witzke;Jeremy Higham;Kelsey Tanaka;Ryan Todd;Travis Desormeaux	2023-06-08	Email	Circulated the finalized April 13 EMB meeting minutes.	Circulated the finalized April 13 EMB meeting minutes.
13137	EMB - Management Plans update	James Witzke;Jeremy Higham;Sarah Harrison;Travis Desormeaux	2023-06-08	Email	Sent updated status of management plans as per the EMB including:	Sent updated status of management plans as per the EMB: Aquatic Effects Monitoring Plan, Surface Erosion Prevention and, Sediment Control Plan, Soil Management Plan, Construction Environmental Management Plan, ML/ARD Management Plan, Mine Site Water and Discharge Monitoring and Management Plan, Vegetation Management Plan, Invasive Plant Management Plan, Wildlife Mitigation and Monitoring Plan, Archaeological and Cultural Heritage Resource Management Plan, Mine Emergency Response Plan, Mine Site Traffic Control Plan, Fuel Management

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
						and Spill Control Plan, Chemicals and Materials Storage, Transfer and Handling Plan, Waste (Refuse and Emissions) Management Plan,Air Quality and Fugitive Dust Management Plan.
	Comments from LDN/UFN on draft charter and screening criteria	BWG, UFN, LDN	2023-06-09	Email	UFN and LDN delivered comments to BW Gold on June 9, 2023 on draft charter and screening criteria.	During development of the Offsetting Criteria, BW Gold requested input from LDN and UFN on alternative offsetting sites they might consider for more investigation. No sites were identified by UFN and LDN for further investigation in 2023.
13403	Fish and Wetlands Charter meeting	Alexa Bossley;James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Ryan Todd;Travis Desormeaux;Vanessa Gottfriedson	2023-06-13	Meeting	Email invitation sent on June 12, 2023 to discuss the fish and wetlands charter. The meeting occurred on June 13, 2023	The meeting to discuss the Fish and Wetland Charter occurred on June 13, 2023.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13236	Charter follow-up meeting	James Witzke;Jeana Moore;Jeremy Higham;Ryan Todd	2023-06-15	Email	Advised Jeane Moore (LDN) that we are available to further discuss the Fish and Wildlife charter.	LDN responded that they would like to continue the discussions and finish working on the Fish and Wildlife Charter when Laurie Vaughn is available to participate.
13235	Fish and Wetlands Charter Screening Criteria Update	James Witzke;Ryan Todd;Sarah Harrison;Travis Desormeaux	2023-06-19	Email	provided Fish and Wetlands charter screening criteria update. document outlines the proposed changes based on the recent conversations had on the selection criteria for potential offset sites.	In advance of the JIC meeting, sent out a screening criteria update. The document outlines the proposed changes based on the recent conversations had on the selection criteria for potential offset sites.
13019	Charter - next steps	James Witzke;Jeana Moore;Jeremy Higham;Pamela Garner;Ryan Todd;X_Laurie Vaughan	2023-06-22	Email	Provided Pamela Garner (UFN) with the most recent version of the Fish and Wetlands Charter and the proposed screening criteria.	Provided Pamela Garner (UFN) with the most recent version of the Fish and Wetlands Charter and the proposed screening criteria.
13042	Charter follow-up meeting	James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Pamela	2023-06-23	Meeting	Fish and Wildlife Charter follow up meeting.	Fish and Wildlife Charter follow up meeting.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
		Garner;Ryan Todd;Vanessa Gottfriedson				
12944	JIC Meeting Action Items	James Witzke;Pamela Garner	2023-06-27	Email	Action items from the JIC meeting to follow up on with UFN.	Advised UFN, as per the JIC meeting action item, that we are to determine C&C's interest in a site visit regarding fish offsetting sites and details concerning conditions.
13036	FOP letter of support (UFN)	Anthony Sims;Betty Cahoose;James Witzke;Jeremy Higham;Lynda Price;Mary Mabelene Leon;Rhonda Cahoose;Ryan Todd;X_Laurie Vaughan	2023-06-27	Email	Provided UFN with a draft letter of support for the Fish Offsetting Plan to review and return.	Provided UFN with a draft letter of support for the Fish Offsetting Plan to review and return. Advised UFN of the time sensitive nature of receiving the letter of support.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13040	Draft June 8 and 22 EMB MOMs for review (due July 20)	James Witzke;Jeremy Higham;Kelsey Tanaka;Ryan Todd;Travis Desormeaux	2023-07-06	Email	Circulated the draft June 8th and 22nd EMB meeting minutes.	Circulated the draft June 8th and 22nd EMB meeting minutes.
13174	Finalized June 8 and 22 EMB MOMs	James Witzke;Jeremy Higham;Quain Sulin;Randall Hennigar;Ryan Todd;Travis Desormeaux	2023-07-21	Email	Circulated the finalized June 8 and 22 EMB meeting minutes.	Circulated the finalized June 8 and 22 EMB meeting minutes.
13383	EMB and JIC	Alexandra Gresiuk;Jeremy Higham;Melissa Barcellos;Travis Desormeaux	2023-08-03	Email	Introduction to Alyisha Knapp (new UFN rep) and engagement on committees such as EMB and JIC. Also provided some important items that need UFN's attention.	Alyisha had noted she received the email and will review the content over the weekend. Included discussions on the Offsetting Criteria, no changes to the criteria were made following this discussion and the first round of modelling occurred.
13395	Follow-up from last week's EMB meeting	James Witzke;Jeremy Higham;Ryan	2023-08-16	Email	Documents sent to Laurie requested by her during the August 3rd EMB meeting.	Laurie indicated that she received the documents.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
		Todd;Travis Desormeaux				
13404	Draft July 20 and August 3 EMB MOMs for review (due August 31)		2023-08-17	Email	Circulated the draft July 20 and August 3 EMB MOMs for review (due August 31).	-
13459	BW Gold FAA 21-HPAC-01447 - C3.1.3.1 - July 2023 monthly report	Total number of attendees:1 1	2023-08-18	Email	Submission of the July 2023 Monthly monitoring report as per FAA 21-HPAC-01447 - C3.1.3.1 - monthly report condition.	Compliant with FAA 21-HPAC-01447 - C3.1.3.1 -monthly report permitting requirement for Blackater Fisheries Authorization. Submitted July 2023 report.
13435	Habitat Offsetting criteria	Alyisha Knapp;James Witzke;Jeremy Higham;Marie-Catherine Fournier	2023-08-21	Email	Provided UFN with the draft criteria for alternative offsetting sites developed by Ecologic and signed off on by LDN. 8/21/2023- Provided UFN with a copy of Steven Dean's letter from Feb 9th regarding the FW Charter.	Provided UFN with the draft criteria for alternative offsetting sites developed by Ecologic and signed off on by LDN. 8/21/2023- Provided UFN with a copy of Steven Dean's letter from Feb 9th regarding the FW Charter.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13652	BW Gold FAA - C3.6 - Schedule of Activities	Jason Hooft;Mark Warbanski; Robert St Jean;Ryan Todd;Travis Desormeaux	2023-08-25	Email	As per fisheries Authorization C3.6 provided regulators with Site construction schedule, Fish salvage figures showing 2023 and 2024 focus areas and offsetting construction schedule.	Schedule as required by FAA C3.6. • Site construction schedule: Blackwater-Gold-Project-Environmental-Assessment-Decision-Statement-Condition-11-Schedule-V3-2023-04-24.pdf (blackwatergoldmine.com) • Fish salvage schedule figure attached. 2023 salvage focus areas shown in RED and those targeted for 2024 in GREEN. • Offsetting construction schedule is as noted in the March 2023 – BW Gold - Fish Offsetting Plan, however, subject to potential revisions based on the outcomes of the FAA C6.3 offset alternatives proposal due for submission to DFO no later than Feb 29, 2024.
13534	August 31 EMB Meeting Summary		2023-08-31	Email	Circulated a summary of the August 31 EMB meeting.	Given sensitivities related to those dates on the Fish and Wetland Offsetting Alternatives Assessment and End Land Use Plan workshop, a summary of key take aways was provided.
13606	BW Gold - Fisheries Act Authorization Condition 6.3 - Alternatives Offset Proposal	Alexandra Gresiuk;James Witzke;Jeremy Higham;Ryan Todd;Travis Desormeaux	2023-09-06	Email	Travis updated the portal with the additional feedback as well as the requested pdf. maps requested by UFN and LDN. A request was made to LDN and UFN to provide feedback on favored locations by the agreed upon dates.	Travis updated the portal with the additional feedback as well as the requested pdf. maps requested by UFN and LDN. A request was made to LDN and UFN to provide feedback on favored locations by the agreed upon dates. Sept 12/23 - Travis followed up per his last email requesting that LDN/UFN please provide feedback on LDN's favored offsetting potential locations from the attached option in line with the dates

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
						agreed on in the last EMB meeting. Important to plant he field work reconnaissance at the earliest opportunity.
13541	Ecologic Preliminary Field Trip	Alyisha Knapp;Jeana Moore;Jeremy Higham;Laurie Vaughn;Travis Desormeaux	2023-09-08	Email	Requesting feedback from LDN/UFN on the sites discussed by September 6th and UFN committed to providing feedback by Sept 8. At this point in time, we have not received feedback from either Nation.	On September 11, 2023, UFN provided feedback on fish offset alternatives (fisheries act auth condition 6.3) from UFN.
13545	LDN mtg to discuss alternate offsets	Alexandra Gresiuk;Jeremy Higham;Travis Desormeaux	2023-09-14	Email	Email correspondence with Jeana Moore (LDN) regarding the meeting with LDN to discuss alternate offsets for FAA 6.3.	Laurie (LDN) had initially cancelled the meeting that was meant to be held online today. Outcome included Jeana arranging with Laurie and LDN Council to come to the Vancouver offices at 3:30 to have this meeting.
13553	Bi-Weekly EMB Meeting	Total number of attendees:12	2023-09-14	Email	Circulated draft minutes from the August 31 EMB meeting.	Circulated draft minutes from the August 31 EMB meeting.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13563	BW Gold FAA 21-HPAC-01447 - C3.1.3.1 - July 2023 monthly report and C3.6 Schedule of Activities submission	Travis Desormeaux	2023-09-14	Email	Circulated July Fisheries Act Authorization report, providing timing for the August report asked for clarification of Nations would like to continue to receive report notification email.	Circulated July Fisheries Act Authorization report, providing timing for the August report asked for clarification of Nations would like to continue to receive report notification email. LDN comments that they would like to continue to receive reports and notifications
13595	Riparian Workshop	Alyisha Knapp;James Witzke	2023-09-14	Email	A response to UFN asking if a presentation on the fish and wetland offsetting plan had been given to the community. It was confirmed that it had been given.	Affirmation was given to UFN that we did provide a community presentation on our fish and wetland offsetting plan.
13653	BW Gold FAA 21-HPAC-01447 - C3.6 Schedule of Activities submission - Reporting Schedule	Alexandra Gresiuk;Claudette Gouger;James Witzke;Jeremy Higham;Mark Warbanski; Ryan Todd;Sam Lynch;Travis Desormeaux	2023-09-15	Email	Shared the BW Gold FAA - C3.6 - Schedule of Activities – Reporting Schedule.	Shared the BW Gold FAA - C3.6 - Schedule of Activities – Reporting Schedule.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13577	Finalized August 21 EMB MOMs	Alexa Bossley;Alexandra Gresiuk;James Witzke;Jeremy Higham;Kelsey Tanaka;Mark Warbanski; Quain Sulin;Randall Hennigar;Ryan Todd;Travis Desormeaux	2023-09-18	Email	Circulated the finalized August 21 EMB meeting minutes.	Circulated the finalized August 21 EMB meeting minutes.
13588	BW Gold FAA 21-HPAC-01447 - C3.1.3.1 - August 2023 monthly report	Alexandra Gresiuk;James Witzke;Jeremy Higham;Mark Warbanski; Ryan Todd;Sam Lynch;Travis Desormeaux	2023-09-20	Email	Circulated the August 2023 Monthly FAA Report.	As per condition 3.1.3.1 Circulated the August Monthly FAA Report. Asked as per BW Gold's Fisheries Act Authorization 21-HPAC-01447, Condition 6.1, to advise of recipients wished to cease receiving notifications please let BWG know.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13654	BW Gold FAA 21-HPAC-01447 - C3.1.3.1 - August 2023 monthly report	Total number of attendees:12	2023-09-20	Email	As per 3.1.3.1 Submitted August Monthly Monitoring Report.	As per 3.1.3.1 Submitted August Monthly Monitoring Report.
13614	LDN Offsetting Alternative Selection Sept 14 Meeting	Alexandra Gresiuk;James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Marie-Catherine Fournier;Ryan Todd;Travis Desormeaux	2023-09-26	Email	A summary of our discussion with LDN to confirm details communicated before taking the next step and evaluating the priority fish offsetting sites in the field.	The details in the summary included: Offsetting Criteria and Mapping Revision, LDN Alternative Offsetting Site Discussion and Selection, LDN Alternative Site Selection and offsetting future discussions.
	Proposed sites from UFN	BWG, UFN	2023-09-26	Email	Email from Alyisha Knapp to James Witzke with proposed sites for further investigation identified.	On September 26, 2023, UFN identified two priority sites for further reconnaissance work: 1. Johnny Lake/ Fawnie Creek 2. Tatscha Lake site (south of the Mine)

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13623	BW Gold - Alternative offsetting sites investigation - field plan	Alexandra Gresiuk;James Witzke;Jeana Moore;Jeremy Higham;Laurie Vaughn;Marie-Catherine Fournier;Ryan Durand;Ryan Todd;Travis Desormeaux	2023-09-27	Email	Provided a preliminary field plan to UFN/LDN to complete the required field work to satisfy condition 6.3 from the BW Gold Fisheries Act Authorization as well as to evaluate alternative wetland offsetting options as required by EAO in their letter to BW from Feb 14, 2022.	The preliminary field plan included included details on the following: - Travel Schedule -Logistics -Safety -field Surveys

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13662	Offsetting sites field work	Alyisha Knapp;Derek Kowalchuk;James Witzke;Jeremy Higham;Laurie Vaughn;Ryan Todd;Travis Desormeaux	2023-10-03	Email	Email to LDN/UFN inquiring about conducting field investigation	Email to LDN/UFN inquiring about conducting field research. Notifying that the team will be heading out on Oct 10 and will be remaining in the field for the week. Asking if someone from LDN/UFN will be joining the team for the field work. As previously discussed, we can investigate the possibility of one of the Aboriginal monitors joining the team if that works for LDN/UFN. October 4/23 - Derek spoke with the UFN operations manager as well brought it up with Chief and Council and have expressed they would like Quain to participate in the field work/research. October 4/23 - Travis responded to Derek and had said he is confirming with site to see if Quain or Randall (or both) are able to participate. October 5/23 - Travis reaching out to Derek and Laurie to see if it's UFN's preference that Quain attends the EAO inspection or the Ecologic field work? Also, Quain's shift ends on October 11th and he and Randall are normally in transit on October 12th so we are checking with Randall (LDN env. monitor) to see if he's able to come into site a day early so he is there to participate in the Ecologic field work and to prevent a gap without both Quain and Randall (if possible).

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
						October 6/23 - Derek had said it would be useful to have either Quain or Randall attend both inspection and then meet up for the research/field work. Also, it's important that, as we aren't going to be there, they participate in both events. October 6/23 - Travis had said that the plan is to have Quain attend the EAO inspection and leave after the end of the inspection for his regular days off. We're also currently working on a plan to have Randall come in a day early to support the Ecologic field work for the week. October 6/23 - Alyisha asked for Quain's number and Travis gave it to her. October 6/23 - Laurie provided her support the environmental monitors to participate in the field work.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
13777	UFN/LDN field work participation	Alyisha Knapp;James Witzke;Jeremy Higham;Laurie Vaughn;Ryan Todd;Travis Desormeaux	2023-10-10	Email	Advised UFN/LDN that for logistics, we will need to know in advance if they will be joining the team for upcoming fieldwork on restoration sites. An inquiry into the possibility of the Aboriginal Monitors Quain and Randall join the field work team on behalf of LDN/UFN .	LDN provided their support in having the Aboriginal Monitors join the fieldwork team on their behalf.
13778	Restoration Site Map	Alyisha Knapp;James Witzke;Travis Desormeaux	2023-10-10	Email	Provided an attached copy of the Restoration sites map to UFN.	Provided an attached copy of the Restoration sites map to UFN.
13743	FAA 21-HPAC-01447 - C3.1.3.- Sept/23 Report- First Nations	Total number of attendees:20	2023-10-19	Email	Provided BW Gold's - FAA 21-HPAC-01447 - C3.1.3.1 – September 2023 monthly report to First Nations groups, In Accordance with BW's FAA	Provided BW Gold's- FAA 21-HPAC-01447 - C3.1.3.1 – September 2023 monthly report. BW Gold delivered a summary report of the field reconnaissance to the Environmental Management Board.
13776	Fish/Wetland Offsetting field work last week	Mark Warbanski; Quain Sulin;Randall Hennigar;Ryan Todd;Travis Desormeaux	2023-10-23	Email	Provided notes to the Aboriginal Monitors from UFN/LDN that participated in the field work done the previous week. In addition, Photos were sent, and a copy of the Restoration site map was attached.	Notes provided included details on the following sites: Creek 661, Van Tyne Creek, Jonny Lake/Fawnie creek, Laidman Lake, Tatscha Lake, Northern Sites.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
	EMB – Review of October field reconnaissance	BWG, UFN, LDN	2023-11-01	Meeting	BWG team provides overview of observations to EMB of observation made during October field reconnaissance	On November 1, 2023, the EMB met to review the summary report of the field reconnaissance prepared by Ecologic. During that meeting, the EMB members agreed that the Johnny Lake area provided the best opportunity for alternative offset sites.
	Draft proposal to EMB and IC for review	BWG, UFN, LDN, SVS	2023-12-14	Email	BWG sends draft alternatives proposal (report required by condition 6.2) to EMB and IC for review	Travis sent the report out for review (including to the IC [Independent Consultant]). Alyisha followed up requesting confirmation that the IC would be reviewing the document, Travis confirmed that SVS (the IC) had been cc'd in the submission and would be reviewing.
	Meeting on C6.3	BWG, UFN, LDN	2024-01-12	Meeting	Parties meets to discuss 6.3 report	No discussion on the charter, but action items were reviewed. Alyisha noted that she would follow up on the action to provide comments.
	SVS comments on 6.3	BWG, SVS	2024-01-12	Email	SVS emails BWG with comments on their review of the draft 6.3 proposal	Following the EMB meeting, SVS provided comments based on their review of the alternative offsetting report.

ID	Engagement title	Attendees	Date of engagement	Method	Description	Outcome
	EMB – discussion on 6.3 and Charter	BEG, UFN, LDN	2024-01-25		EMB Meeting – Discussion on the Offset Alternatives Proposal comments provided by SVS.	Discussion on IC review of the 6.3 report.
	Timing/Clarity on comments for 6.3	BWG, UFN, LDN	2024-02-08	Email	LDN and UFN requested clarity on when responses to those comments provided would be sent. Timing of the 6.3 offsetting report was discussed relative to the Feb 29 date set by FAA condition 6.3.	-
	Responses to SVS	BWG, UFN, LDN, SVS	2024-02-13	Email	BWG provided responses to SVS comments on 6.3	-

APPENDIX C. TERMS OF REFERENCE

Blackwater Project Fish and Wetlands Charter

DRAFT FOR REVIEW BY ALL PARTIES – MAY 23, 2023

1. Overview

As part of the regulatory process for the Blackwater Project, BW Gold Ltd. ("**BW Gold**"), in collaboration with LDN and UFN and other First Nations and government representatives, have developed three compensation/offset plans relating to wetlands, fish and fish habitat. The relevant plans (the "**Plans**") are set out in the table below, along with each of their status with the relevant regulatory bodies that oversee such Plans:

Plan	Status with the relevant regulatory bodies	Notes
Wetlands Management and Offsetting Plan (WMOP)	Plan approved with direction to continue to engage with LDN and UFN.	Letter dated Feb 14, 2023, from EAO provides details on next steps and timelines.
Fish Offsetting Plan (FOP) for Fisheries Act Authorization	Plan submitted to DFO.	Letter of support received from LDN and a letter of support received from UFN that did not follow the form of the Participation Agreement.
Fish Habitat Compensation Plan (FHCP) for Schedule 2 Amendment	Plan submitted to ECCC. Currently undergoing government review with expected decision by June 2023.	Letters of support received from both LDN and UFN.

In reviewing the WMOP, the FHCP and FOP, LDN and UFN expressed concerns with the locations and technical merits of some of the offsetting projects proposed by BW Gold. Recognizing these concerns, BW Gold agreed to meet with LDN and UFN on January 26, 2023, to find a path forward. Following the meeting, Steven Dean, Chairman and CEO of Artemis Gold Inc., provided a letter dated February 9, 2023, to LDN and UFN (the "**February 9 Letter**") expressing his support for the joint development of a Fish and Wetlands Charter (the "**Charter**") to guide collaborative efforts in identifying potential alternative fish and wetlands offsetting opportunities in connection with the relevant Plans and all subject to the conditions of the February 9 Letter.

2. Background on the Relevant Plans

For a high-level summary of the background on the relevant Plans, such information is attached as Appendix A.

3. Purpose

The Charter outlines how the Fish and Wetlands Committee (FW Committee) will work collectively, and collaboratively, to identify alternative fish and wetland offsets that are scientifically defensible, culturally

relevant/acceptable, economically feasible and acceptable to all parties, including the regulatory agencies, all in a manner that is consistent with the February 9 Letter.

4. Objectives

The objective of the Charter is to create a roadmap for the FW Committee to follow in identifying, evaluating, and recommending potential alternative fish and wetlands offsets to the Environmental Management Board (EMB) for consideration in a manner consistent with the February 9 Letter and any applicable regulatory requirements.

5. FW Committee

The FW Committee members will be selected based on their expertise in developing wetland and fish habitat offsetting measures. The FW Committee will include members of BW Gold and their technical experts and members of UFN and LDN and their technical experts. The proposed FW Committee is set out below:

LDN/UFN Consultants **[insert]**

LDN Representative – **[Insert]**

UFN Representative - **[Insert]**

BW Gold Representative - Travis Desormeaux (Alternate - James Witzke)

ERM - Wade Brunham (Alternate - Kris Hallinger)

Palmer - Ian MacLeod (Alternate - Glen Wagner)

Ecologic - Natasha Bush (Alternate - Ryan Durand)

The Parties recognize the short timeframe for the execution of the Objectives of this Charter (as set out in Section 4) and as a result have selected consultants/representatives that are committed, barring unforeseen circumstances, to the Charter Schedule and Milestone Dates as set out herein.

6. FW Committee Scope of Responsibilities

The scope of responsibilities for the FW Committee is as follows:

<u>In Scope</u>

1. Attendance at the FW Committee meetings. Such meetings will be held by conference call or as in person meetings when required to drive efficiencies, as may be agreed upon by the parties.
2. Complete action items and Milestone Dates by the dates set out in the Charter Schedule attached as Appendix D **[NTD: A schedule has been developed (identifying Milestone Dates) by BW Gold and a draft has been delivered to LDN and UFN – a further revised/updated draft has been delivered with this revised Charter]**
3. Attendance by one committee member from each party to participate in EMB meetings, as may be required, to provide updates or seek the necessary approvals. If FW Committee members

cannot attend, a designated alternate may fill in for that person. If the majority of the FW Committee cannot attend, the EMB will decide if the update should still take place.

4. Discuss and review any proposed alternative offsetting sites presented by UFN and LDN (in accordance with the Charter Schedule), that are not derived from Pixel Hunter, but that may be presented by UFN and LDN after considering the screening criteria set out in Appendix B (the "Screening Criteria").
5. Input the Screening Criteria into Pixel Hunter, a remote sensing program made available by Ecologic, to develop a short-list of proposed alternative offsetting sites (up to a maximum of four (4)) for consideration by the EMB. The EMB will select no more than two (2) proposed alternative offsetting sites from the short list provided to the EMB (the "Final EMB Proposed Alternative Offsetting Sites").
6. Prepare a memo for the EMB detailing how the alternative proposed offsetting sites have been selected, the Screening Criteria that has been met, along with any other necessary information that may be of assistance in assessing and determining the Final EMB Proposed Alternative Offsetting Sites.
7. BW Gold Representative will discuss with a DFO representative any proposed alternative offsetting site, prior to the presentation to the EMB, and if necessary, prior to the selection of the Final EMB Proposed Alternative Offsetting Sites, or, if applicable, the final proposed alternative offsetting sites agreed to by the Chiefs and CEO if the matter is under dispute and is resolved in accordance with Section 9 of this Charter (the "Final Chiefs' Proposed Alternative Offsetting Sites"). The purpose of this discussion is to gather feedback on acceptability of any proposed alternative offsetting sites and receive tacit confirmation/feedback on such sites, to the extent DFO is prepared to do so.

<u>Out of Scope (i.e. not a part of the Charter mandate)</u>

1. Final decision on offset alternatives to carry forward to revised FOP, FHCP and/or WMOP.
2. Field work to support baseline data collection and/or design of alternative offset sites.
3. Community outreach and other engagement activities.
4. Government/regulatory engagement, other than as set out in this Charter under Section 6 (point 7).
5. Preparation of revised offsetting plans.
6. Implementation of revised offsetting plans.

The FW Committee's mandate under this Charter will conclude on presenting recommendations to the EMB on alternative offsets. The FW Committee will make recommendations to the EMB for alternative potential offsetting sites in accordance with the Charter Schedule. The parties acknowledge the importance of the Charter Schedule and meeting the dates in order for the work completed under this Charter to be effective and implemented.

7. Commitments

On January 30, Steven Dean sent a letter of commitment to LDN and UFN regarding the WMOP, FOP and FHCP. After review of such letter, and in collaboration with the Nations, a revised letter (the February 9 Letter) replaced the January 30. The February 9 Letter is attached as Appendix C. The February 9 Letter provides BW Gold's commitments on each of the plans and is the fundamental document for the development of the purpose and objective of this Charter and for the commitments that BW Gold can

make in connection with this Charter and any Final EMB Proposed Alternative Offsetting Sites or Final Chiefs' Proposed Offsetting Sites.

8. Critical Success Factors

Working Together With Trust

The success of the Charter Objectives will depend on collaborative efforts to build a strong and resilient relationship with like-minded goals. A partnership based on trust and goodwill will provide a platform to achieve our mutual goals.

Transparency

The success of the FW Committee will be based partly on prompt attention to critical issues and obstacles. The FW Committee's aim is to build trust and be transparent while working collaboratively.

Timelines

Timeliness is a critical factor. Success of meeting the Objectives of this Charter depends on timely completion of key milestones in order to initiate and complete construction and begin mine operation in a financially viable timeframe. In addition, approvals on offset plans have legally binding obligations related to the timing on the initiation of offsetting plans. There is a seasonal component to field work and actual execution of offsetting that must be considered as well. As noted above, the FW Committee will develop a schedule for their work as their first task and will complete the Objectives set out in this Charter on a timeline that does not impact the Blackwater Project Schedule.

Working within Existing Regulatory Framework, Approvals and Participation Agreement

In order to incorporate alternate offset projects into offset plans, BW Gold and the Nations have requested project regulators be flexible and consider potential offsetting plan amendments. Environment and Climate Change Canada ("**ECCC"**) and the Department of Fisheries and Oceans ("**DFO**") have indicated their willingness to consider potential offset alternatives. However, had advised that any alternatives need to follow the due process and requirements of amendments to the approved FHCP and FOP, including review and approval by DFO senior fisheries biologists and following required processes outlined by ECCC. This is outside the control of LDN, UFN or BW Gold.

The February 9 Letter sets out requirements for potential alternate offsets to be included in future offsetting plan amendments. Development of revised offsets as agreed by the LDN, UFN and BW Gold will be completed by BW Gold and will follow established process within the Participation Agreement or regulatory process as appropriate. This Charter in no way replaces or amends the commitments within our Participation Agreement, and where there may be differing views or inconsistencies, the commitments within the Participation Agreement prevail.

9. Approvals Process and Decision Making

The FW Committee will work to fulfill the scope outlined in this Charter.

The FW Committee will strive to make decisions by consensus. Where consensus decisions cannot be reached by the FW Committee based on their Scope set out in this Charter, the matter under dispute will be referred to EMB for decision.

The following steps will be taken by the various parties/committees under this Charter, or referred to in this Charter, to derive the Final EMB Proposed Alternative Offsetting Sites, or the Final Chiefs' Proposed Alternative Offsetting Sites (if applicable):

- The FW Committee will select a maximum of four (4) proposed alternative offsetting sites based on the Screening Criteria;
- The BW Gold Representative will engage with DFO representative in accordance with the Scope set out in Section 6;
- The FW Committee will present a maximum of four (4) proposed alternative offsetting sites to the EMB in accordance with the Scope set out in Section 6;
- If necessary, BW Gold Representative will engage with the DFO representative in accordance with the Scope set out in Section 6; and
- The EMB will select the Final EMB Alternative Proposed Offsetting Sites and if they are unable to do so, the matter will be referred to the Chiefs and the CEO (as referred to directly below) for the Final Chiefs' Proposed Alternative Offsetting Sites.

Decisions by the EMB will follow the decision-making requirements set out in Sections 4.1(e) to (g), inclusive, of the Participation Agreement and any dispute by the EMB will be escalated directly to the Chiefs (as defined in the Participation Agreement) and the Chief Executive Officer of Artemis Gold Ltd. ("CEO"). Notwithstanding the February 9th Letter, the parties recognize that the informal dispute resolution process set out in the Participation Agreement will not be used when consensus cannot be reached by the EMB, as the parties recognize that resolution is required in the most efficient manner in order to implement any Final EMB Alternative Offsetting Sites or any Final Chiefs' Alternative Offsetting Sites resulting from the work completed under this Charter. The Chiefs and CEO will meet within 5 days of the receipt of any notice of dispute sent by either EMB party member, unless such other time period is mutually agreed to by the Chiefs and CEO. The dispute notice will clearly identify the issue that the Chiefs and CEO must resolve and such resolution by the Chiefs and CEO will be final. **[NTD: Consider LDN and definition of Chief under the Participation Agreement]**.

Any proposed alternative offsetting selections must meet the requirements of the regulatory agencies as they will require final approval from those in accordance with their regulatory processes.

Letters of support will be provided by the Nations for any agreed upon alternative offsets resulting from the Charter, which will support amendments to the WMOP, FOP and FCHP.

10. Communications

Information Sharing

BW Gold will set up a SharePoint folder that all team members will have access to. This Charter, meeting minutes, support documents and technical information will be housed in the folder. The FW Committee will have access to the folder.

Meetings

The FW Committee will propose a meeting schedule for EMB that aligns with the Charter Schedule.

Reporting

A representative from the FW Committee will prepare meeting notes including action items and share with the EMB within 5 days following any FW Committee meeting.

Reports on any deliverables specified by this Charter will be drafted by BW Gold (or its technical team) with drafts provided to the broader FW Committee for review comments prior to submission to the EMB for consideration.

11. Budget

[NTD - Budget should be developed to consider the scope, timelines and finalized team members roles and payment of costs]

APPENDIX A – BACKGROUND INFORMATION ON PLANS

Wetlands Management and Offsetting Plan

- BC EAO - Environmental Assessment Certificate #M19-01:
    - Condition 24 - Wetlands Management and Offsetting Plan''

The purpose of the WMOP is to manage potential impacts to wetlands and provide a plan to offset the loss of wetland and wetland functions caused by the Project.

The WMOP addresses the requirements in EAC Condition 24 and federal DS Conditions 5.1 to 5.5.

The WMOP was first submitted to the EAO for review in December of 2021. Upon review by the EAO and after review with UFN and LDN, it was determined that further data collection was required in order to identify and quantify additional potential wetland sites. This baseline data sampling was conducted in 2022 and the plan was re-submitted in December of 2022 and approved in mid-February of 2023. During the review process, LDN and UFN shared concerns regarding proposed wetland offsetting measures on the Dykam Ranch offsetting location and requested more detail on methodology of the Mathews Creek wetlands offsetting location.

In their letter dated February 14, 2023, EAO committed to providing a timeframe for the Nations to work collaboratively with BW Gold in an attempt to identify alternative locations that meet the criteria of the Nations. In addition, BW Gold agreed to continue to collaborate with LDN and UFN to identify potential alternative wetlands offsetting opportunities within LDN and UFN territories to the extent they are not already identified in the WMOP, on the conditions set out in the February 9 Letter.

Schedule 2 Fish Habitat Compensation Plan

The FHCP application is required in accordance with Section 27.1 of the Metal and Diamond Mining Effluent Regulations (MDMER). This FHCP specifically offsets losses to fish habitat that result from the deposition of a deleterious substance into waterbodies beneath the tailings storage facilities C and D (excluding dam footprints), the low-grade and high-grade ore stockpiles, and the upper overburden stockpile.

BW Gold submitted the FHCP to DFO and ECCC for consideration in February of 2021. The primary habitat compensation features were proposed for construction in and around Mathews Creek. After consultation with LDN/UFN additional features were added in the Dykam Ranch and Ormond Creek offsetting areas. The FHCP was resubmitted in November of 2022 and further consultation occurred with LDN/UFN. In January of 2023, DFO made a recommendation to ECCC to accept the FHCP for submission to the government to complete a review and approval for June 2023.

UFN and LDN shared their concern over fish habitat compensation sites located outside of their territories and on private property. Recognizing this concern, BW Gold confirmed, once the deposition of mine waste into the water bodies added to Schedule 2 is authorized, its willingness to collaborate with LDN and UFN to identify potential alternative fish habitat compensation opportunities within LDN and UFN territories, on the conditions set out in the February 9 Letter.

Fisheries Act s. 35(2) and s. 36(3) Authorizations (Fisheries Act Authorization)

The Fisheries Act prohibits the carrying out of any work, undertaking or activity, other than fishing, that results in the death of fish (Subsection 34.4(1)), and/or HADD of fish habitat (Subsection 35(1)). If a project cannot avoid, or is likely to cause, death of fish and/or HADD of fish habitat, then a Section 35(2)(b) Fisheries Act Authorization is required.

In light of the Fisheries Act and the requirements of the Blackwater Project, the FOP was developed and included compensation features located in Greer creek, Murray Creek, Creek 661, Lake 15/16, Davidson Creek, Ormond Creek, Creek 428073. The FOP was submitted for approval March 9th, 2023.

UFN/LDN shared a concern that some of the offsetting locations are outside of their territories. Recognizing this concern, BW Gold has committed to collaborate with LDN and UFN and consult with DFP and other required parties on an amendment to the FOP following issuance of the FAA, on the conditions set out in the February 9 Letter.

APPENDIX B – FISH and WETLANDS SCREENING CRITERIA

DFO's Guiding Principles for offsetting (https://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/policies-politiques-eng.html#_689) will be a consideration in selecting any proposed alternative fish and wetlands offsets, as these represent the lens that the DFO regulators will consider in evaluating such offsets.

The DFO Guiding Principles, even if the data can be processed by Pixel Hunter, will be considered by the technical team and EMB in evaluating any options that come back from the Pixel-Hunter review (or options brought forward by the Nations).

The other screening criteria that will be used to identify potential alternative offsets in connection with the Pixel-Hunter tool will be as follows:

1. Criteria as set out in Steven Dean's letter of February 9, 2023.
2. Identification as to whether the potential offset area is on private or public land.
3. Identification as to whether the potential offset area is within UFN and/or LDN territory.
4. Whether the potential offset area can support colocation of fish and wetlands offsets (i.e., one area that covers both, taking an ecosystem approach to offsetting as has been proposed for Mathews Creek and Dykam Ranch).
5. Accessibility to the potential offset area (i.e., near an existing public road).
6. Whether the offset area is within the Capoose High Elevation Ungulate Winter Range Offsetting Area as such area is defined in the Caribou Management Plan.
7. Whether existing data on the potential offset area is currently available (i.e., no new study or data collection is required in order to assess the potential offset area).

APPENDIX C – FEBRUARY 9th LETTER FROM STEVEN DEAN

Insert “Letter from Steven Dean Re offsetting programs Feb 9, 2023.pdf”

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APPENDIX D. LDN AND UFN ENVIRONMENTAL MONITOR REPORTS

APPENDIX E. RIPARIAN AND WETLAND RESTORATION ESTIMATES

The following are high level estimates based on the proposed restoration concepts. Detailed planning of specific restoration areas, engineering (including road access) and other design work is required to produce detailed estimates.

Fawnie Creek

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)	Restoratgion Costs / Ha	Total Costs	At 25% of land base
Upland Forest	Patchy pine regeneration, alder saplings and shrubs.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor.	Will require construction of an approximately two-kilometer road to access site (potential to just 'walk' excavator through old logged burnt areas instead).	9.6	$6,000	$57,600	$14,400
	Limited herbaceous vegetation.	Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Dry, exposed site may require maintenance for planting survival.				
	Abundant large woody debris and snags.						
	Frequent exposed soil and rock outcrops.						
Riparian	Limited tree cover and regeneration.	Planting of conifer trees and riparian shrubs.	Access (as described above).	1	$8,500	$8,500	$2,125
	Area of exposed soil adjacent to creek.	Redistribution of woody debris.	Beaver activity at site will increase planting mortality. Tree protectors or other means of beaver-proofing will be required.				
	Woody debris not incorporated into soil.						
Total						**$66,100**	**$16,525**

Johnny Lake

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)	Restoratgion Costs / Ha	Total Costs	At 25% of land base
Lower slope	Patchy pine regeneration, alder saplings and shrubs.	Targeted planting of trees, shrubs and herbs in areas where regeneration is poor.	Will require construction of roads (mostly cross slope) to access site (potential to just 'walk' excavator through old logged burnt areas instead).	67.8	$6,000	$406,800	$101,700
	Limited herbaceous vegetation.	Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Some slopes may be too steep for heavy equipment; hand treatments required or limited restoration area.				
	Abundant large woody debris and snags.		Dry, exposed sites may require maintenance for planting survival.				
	Frequent exposed soil; erosion in small gullies is resulting in sedimentation into Johnny Lake.						
Riparian	Limited tree cover and regeneration.	Planting of conifer trees and riparian shrubs.	Access (as described above).	23.8	$8,500	$202,300	$50,575
	Area of exposed soil adjacent to creek.	Redistribution of woody debris.					
	Woody debris not incorporated into soil.						
Stream Gullies	Steep sided old glacial outwash channels with small streams.	Redistribution of woody debris, including removal from stream bed as necessary to improve flow and reduce bank erosion.	Steep slopes with very heavy blowdown and accumulation of stacked woody debris.	10.4	8500	$88,400	$22,100
	Patches of young to mature spruce and pine.	Create contour log terraces and bed into soil to reduce erosion and accelerate soil development.					
	Very thick, stacked woody debris on slopes and across streams.	Targeted planting of trees, shrubs and herbs in areas where regeneration is poor.					
	Close proximity to existing old roads.						
Old Fire Guard	Roughly three to five meters wide fire guard built for the 2014 fire.	Targeted planting of trees, shrubs and herbs in areas where regeneration is poor.	Lower portion of guard is steep.	1.1	$5,000	$5,500	$5,500
	Direct machine access from existing roads.	Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Steep, dry slope and southern aspect may require maintenance such as watering for planted vegetation to survive.				
	Most of the fire guard is steep with exposed, coarse soil and occasional water bars.	Construct more water bars and/or re-grade where possible to reduce erosion.					
	Patchy regeneration of conifers; limited herbaceous cover.						
Total						$703,000	$179,875

Upland Wetland Complex

Location	Current conditions	Restoration opportunities	Constraints	Area (ha)	Restoratgion Costs / Ha	Total Costs	At 25% of land base
Stream Gully	Small ephemeral drainages that are clogged from sedimentation and debris. Streams are assumed to be important sources of surface and ground water for the wetland complex.	Clean out and regrade gullies to enable better water flow into the complex.	Additional studies and engineering required to determine if alterations would be beneficial to the wetlands.	6.7	$8,500	$56,950	$14,238
Riparian Forest	Patches of intact and standing dead/burnt forest along wetland complex edge.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor. Cutting and redistribution (or removal) of woody debris and incorporation into soil to increase soil development and diversity.	Machine access may require roads and other measures to operate on soft, sensitive soils.	7.8	$8,500	$66,300	$16,575
Upland Logged (full restoration)	Patchy regeneration in logged and burned areas. Narrow riparian buffer between logged areas and wetland complex.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor. Redistribute woody debris to create contour log terraces and bed into soil to reduce erosion and accelerate soil development.	Assume much of this area has been replaced, so opportunities may be limited in increased forest cover.	12.4	$6,000	$74,400	$18,600
Upland Logged (limited restoration)	Patchy regeneration in logged and burned areas. Wide, effective riparian buffer between logged areas and wetland complex. These areas have a wider riparian buffer; erosion from slopes is less likely.	Targeted planting of trees, shrubs, and herbs in areas where regeneration is poor.	Assume much of this area has been replaced, so opportunities may be limited in increased forest cover.	30.8	$6,000	$184,800	$46,200
Fen	Wetland area is drying, and small streams have accumulated sediments.	Creation of beaver dam analog structures to increase diversity, hold water back, and reverse drying trend. Potential to build structures in upstream portions of the complex as well, but additional field surveys required.	Machine access to construct analogs may not be technically feasible or may have a high impact.	0.7	$8,500	$5,950	$5,950
Total						$388,400	$101,563

APPENDIX F WETLAND FUNCTION ANALYSIS

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
DR-22-03	Outside Y23 Footprint	Bog	Wb05	-	-	1.77	27	47.75	Averaged	-	-	-	-
DR-22-04	Outside Y23 Footprint	Swamp	Ws07	-	-	2.34	26	60.76	Averaged	-	-	-	-
DR-22-05	Outside Y23 Footprint	Swamp	Ws04	-	-	0.58	26	15.19	Averaged	-	-	-	-
DR-22-06	Outside Y23 Footprint	Fen	Wf02	-	-	7.03	28	196.91	Averaged	-	-	-	-
DR-22-07	Outside Y23 Footprint	Swamp	Ws04	-	-	0.21	26	5.39	Averaged	-	-	-	-
DR-22-08	Outside Y23 Footprint	Fen	Wf02	-	-	6.22	28	174.05	Averaged	-	-	-	-
DR-22-09	Outside Y23 Footprint	Fen	Wf02	-	-	3.46	28	97.02	Averaged	-	-	-	-
DR-22-10	Outside Y23 Footprint	Bog	Wb08	-	-	0.65	27	17.59	Averaged	-	-	-	-
DR-22-11	Outside Y23 Footprint	Bog	Wb08	-	-	5.38	27	145.18	Averaged	-	-	-	-
DR-22-12	Outside Y23 Footprint	Fen	Wf01	-	-	1.92	28	53.81	Averaged	-	-	-	-
DR-22-13	Outside Y23 Footprint	Fen	Wf02	-	-	2.79	28	78.16	Averaged	-	-	-	-
DR-22-14	Outside Y23 Footprint	Swamp	Ws07	-	-	1.02	26	26.43	Averaged	-	-	-	-
DR-22-15	Outside Y23 Footprint	Fen	Wf05	-	-	0.36	28	10.13	Averaged	-	-	-	-
DR-22-16	Outside Y23 Footprint	Swamp	Ws04	-	-	1.01	26	26.39	Averaged	-	-	-	-
DR-22-20	Outside Y23 Footprint	Swamp	Ws04	-	-	0.36	26	9.41	Averaged	-	-	-	-
DR-22-21	Outside Y23 Footprint	Fen	Wf02	-	-	0.1	28	2.7	Averaged	-	-	-	-
DR-22-22	Outside Y23 Footprint	Fen	Wf02	-	-	1.18	28	32.91	Averaged	-	-	-	-
DR-22-23	Outside Y23 Footprint	Bog	Wb08	-	-	1.04	27	28.19	Averaged	-	-	-	-
DR-22-24	Outside Y23 Footprint	Fen	Wf02	-	-	0.12	28	3.27	Averaged	-	-	-	-
DR-22-25	Outside Y23 Footprint	Swamp	Ws04	-	-	1.1	26	28.47	Averaged	-	-	-	-
DR-22-26	Outside Y23 Footprint	Swamp	Ws07	-	-	0.37	26	9.69	Averaged	-	-	-	-
DR-22-27	Outside Y23 Footprint	Fen	Wf01	-	-	0.46	28	12.98	Averaged	-	-	-	-
DR-22-28	Outside Y23 Footprint	Swamp	Ws07	-	-	0.74	26	19.16	Averaged	-	-	-	-
DR-22-29	Outside Y23 Footprint	Fen	Wf02	-	-	5.06	28	141.7	Averaged	-	-	-	-
DR-22-30	Outside Y23 Footprint	Bog	Wb08	-	-	0.16	27	4.29	Averaged	-	-	-	-
DR-22-31	Outside Y23 Footprint	Bog	Wb08	-	-	1.38	27	37.21	Averaged	-	-	-	-
DR-22-32	Outside Y23 Footprint	Swamp	Ws07	-	-	0.27	26	6.96	Averaged	-	-	-	-
DR-22-33	Outside Y23 Footprint	Bog	Wb08	-	-	0.02	27	0.42	Averaged	-	-	-	-
DR-22-34	Outside Y23 Footprint	Fen	Wf02	-	-	0.2	28	5.59	Averaged	-	-	-	-
DR-22-35	Outside Y23 Footprint	Swamp	Ws07	-	-	0.08	26	2.03	Averaged	-	-	-	-
DR-22-36	Outside Y23 Footprint	Fen	Wf02	-	-	0.74	28	20.62	Averaged	-	-	-	-
DR-22-37	Outside Y23 Footprint	Swamp	Ws07	-	-	3.08	26	80.04	Averaged	-	-	-	-
DR-22-38	Outside Y23 Footprint	Swamp	Ws07	-	-	0.29	26	7.44	Averaged	-	-	-	-
DR-22-39	Outside Y23 Footprint	Bog	Wb08	-	-	0.77	27	20.77	Averaged	-	-	-	-
DR-22-40	Outside Y23 Footprint	Fen	Wf02	-	-	0.64	28	17.85	Averaged	-	-	-	-
DR-22-41	Outside Y23 Footprint	Bog	Wb05	-	-	0.35	27	9.5	Averaged	-	-	-	-
DR-22-42	Outside Y23 Footprint	Fen	Wf01	-	-	0.16	28	4.53	Averaged	-	-	-	-
DR-22-43	Outside Y23 Footprint	Fen	Wf01	-	-	0.53	28	14.72	Averaged	-	-	-	-
DR-22-44	Outside Y23 Footprint	Bog	Wb05	-	-	0.69	27	18.57	Averaged	-	-	-	-
DR-22-45	Outside Y23 Footprint	SOW	Ww	-	-	3.4	30	102.13	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
DR-22-03	-	-	-	-	-	-	-	-	-124.7892573	53.33381979
DR-22-04	-	-	-	-	-	-	-	-	-124.7904542	53.33347701
DR-22-05	-	-	-	-	-	-	-	-	-124.7904961	53.33262548
DR-22-06	-	-	-	-	-	-	-	-	-124.7873363	53.33314476
DR-22-07	-	-	-	-	-	-	-	-	-124.7863904	53.33444036
DR-22-08	-	-	-	-	-	-	-	-	-124.7860852	53.3307117
DR-22-09	-	-	-	-	-	-	-	-	-124.7868675	53.32939467
DR-22-10	-	-	-	-	-	-	-	-	-124.7838314	53.32877031
DR-22-11	-	-	-	-	-	-	-	-	-124.7883934	53.32893792
DR-22-12	-	-	-	-	-	-	-	-	-124.7909582	53.32964677
DR-22-13	-	-	-	-	-	-	-	-	-124.7831544	53.33066397
DR-22-14	-	-	-	-	-	-	-	-	-124.7812949	53.33252416
DR-22-15	-	-	-	-	-	-	-	-	-124.7831828	53.32867897
DR-22-16	-	-	-	-	-	-	-	-	-124.7821895	53.32813417
DR-22-20	-	-	-	-	-	-	-	-	-124.7819129	53.3267231
DR-22-21	-	-	-	-	-	-	-	-	-124.7828621	53.32636787
DR-22-22	-	-	-	-	-	-	-	-	-124.7818664	53.32544492
DR-22-23	-	-	-	-	-	-	-	-	-124.7829368	53.32587278
DR-22-24	-	-	-	-	-	-	-	-	-124.7849197	53.32649251
DR-22-25	-	-	-	-	-	-	-	-	-124.779827	53.32510368
DR-22-26	-	-	-	-	-	-	-	-	-124.7779648	53.32435772
DR-22-27	-	-	-	-	-	-	-	-	-124.7777782	53.32355854
DR-22-28	-	-	-	-	-	-	-	-	-124.7769714	53.32358009
DR-22-29	-	-	-	-	-	-	-	-	-124.7740675	53.32308395
DR-22-30	-	-	-	-	-	-	-	-	-124.7753109	53.32347007
DR-22-31	-	-	-	-	-	-	-	-	-124.7737616	53.32187971
DR-22-32	-	-	-	-	-	-	-	-	-124.7740498	53.32104466
DR-22-33	-	-	-	-	-	-	-	-	-124.7739682	53.32077062
DR-22-34	-	-	-	-	-	-	-	-	-124.7744604	53.32135233
DR-22-35	-	-	-	-	-	-	-	-	-124.7777139	53.32289287
DR-22-36	-	-	-	-	-	-	-	-	-124.7783446	53.32264349
DR-22-37	-	-	-	-	-	-	-	-	-124.777102	53.32168529
DR-22-38	-	-	-	-	-	-	-	-	-124.778394	53.32318446
DR-22-39	-	-	-	-	-	-	-	-	-124.7794204	53.32315277
DR-22-40	-	-	-	-	-	-	-	-	-124.7795516	53.32336911
DR-22-41	-	-	-	-	-	-	-	-	-124.781006	53.32277766
DR-22-42	-	-	-	-	-	-	-	-	-124.7796186	53.32089927
DR-22-43	-	-	-	-	-	-	-	-	-124.7786394	53.32198448
DR-22-44	-	-	-	-	-	-	-	-	-124.7791909	53.32118531
DR-22-45	-	-	-	-	-	-	-	-	-124.7886074	53.32125744

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DR-22-46	Outside Y23 Footprint	Marsh	Wm01	-	-	0.94	29	27.24	Averaged	-	-	-	-
DR-22-47	Outside Y23 Footprint	Fen	Wf01	-	-	0.71	28	20.01	Averaged	-	-	-	-
DR-22-48	Outside Y23 Footprint	Swamp	Ws07	-	-	0.49	26	12.82	Averaged	-	-	-	-
DR-22-49	Outside Y23 Footprint	Bog	Wb08	-	-	2.51	27	67.71	Averaged	-	-	-	-
DR-22-50	Outside Y23 Footprint	Bog	Wb08	-	-	1.55	27	41.98	Averaged	-	-	-	-
DR-22-51	Outside Y23 Footprint	Swamp	Ws07	-	-	0.41	26	10.71	Averaged	-	-	-	-
DR-22-52	Outside Y23 Footprint	Bog	Wb05	-	-	0.65	27	17.62	Averaged	-	-	-	-
DR-22-53	Outside Y23 Footprint	Bog	Wb08	-	-	1.15	27	30.96	Averaged	-	-	-	-
DR-22-54	Outside Y23 Footprint	Marsh	Wm01	-	-	0.1	29	3	Averaged	-	-	-	-
DR-22-56	Outside Y23 Footprint	Bog	Wb08	-	-	1.63	27	43.95	Averaged	-	-	-	-
DR-22-57	Outside Y23 Footprint	Swamp	Ws07	-	-	0.86	26	22.23	Averaged	-	-	-	-
DR-22-58	Outside Y23 Footprint	Bog	Wb05	-	-	0.16	27	4.34	Averaged	-	-	-	-
DR-22-59	Outside Y23 Footprint	Fen	Wf02	-	-	0.08	28	2.35	Averaged	-	-	-	-
MC02	Matthews Creek	Bog	Wb08	-	-	0.36	27	9.75	Averaged	-	-	-	-
MC03	Matthews Creek	Bog	Wb05	full	MC20	2.59	29	75.12	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
MC04	Matthews Creek	Bog	Wb05	-	-	10.49	27	283.28	Averaged	-	-	-	-
MC05	Matthews Creek	Fen	Wf01	-	-	0.46	28	12.96	Averaged	-	-	-	-
MC06	Matthews Creek	Fen	Wf07	-	-	1.89	28	52.98	Averaged	-	-	-	-
MC07	Matthews Creek	Fen	Wf	full	MC33	2.02	27	54.47	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
MC09	Matthews Creek	Bog	Wb05	-	-	2.76	27	74.49	Averaged	-	-	-	-
MC10	Matthews Creek	Bog	Wb08	-	-	0.15	27	3.97	Averaged	-	-	-	-
MC100	Matthews Creek	Swamp	Ws04	-	-	0.03	26	0.69	Averaged	-	-	-	-
MC101	Matthews Creek	Marsh	Wm01	-	-	0.77	29	22.31	Averaged	-	-	-	-
MC102	Matthews Creek	Marsh	Wm01	-	-	0.06	29	1.63	Averaged	-	-	-	-
MC103	Matthews Creek	Marsh	Wm01	-	-	0.1	29	2.83	Averaged	-	-	-	-
MC104	Matthews Creek	Swamp	Ws04	-	-	0.08	26	2.14	Averaged	-	-	-	-
MC105	Matthews Creek	Marsh	Wm01	-	-	0.07	29	2.15	Averaged	-	-	-	-
MC106	Matthews Creek	Swamp	Ws	-	-	0.05	26	1.37	Averaged	-	-	-	-
MC107	Matthews Creek	Swamp	Ws	-	-	0.07	26	1.8	Averaged	-	-	-	-
MC109	Matthews Creek	Swamp	Ws	-	-	0.1	26	2.5	Averaged	-	-	-	-
MC11	Matthews Creek	Bog	Wb05	-	-	4.02	27	108.49	Averaged	-	-	-	-
MC110	Matthews Creek	Marsh	Wm	-	-	0.05	29	1.31	Averaged	-	-	-	-
MC111	Matthews Creek	Swamp	Ws04	-	-	0.1	26	2.6	Averaged	-	-	-	-
MC112	Matthews Creek	Marsh	Wm	-	-	5.66	29	164.21	Averaged	-	-	-	-
MC113	Matthews Creek	Marsh	Wm01	-	-	0.41	29	11.86	Averaged	-	-	-	-
MC115	Matthews Creek	Marsh	Wm01	-	-	0.27	29	7.87	Averaged	-	-	-	-
MC116	Matthews Creek	Fen	Wf01	-	-	0.6	28	16.94	Averaged	-	-	-	-
MC117	Matthews Creek	Marsh	Wm01	-	-	0.06	29	1.7	Averaged	-	-	-	-
MC118	Matthews Creek	Marsh	Wm01	-	-	0.02	29	0.63	Averaged	-	-	-	-
MC119	Matthews Creek	Marsh	Wm01	-	-	0.47	29	13.5	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
DR-22-46	-	-	-	-	-	-	-	-	-124.7886425	53.32161516
DR-22-47	-	-	-	-	-	-	-	-	-124.7856022	53.32049587
DR-22-48	-	-	-	-	-	-	-	-	-124.7842942	53.32061902
DR-22-49	-	-	-	-	-	-	-	-	-124.7802985	53.32445657
DR-22-50	-	-	-	-	-	-	-	-	-124.7814209	53.32386024
DR-22-51	-	-	-	-	-	-	-	-	-124.7812592	53.32120831
DR-22-52	-	-	-	-	-	-	-	-	-124.7752215	53.32230098
DR-22-53	-	-	-	-	-	-	-	-	-124.7759101	53.32240822
DR-22-54	-	-	-	-	-	-	-	-	-124.7439084	53.33245024
DR-22-56	-	-	-	-	-	-	-	-	-124.7895969	53.33159827
DR-22-57	-	-	-	-	-	-	-	-	-124.7908585	53.33146956
DR-22-58	-	-	-	-	-	-	-	-	-124.7816784	53.32450626
DR-22-59	-	-	-	-	-	-	-	-	-124.7841697	53.32588509
MC02	-	-	-	-	-	-	-	-	-125.0833008	53.10689861
MC03	High (3)	Moderate (2)	Low (1)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0821013	53.10741979
MC04	-	-	-	-	-	-	-	-	-125.0765869	53.10798631
MC05	-	-	-	-	-	-	-	-	-125.0794921	53.11447383
MC06	-	-	-	-	-	-	-	-	-125.0797738	53.11369619
MC07	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0801591	53.11310162
MC09	-	-	-	-	-	-	-	-	-125.0742959	53.11294569
MC10	-	-	-	-	-	-	-	-	-125.0676451	53.11279237
MC100	-	-	-	-	-	-	-	-	-125.0868944	53.10958895
MC101	-	-	-	-	-	-	-	-	-125.0844045	53.11143039
MC102	-	-	-	-	-	-	-	-	-125.0788349	53.11209439
MC103	-	-	-	-	-	-	-	-	-125.0827376	53.1112717
MC104	-	-	-	-	-	-	-	-	-125.0826355	53.11172258
MC105	-	-	-	-	-	-	-	-	-125.082215	53.11221145
MC106	-	-	-	-	-	-	-	-	-125.0829192	53.1133646
MC107	-	-	-	-	-	-	-	-	-125.0825239	53.11322778
MC109	-	-	-	-	-	-	-	-	-125.0671003	53.11287616
MC11	-	-	-	-	-	-	-	-	-125.0696224	53.1132664
MC110	-	-	-	-	-	-	-	-	-125.0668137	53.11222252
MC111	-	-	-	-	-	-	-	-	-125.0674409	53.11193832
MC112	-	-	-	-	-	-	-	-	-125.066986	53.11155706
MC113	-	-	-	-	-	-	-	-	-125.0687577	53.11115963
MC115	-	-	-	-	-	-	-	-	-125.0680878	53.10951397
MC116	-	-	-	-	-	-	-	-	-125.0673049	53.10962946
MC117	-	-	-	-	-	-	-	-	-125.0664741	53.11068317
MC118	-	-	-	-	-	-	-	-	-125.0665724	53.11043928
MC119	-	-	-	-	-	-	-	-	-125.0742769	53.11018403

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
MC12	Matthews Creek	Bog	Wb05	full	MC34	1.5	25	37.57	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
MC120	Matthews Creek	Marsh	Wm01	-	-	0.32	29	9.38	Averaged	-	-	-	-
MC121	Matthews Creek	Marsh	Wm01	-	-	0.16	29	4.54	Averaged	-	-	-	-
MC122	Matthews Creek	Bog	Wb05	-	-	0.22	27	5.93	Averaged	-	-	-	-
MC123	Matthews Creek	Swamp	Ws04	-	-	2.43	26	63.14	Averaged	-	-	-	-
MC124	Matthews Creek	Swamp	Ws04	-	-	4.08	26	106.07	Averaged	-	-	-	-
MC125	Matthews Creek	Marsh	Wm01	-	-	0.82	29	23.64	Averaged	-	-	-	-
MC126	Matthews Creek	Swamp	Ws04	-	-	1.18	26	30.62	Averaged	-	-	-	-
MC127	Matthews Creek	Swamp	Ws04	-	-	0.13	26	3.39	Averaged	-	-	-	-
MC128	Matthews Creek	SOW	Ww	-	-	0.14	30	4.14	Averaged	-	-	-	-
MC13	Matthews Creek	Bog	Wb08	-	-	2.22	27	59.83	Averaged	-	-	-	-
MC131	Matthews Creek	Marsh	Wm	full	MC24	4.18	29	121.3	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
MC132	Matthews Creek	Fen	Wf	-	-	0.52	28	14.5	Averaged	-	-	-	-
MC135	Matthews Creek	Swamp	Ws04	-	-	0.06	26	1.46	Averaged	-	-	-	-
MC136	Matthews Creek	Marsh	Wm01	full	MC01	1.73	26	45.02	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
MC137	Matthews Creek	Swamp	Ws04	-	-	0.4	26	10.49	Averaged	-	-	-	-
MC138	Matthews Creek	Swamp	Ws04	-	-	0.05	26	1.36	Averaged	-	-	-	-
MC139	Matthews Creek	Marsh	Wm01	-	-	0.19	29	5.63	Averaged	-	-	-	-
MC14	Matthews Creek	Bog	Wb05	-	-	4.72	27	127.51	Averaged	-	-	-	-
MC140	Matthews Creek	Marsh	Wm01	-	-	1.07	29	31	Averaged	-	-	-	-
MC141	Matthews Creek	Swamp	Ws04	-	-	0.41	26	10.64	Averaged	-	-	-	-
MC143	Matthews Creek	Marsh	Wm	-	-	1.49	29	43.29	Averaged	-	-	-	-
MC144	Matthews Creek	Marsh	Wm	-	-	1.11	29	32.16	Averaged	-	-	-	-
MC145	Matthews Creek	Marsh	Wm01	-	-	0.05	29	1.59	Averaged	-	-	-	-
MC146	Matthews Creek	Marsh	Wm01	-	-	0.05	29	1.49	Averaged	-	-	-	-
MC147	Matthews Creek	Swamp	Ws04	-	-	1.23	26	31.97	Averaged	-	-	-	-
MC148	Matthews Creek	Bog	Wb05	-	-	0.24	27	6.52	Averaged	-	-	-	-
MC15	Matthews Creek	Fen	Wf	-	-	0.14	28	3.83	Averaged	-	-	-	-
MC150	Matthews Creek	Fen	Wf02	full	MC06	0.84	27	22.58	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
MC151	Matthews Creek	Swamp	Ws07	-	-	0.37	26	9.74	Averaged	-	-	-	-
MC152	Matthews Creek	Swamp	Ws07	-	-	0.92	26	24.05	Averaged	-	-	-	-
MC153	Matthews Creek	Bog	Wb08	full	MC07	4.69	27	126.56	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
MC154	Matthews Creek	Swamp	Ws07	-	-	0.95	26	24.58	Averaged	-	-	-	-
MC155	Matthews Creek	Swamp	Ws07	full	MC03	0.27	30	8.23	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
MC156	Matthews Creek	Marsh	Wm01	-	-	0.05	29	1.47	Averaged	-	-	-	-
MC158	Matthews Creek	Marsh	Wm	-	-	1.58	29	45.77	Averaged	-	-	-	-
MC159	Matthews Creek	Swamp	Ws	-	-	0.06	26	1.55	Averaged	-	-	-	-
MC16	Matthews Creek	Swamp	Ws07	full	MC08	5.47	30	164.16	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
MC163	Matthews Creek	Swamp	Ws04	-	-	0.62	26	16.02	Averaged	-	-	-	-
MC164	Matthews Creek	Marsh	Wm	-	-	0.07	29	1.95	Averaged	-	-	-	-
MC165	Matthews Creek	Bog	Wb05	-	-	3.45	27	93.02	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
MC12	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0775837	53.1142298
MC120	-	-	-	-	-	-	-	-	-125.0718973	53.10973545
MC121	-	-	-	-	-	-	-	-	-125.0723245	53.10963254
MC122	-	-	-	-	-	-	-	-	-125.0709998	53.10881606
MC123	-	-	-	-	-	-	-	-	-125.0728641	53.10930392
MC124	-	-	-	-	-	-	-	-	-125.072531	53.11005549
MC125	-	-	-	-	-	-	-	-	-125.0822075	53.11174574
MC126	-	-	-	-	-	-	-	-	-125.0793592	53.11254474
MC127	-	-	-	-	-	-	-	-	-125.0751967	53.11139293
MC128	-	-	-	-	-	-	-	-	-125.0747897	53.11111319
MC13	-	-	-	-	-	-	-	-	-125.0733187	53.10800519
MC131	High (3)	Low (1)	High (3)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0706993	53.11132546
MC132	-	-	-	-	-	-	-	-	-125.0706835	53.11157818
MC135	-	-	-	-	-	-	-	-	-125.0571862	53.11157615
MC136	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0587492	53.11171582
MC137	-	-	-	-	-	-	-	-	-125.056999	53.11136694
MC138	-	-	-	-	-	-	-	-	-125.0604126	53.11166087
MC139	-	-	-	-	-	-	-	-	-125.0618019	53.11115176
MC14	-	-	-	-	-	-	-	-	-125.0787306	53.10861862
MC140	-	-	-	-	-	-	-	-	-125.0607281	53.11115501
MC141	-	-	-	-	-	-	-	-	-125.0596733	53.11161714
MC143	-	-	-	-	-	-	-	-	-125.0617163	53.11221377
MC144	-	-	-	-	-	-	-	-	-125.0633803	53.11229746
MC145	-	-	-	-	-	-	-	-	-125.0612823	53.11252268
MC146	-	-	-	-	-	-	-	-	-125.0659072	53.11097713
MC147	-	-	-	-	-	-	-	-	-125.0650031	53.11126629
MC148	-	-	-	-	-	-	-	-	-125.0671035	53.10923325
MC15	-	-	-	-	-	-	-	-	-125.0783412	53.10705437
MC150	High (3)	High (3)	Low (1)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0617898	53.11029731
MC151	-	-	-	-	-	-	-	-	-125.0641422	53.1110617
MC152	-	-	-	-	-	-	-	-	-125.0644408	53.10956449
MC153	High (3)	High (3)	Low (1)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0644951	53.11018709
MC154	-	-	-	-	-	-	-	-	-125.0584253	53.1110629
MC155	High (3)	Moderate (2)	High (3)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-125.0592528	53.11028735
MC156	-	-	-	-	-	-	-	-	-125.0538611	53.11460846
MC158	-	-	-	-	-	-	-	-	-125.0557154	53.11296421
MC159	-	-	-	-	-	-	-	-	-125.0550149	53.11405781
MC16	High (3)	Moderate (2)	High (3)	Low (1)	High (3)	High (3)	At Risk (3)	High (3)	-125.0631011	53.10890987
MC163	-	-	-	-	-	-	-	-	-125.0479994	53.11447042
MC164	-	-	-	-	-	-	-	-	-125.0506988	53.11466072
MC165	-	-	-	-	-	-	-	-	-125.05685	53.11561168

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
MC168	Matthews Creek	Marsh	Wm	-	-	1.52	29	43.94	Averaged	-	-	-	-
MC169	Matthews Creek	Marsh	Wm01	-	-	0.15	29	4.43	Averaged	-	-	-	-
MC17	Matthews Creek	Marsh	Wm01	-	-	3.44	29	99.81	Averaged	-	-	-	-
MC170	Matthews Creek	Swamp	Ws04	-	-	1.08	26	28.09	Averaged	-	-	-	-
MC171	Matthews Creek	Swamp	Ws07	-	-	0.5	26	13.01	Averaged	-	-	-	-
MC173	Matthews Creek	Bog	Wb05	-	-	0.79	27	21.31	Averaged	-	-	-	-
MC174	Matthews Creek	Swamp	Ws07	-	-	1.45	26	37.76	Averaged	-	-	-	-
MC175	Matthews Creek	Swamp	Ws04	full	MC14	0.67	26	17.5	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
MC176	Matthews Creek	Swamp	Ws04	-	-	0.09	26	2.26	Averaged	-	-	-	-
MC177	Matthews Creek	Swamp	Ws07	-	-	0.86	26	22.47	Averaged	-	-	-	-
MC178	Matthews Creek	Bog	Wb08	-	-	0.17	27	4.62	Averaged	-	-	-	-
MC179	Matthews Creek	Swamp	Ws04	-	-	2.86	26	74.42	Averaged	-	-	-	-
MC180	Matthews Creek	Bog	Wb	-	-	0.65	27	17.47	Averaged	-	-	-	-
MC181	Matthews Creek	Bog	Wb08	-	-	0.82	27	22.26	Averaged	-	-	-	-
MC182	Matthews Creek	Bog	Wb05	-	-	0.89	27	24.01	Averaged	-	-	-	-
MC183	Matthews Creek	Fen	Wf	-	-	0.87	28	24.38	Averaged	-	-	-	-
MC185	Matthews Creek	Fen	Wf	-	-	0.16	28	4.46	Averaged	-	-	-	-
MC186	Matthews Creek	Fen	Wf01	-	-	0.31	28	8.61	Averaged	-	-	-	-
MC187	Matthews Creek	Bog	Wb05	-	-	0.36	27	9.68	Averaged	-	-	-	-
MC188	Matthews Creek	Fen	Wf01	-	-	0.4	28	11.15	Averaged	-	-	-	-
MC189	Matthews Creek	Bog	Wb08	-	-	0.31	27	8.44	Averaged	-	-	-	-
MC19	Matthews Creek	Bog	Wb05	-	-	3.19	27	86.22	Averaged	-	-	-	-
MC190	Matthews Creek	Bog	Wb05	-	-	0.81	27	21.87	Averaged	-	-	-	-
MC191	Matthews Creek	Bog	Wb05	-	-	7.81	27	211	Averaged	-	-	-	-
MC192	Matthews Creek	Fen	Wf02	-	-	1.09	28	30.51	Averaged	-	-	-	-
MC193	Matthews Creek	Fen	Wf07	full	MC11	2.88	26	74.8	Calculated	Moderate (2)	Low (1)	High (3)	Low (1)
MC194	Matthews Creek	Bog	Wb05	-	-	0.89	27	23.93	Averaged	-	-	-	-
MC195	Matthews Creek	Bog	Wb05	full	MC16	1.1	27	29.67	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
MC196	Matthews Creek	Swamp	Ws07	-	-	1.8	26	46.77	Averaged	-	-	-	-
MC197	Matthews Creek	Bog	Wb05	-	-	0.56	27	15.1	Averaged	-	-	-	-
MC198	Matthews Creek	Bog	Wb08	-	-	0.49	27	13.24	Averaged	-	-	-	-
MC199	Matthews Creek	Bog	Wb05	-	-	0.83	27	22.33	Averaged	-	-	-	-
MC20	Matthews Creek	Marsh	Wm01	-	-	0.89	29	25.67	Averaged	-	-	-	-
MC200	Matthews Creek	Bog	Wb05	-	-	2.04	27	55.06	Averaged	-	-	-	-
MC201	Matthews Creek	Bog	Wb08	-	-	0.29	27	7.79	Averaged	-	-	-	-
MC202	Matthews Creek	Bog	Wb08	-	-	1.16	27	31.29	Averaged	-	-	-	-
MC203	Matthews Creek	Swamp	Ws07	-	-	1.33	26	34.53	Averaged	-	-	-	-
MC204	Matthews Creek	Fen	Wf02	-	-	0.9	28	25.13	Averaged	-	-	-	-
MC205	Matthews Creek	Bog	Wb05	-	-	0.1	27	2.59	Averaged	-	-	-	-
MC208	Matthews Creek	Bog	Wb08	-	-	1.49	27	40.34	Averaged	-	-	-	-
MC207	Matthews Creek	Fen	Wf02	full	MC02	0.44	24	10.48	Calculated	Moderate (2)	High (3)	High (3)	Low (1)

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
MC168	-	-	-	-	-	-	-	-	-125.0588705	53.11292004
MC169	-	-	-	-	-	-	-	-	-125.0607306	53.1133803
MC17	-	-	-	-	-	-	-	-	-125.0785139	53.1110128
MC170	-	-	-	-	-	-	-	-	-125.0615996	53.1129684
MC171	-	-	-	-	-	-	-	-	-125.0643203	53.11290134
MC173	-	-	-	-	-	-	-	-	-125.0591224	53.1138377
MC174	-	-	-	-	-	-	-	-	-125.0578245	53.11341243
MC175	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0556156	53.11373206
MC176	-	-	-	-	-	-	-	-	-125.0547416	53.11189554
MC177	-	-	-	-	-	-	-	-	-125.0545349	53.11195713
MC178	-	-	-	-	-	-	-	-	-125.0533865	53.11237426
MC179	-	-	-	-	-	-	-	-	-125.0523013	53.11374234
MC180	-	-	-	-	-	-	-	-	-125.0503044	53.11309114
MC181	-	-	-	-	-	-	-	-	-125.0516753	53.11328232
MC182	-	-	-	-	-	-	-	-	-125.0522923	53.11275711
MC183	-	-	-	-	-	-	-	-	-125.053111	53.11517807
MC185	-	-	-	-	-	-	-	-	-125.0536267	53.11490261
MC186	-	-	-	-	-	-	-	-	-125.0582615	53.11473878
MC187	-	-	-	-	-	-	-	-	-125.0606831	53.11050739
MC188	-	-	-	-	-	-	-	-	-125.0512197	53.11186579
MC189	-	-	-	-	-	-	-	-	-125.0543321	53.11158764
MC19	-	-	-	-	-	-	-	-	-125.0812362	53.10976843
MC190	-	-	-	-	-	-	-	-	-125.0478294	53.11125856
MC191	-	-	-	-	-	-	-	-	-125.0526523	53.11037839
MC192	-	-	-	-	-	-	-	-	-125.0503342	53.11222899
MC193	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0507273	53.11178178
MC194	-	-	-	-	-	-	-	-	-125.0554074	53.11567542
MC195	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0548458	53.11482009
MC196	-	-	-	-	-	-	-	-	-125.0565537	53.11427638
MC197	-	-	-	-	-	-	-	-	-125.0609126	53.1100276
MC198	-	-	-	-	-	-	-	-	-125.0545006	53.10982463
MC199	-	-	-	-	-	-	-	-	-125.0588342	53.11009432
MC20	-	-	-	-	-	-	-	-	-125.0897375	53.10774489
MC200	-	-	-	-	-	-	-	-	-125.0578575	53.10972328
MC201	-	-	-	-	-	-	-	-	-125.0498254	53.10932384
MC202	-	-	-	-	-	-	-	-	-125.0525573	53.10975888
MC203	-	-	-	-	-	-	-	-	-125.0496042	53.10890872
MC204	-	-	-	-	-	-	-	-	-125.0553356	53.11057456
MC205	-	-	-	-	-	-	-	-	-125.0571271	53.11034259
MC208	-	-	-	-	-	-	-	-	-125.0767162	53.10730568
MC207	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Not Functioning (1)	High (3)	-125.0570618	53.11053811

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
MC209	Matthews Creek	Bog	Wb08	-	-	0.23	27	6.16	Averaged	-	-	-	-
MC21	Matthews Creek	Swamp	Ws07	-	-	0.62	26	16.18	Averaged	-	-	-	-
MC210	Matthews Creek	Fen	Wf02	-	-	0.31	28	8.71	Averaged	-	-	-	-
MC211	Matthews Creek	Bog	Wb05	-	-	0.77	27	20.86	Averaged	-	-	-	-
MC212	Matthews Creek	Fen	Wf02	-	-	1.16	28	32.39	Averaged	-	-	-	-
MC213	Matthews Creek	Swamp	Ws04	-	-	1.36	26	35.44	Averaged	-	-	-	-
MC214	Matthews Creek	Swamp	Ws04	-	-	0.18	26	4.62	Averaged	-	-	-	-
MC216	Matthews Creek	Marsh	Wm	-	-	0.34	29	9.84	Averaged	-	-	-	-
MC218	Matthews Creek	Fen	Wf02	-	-	0.46	28	12.79	Averaged	-	-	-	-
MC219	Matthews Creek	Swamp	Ws	-	-	0.17	26	4.34	Averaged	-	-	-	-
MC22	Matthews Creek	Bog	Wb08	-	-	0.68	27	18.37	Averaged	-	-	-	-
MC221	Matthews Creek	Marsh	Wm	-	-	2.08	29	60.44	Averaged	-	-	-	-
MC222	Matthews Creek	Fen	Wf01	-	-	0.34	28	9.42	Averaged	-	-	-	-
MC223	Matthews Creek	Marsh	Wm01	-	-	0.03	29	0.81	Averaged	-	-	-	-
MC224	Matthews Creek	Marsh	Wm01	-	-	0.01	29	0.41	Averaged	-	-	-	-
MC225	Matthews Creek	Bog	Wb05	-	-	0.34	27	9.19	Averaged	-	-	-	-
MC226	Matthews Creek	Swamp	Ws04	-	-	0.33	26	8.57	Averaged	-	-	-	-
MC227	Matthews Creek	Marsh	Wm01	-	-	0.02	29	0.49	Averaged	-	-	-	-
MC228	Matthews Creek	Marsh	Wm01	-	-	0.08	29	2.45	Averaged	-	-	-	-
MC23	Matthews Creek	Swamp	Ws07	-	-	1.66	26	43.1	Averaged	-	-	-	-
MC233	Matthews Creek	Swamp	Ws	-	-	0.33	26	8.58	Averaged	-	-	-	-
MC234	Matthews Creek	Marsh	Wm01	-	-	0.1	29	2.97	Averaged	-	-	-	-
MC235	Matthews Creek	Fen	Wf	-	-	0.36	28	10.14	Averaged	-	-	-	-
MC237	Matthews Creek	Fen	Wf	-	-	1.07	28	30.08	Averaged	-	-	-	-
MC239	Matthews Creek	Bog	Wb05	-	-	0.25	27	6.64	Averaged	-	-	-	-
MC240	Matthews Creek	Swamp	Ws04	-	-	1.43	26	37.24	Averaged	-	-	-	-
MC241	Matthews Creek	Swamp	Ws04	-	-	0.89	26	23.16	Averaged	-	-	-	-
MC242	Matthews Creek	Fen	Wf	-	-	1.21	28	33.84	Averaged	-	-	-	-
MC243	Matthews Creek	Swamp	Ws04	-	-	0.17	26	4.43	Averaged	-	-	-	-
MC244	Matthews Creek	Bog	Wb05	-	-	0.16	27	4.32	Averaged	-	-	-	-
MC25	Matthews Creek	Swamp	Ws07	-	-	6.53	26	169.76	Averaged	-	-	-	-
MC26	Matthews Creek	Bog	Wb05	-	-	0.54	27	14.51	Averaged	-	-	-	-
MC27	Matthews Creek	Bog	Wb05	-	-	0.32	27	8.68	Averaged	-	-	-	-
MC28	Matthews Creek	Bog	Wb05	-	-	0.3	27	8.2	Averaged	-	-	-	-
MC29	Matthews Creek	Fen	Wf07	full	MC26	1.52	28	42.47	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
MC30	Matthews Creek	Fen	Wf01	-	-	1.03	28	28.71	Averaged	-	-	-	-
MC31	Matthews Creek	Fen	Wf	-	-	2.54	28	71.18	Averaged	-	-	-	-
MC33	Matthews Creek	Swamp	Ws07	-	-	6.56	26	170.49	Averaged	-	-	-	-
MC35	Matthews Creek	Fen	Wf07	full	MC28	1.76	30	52.69	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
MC36	Matthews Creek	Fen	Wf01	-	-	2.04	28	57.13	Averaged	-	-	-	-
MC37	Matthews Creek	Marsh	Wm01	-	-	3.78	29	109.56	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
MC209	-	-	-	-	-	-	-	-	-125.047301	53.10887239
MC21	-	-	-	-	-	-	-	-	-125.0885871	53.11243416
MC210	-	-	-	-	-	-	-	-	-125.0463933	53.10873598
MC211	-	-	-	-	-	-	-	-	-125.0453796	53.1088968
MC212	-	-	-	-	-	-	-	-	-125.0489073	53.11088355
MC213	-	-	-	-	-	-	-	-	-125.0463709	53.11379916
MC214	-	-	-	-	-	-	-	-	-125.0451952	53.11391155
MC216	-	-	-	-	-	-	-	-	-125.0525739	53.11470339
MC218	-	-	-	-	-	-	-	-	-125.0543978	53.11596702
MC219	-	-	-	-	-	-	-	-	-125.0668187	53.1133696
MC22	-	-	-	-	-	-	-	-	-125.0894557	53.11193418
MC221	-	-	-	-	-	-	-	-	-125.0743388	53.11149694
MC222	-	-	-	-	-	-	-	-	-125.0597749	53.11057316
MC223	-	-	-	-	-	-	-	-	-125.0493778	53.11417983
MC224	-	-	-	-	-	-	-	-	-125.0490889	53.11435809
MC225	-	-	-	-	-	-	-	-	-125.0532176	53.11326604
MC226	-	-	-	-	-	-	-	-	-125.0508775	53.11375639
MC227	-	-	-	-	-	-	-	-	-125.0566615	53.11256656
MC228	-	-	-	-	-	-	-	-	-125.0569267	53.11270484
MC23	-	-	-	-	-	-	-	-	-125.0911623	53.11100611
MC233	-	-	-	-	-	-	-	-	-125.065933	53.10912427
MC234	-	-	-	-	-	-	-	-	-125.0726339	53.11023863
MC235	-	-	-	-	-	-	-	-	-125.0601647	53.11362628
MC237	-	-	-	-	-	-	-	-	-125.0760574	53.11291395
MC239	-	-	-	-	-	-	-	-	-125.0572372	53.1147446
MC240	-	-	-	-	-	-	-	-	-125.0791142	53.11173014
MC241	-	-	-	-	-	-	-	-	-125.0835028	53.11211674
MC242	-	-	-	-	-	-	-	-	-125.0876018	53.11197783
MC243	-	-	-	-	-	-	-	-	-125.0928962	53.10713018
MC244	-	-	-	-	-	-	-	-	-125.0562262	53.10925004
MC25	-	-	-	-	-	-	-	-	-125.0996353	53.10951236
MC26	-	-	-	-	-	-	-	-	-125.0971355	53.11098263
MC27	-	-	-	-	-	-	-	-	-125.1000497	53.10983693
MC28	-	-	-	-	-	-	-	-	-125.1019498	53.10809692
MC29	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0999781	53.10902798
MC30	-	-	-	-	-	-	-	-	-125.0947207	53.10805758
MC31	-	-	-	-	-	-	-	-	-125.0969366	53.10873732
MC33	-	-	-	-	-	-	-	-	-125.0983771	53.10738773
MC35	High (3)	Moderate (2)	Moderate (2)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0950696	53.10911399
MC36	-	-	-	-	-	-	-	-	-125.0955738	53.10746359
MC37	-	-	-	-	-	-	-	-	-125.0925431	53.10816972

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
MC38	Matthews Creek	Bog	Wb08	-	-	2.37	27	63.87	Averaged	-	-	-	-
MC39	Matthews Creek	Bog	Wb05	-	-	1.1	27	29.76	Averaged	-	-	-	-
MC40	Matthews Creek	Swamp	Ws04	-	-	0.43	26	11.3	Averaged	-	-	-	-
MC41	Matthews Creek	Swamp	Ws04	-	-	1.9	26	49.44	Averaged	-	-	-	-
MC42	Matthews Creek	Marsh	Wm01	-	-	1.35	29	39.21	Averaged	-	-	-	-
MC43	Matthews Creek	SOW	Ww	-	-	1.54	30	46.23	Averaged	-	-	-	-
MC45	Matthews Creek	Bog	Wb05	-	-	5.65	27	152.45	Averaged	-	-	-	-
MC46	Matthews Creek	Bog	Wb08	-	-	0.75	27	20.12	Averaged	-	-	-	-
MC47	Matthews Creek	Bog	Wb05	-	-	0.3	27	8.18	Averaged	-	-	-	-
MC48	Matthews Creek	Bog	Wb05	-	-	2.39	27	64.47	Averaged	-	-	-	-
MC49	Matthews Creek	Marsh	Wm01	-	-	7.33	29	212.62	Averaged	-	-	-	-
MC50	Matthews Creek	Swamp	Ws	full	MC30	2.22	28	62.2	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
MC53	Matthews Creek	Marsh	Wm01	-	-	0.39	29	11.38	Averaged	-	-	-	-
MC55	Matthews Creek	Marsh	Wm01	-	-	0.08	29	2.31	Averaged	-	-	-	-
MC56	Matthews Creek	Marsh	Wm01	-	-	0.19	29	5.42	Averaged	-	-	-	-
MC57	Matthews Creek	Swamp	Ws04	-	-	0.79	26	20.49	Averaged	-	-	-	-
MC58	Matthews Creek	Marsh	Wm01	-	-	0.5	29	14.62	Averaged	-	-	-	-
MC60	Matthews Creek	Marsh	Wm01	-	-	0.71	29	20.69	Averaged	-	-	-	-
MC62	Matthews Creek	Marsh	Wm01	-	-	0.28	29	8.23	Averaged	-	-	-	-
MC63	Matthews Creek	Marsh	Wm01	-	-	0.29	29	8.36	Averaged	-	-	-	-
MC64	Matthews Creek	Swamp	Ws04	-	-	1.13	26	29.45	Averaged	-	-	-	-
MC66	Matthews Creek	Fen	Wf01	-	-	1.09	28	30.45	Averaged	-	-	-	-
MC67	Matthews Creek	Marsh	Wm01	-	-	0.09	29	2.5	Averaged	-	-	-	-
MC68	Matthews Creek	Marsh	Wm01	-	-	0.17	29	4.86	Averaged	-	-	-	-
MC69	Matthews Creek	Fen	Wf	-	-	1.52	28	42.63	Averaged	-	-	-	-
MC70	Matthews Creek	Marsh	Wm01	-	-	0.2	29	5.8	Averaged	-	-	-	-
MC71	Matthews Creek	Fen	Wf	-	-	4.82	28	134.95	Averaged	-	-	-	-
MC73	Matthews Creek	Swamp	Ws	-	-	0.04	26	1.1	Averaged	-	-	-	-
MC74	Matthews Creek	Fen	Wf01	-	-	0.06	28	1.75	Averaged	-	-	-	-
MC75	Matthews Creek	Swamp	Ws	-	-	0.06	26	1.61	Averaged	-	-	-	-
MC76	Matthews Creek	Fen	Wf	full	MC22	3.97	27	107.29	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
MC78	Matthews Creek	Swamp	Ws	-	-	0.04	26	1.09	Averaged	-	-	-	-
MC79	Matthews Creek	Marsh	Wm	-	-	1.77	29	51.35	Averaged	-	-	-	-
MC80	Matthews Creek	Marsh	Wm01	-	-	0.46	29	13.28	Averaged	-	-	-	-
MC81	Matthews Creek	Swamp	Ws04	-	-	0.76	26	19.78	Averaged	-	-	-	-
MC82	Matthews Creek	Swamp	Ws04	-	-	1.67	26	43.33	Averaged	-	-	-	-
MC83	Matthews Creek	Marsh	Wm01	-	-	0.06	29	1.7	Averaged	-	-	-	-
MC84	Matthews Creek	Marsh	Wm01	-	-	0.03	29	0.79	Averaged	-	-	-	-
MC85	Matthews Creek	Swamp	Ws04	-	-	0.09	26	2.29	Averaged	-	-	-	-
MC86	Matthews Creek	Marsh	Wm01	-	-	0.29	29	8.36	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
MC38	-	-	-	-	-	-	-	-	-125.0858463	53.10643987
MC39	-	-	-	-	-	-	-	-	-125.0968683	53.10399544
MC40	-	-	-	-	-	-	-	-	-125.0898986	53.10644497
MC41	-	-	-	-	-	-	-	-	-125.0960166	53.10515354
MC42	-	-	-	-	-	-	-	-	-125.0926257	53.10541453
MC43	-	-	-	-	-	-	-	-	-125.0915374	53.10887919
MC45	-	-	-	-	-	-	-	-	-125.083288	53.11390071
MC46	-	-	-	-	-	-	-	-	-125.0857418	53.11223063
MC47	-	-	-	-	-	-	-	-	-125.0828505	53.11290622
MC48	-	-	-	-	-	-	-	-	-125.0849577	53.1124216
MC49	-	-	-	-	-	-	-	-	-125.0887875	53.10945062
MC50	High (3)	High (3)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-125.0946825	53.11005089
MC53	-	-	-	-	-	-	-	-	-125.0905733	53.10735817
MC55	-	-	-	-	-	-	-	-	-125.0888834	53.10709485
MC56	-	-	-	-	-	-	-	-	-125.0897079	53.10643365
MC57	-	-	-	-	-	-	-	-	-125.0883371	53.10645394
MC58	-	-	-	-	-	-	-	-	-125.0888879	53.10617766
MC60	-	-	-	-	-	-	-	-	-125.096791	53.10500346
MC62	-	-	-	-	-	-	-	-	-125.1022276	53.1046502
MC63	-	-	-	-	-	-	-	-	-125.1012911	53.1043029
MC64	-	-	-	-	-	-	-	-	-125.1015883	53.10419092
MC66	-	-	-	-	-	-	-	-	-125.0971564	53.10433807
MC67	-	-	-	-	-	-	-	-	-125.0892828	53.10770152
MC68	-	-	-	-	-	-	-	-	-125.0887486	53.10731983
MC69	-	-	-	-	-	-	-	-	-125.0863802	53.111006
MC70	-	-	-	-	-	-	-	-	-125.0854378	53.11113481
MC71	-	-	-	-	-	-	-	-	-125.0884541	53.11017951
MC73	-	-	-	-	-	-	-	-	-125.0775383	53.1134558
MC74	-	-	-	-	-	-	-	-	-125.0769905	53.11378622
MC75	-	-	-	-	-	-	-	-	-125.075758	53.11360188
MC76	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-125.0718193	53.11213899
MC78	-	-	-	-	-	-	-	-	-125.0774309	53.11331127
MC79	-	-	-	-	-	-	-	-	-125.077142	53.11247313
MC80	-	-	-	-	-	-	-	-	-125.0858433	53.10856155
MC81	-	-	-	-	-	-	-	-	-125.0868963	53.10842461
MC82	-	-	-	-	-	-	-	-	-125.0851312	53.10881658
MC83	-	-	-	-	-	-	-	-	-125.0785617	53.10935992
MC84	-	-	-	-	-	-	-	-	-125.0784108	53.10989853
MC85	-	-	-	-	-	-	-	-	-125.0776307	53.10982085
MC86	-	-	-	-	-	-	-	-	-125.0814415	53.1114306

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
MC87	Matthews Creek	Marsh	Wm01	-	-	0.01	29	0.35	Averaged	-	-	-	-
MC88	Matthews Creek	Swamp	Ws04	-	-	0.07	26	1.95	Averaged	-	-	-	-
MC89	Matthews Creek	Swamp	Ws04	-	-	0.16	26	4.12	Averaged	-	-	-	-
MC90	Matthews Creek	Marsh	Wm01	-	-	0.02	29	0.69	Averaged	-	-	-	-
MC91	Matthews Creek	Swamp	Ws04	-	-	0.71	26	18.4	Averaged	-	-	-	-
MC92	Matthews Creek	Swamp	Ws04	-	-	3.23	26	83.95	Averaged	-	-	-	-
MC93	Matthews Creek	Swamp	Ws04	-	-	0.01	26	0.35	Averaged	-	-	-	-
MC94	Matthews Creek	Swamp	Ws04	-	-	0.04	26	0.95	Averaged	-	-	-	-
MC95	Matthews Creek	Marsh	Wm01	-	-	0.07	29	2.11	Averaged	-	-	-	-
MC96	Matthews Creek	Marsh	Wm01	-	-	0.2	29	5.83	Averaged	-	-	-	-
MC97	Matthews Creek	Marsh	Wm01	-	-	0.17	29	4.81	Averaged	-	-	-	-
MC98	Matthews Creek	Marsh	Wm01	-	-	0.01	29	0.35	Averaged	-	-	-	-
MC99	Matthews Creek	Marsh	Wm01	-	-	0.12	29	3.36	Averaged	-	-	-	-
WT-22-001A	Mine Access Road	Swamp	Ws04	-	-	4.2	26	109.19	Averaged	-	-	-	-
WT-22-001B	Mine Access Road	Swamp	Ws04	-	-	2.01	26	52.33	Averaged	-	-	-	-
WT-22-002	Outside Y23 Footprint	Fen	Wf02	-	-	7.89	28	220.96	Averaged	-	-	-	-
WT-22-003A	Transmission Line	Swamp	Ws04	full	WT-22-003	8.68	26	225.81	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-003B	Transmission Line	Swamp	Ws04	-	-	4.57	26	118.71	Averaged	-	-	-	-
WT-22-004	Outside Y23 Footprint	Swamp	Ws07	-	-	2.66	26	69.19	Averaged	-	-	-	-
WT-22-005	Outside Y23 Footprint	Fen	Wf01	-	-	1.05	28	29.3	Averaged	-	-	-	-
WT-22-006	Outside Y23 Footprint	Swamp	Ws04	-	-	2.21	26	57.56	Averaged	-	-	-	-
WT-22-007	Outside Y23 Footprint	Swamp	Ws07	-	-	2.5	26	64.9	Averaged	-	-	-	-
WT-22-008A	Transmission Line	Swamp	Ws07	-	-	1.92	26	49.84	Averaged	-	-	-	-
WT-22-008B	Outside Y23 Footprint	Swamp	Ws07	-	-	0.06	26	1.64	Averaged	-	-	-	-
WT-22-008C	Outside Y23 Footprint	Swamp	Ws07	-	-	0.04	26	1.08	Averaged	-	-	-	-
WT-22-009	Outside Y23 Footprint	Fen	Wf02	-	-	2.17	28	60.7	Averaged	-	-	-	-
WT-22-010	Outside Y23 Footprint	Bog	Wb01	-	-	2.22	27	59.99	Averaged	-	-	-	-
WT-22-011	Transmission Line	Fen	Wf08	-	-	5.84	28	163.48	Averaged	-	-	-	-
WT-22-012A	Outside Y23 Footprint	Swamp	Ws04	-	-	0.21	26	5.39	Averaged	-	-	-	-
WT-22-012B	Transmission Line	Swamp	Ws07	-	-	0.6	26	15.48	Averaged	-	-	-	-
WT-22-012C	Transmission Line	Swamp	Ws07	-	-	0.1	26	2.61	Averaged	-	-	-	-
WT-22-014	Outside Y23 Footprint	Swamp	Ws07	-	-	3.32	26	86.27	Averaged	-	-	-	-
WT-22-015	Transmission Line	Swamp	Ws04	-	-	14.59	26	379.24	Averaged	-	-	-	-
WT-22-017	Transmission Line	Swamp	Ws07	-	-	0.93	26	24.29	Averaged	-	-	-	-
WT-22-018	Outside Y23 Footprint	Swamp	Ws07	-	-	9.28	26	241.2	Averaged	-	-	-	-
WT-22-021	Outside Y23 Footprint	Swamp	Ws07	-	-	1.38	26	35.9	Averaged	-	-	-	-
WT-22-023	Transmission Line	Fen	Wf01	-	-	0.18	28	5	Averaged	-	-	-	-
WT-22-024	Outside Y23 Footprint	Fen	Wf01	-	-	0.31	28	8.82	Averaged	-	-	-	-
WT-22-025A	Outside Y23 Footprint	SOW	Ww	-	-	1.95	30	58.59	Averaged	-	-	-	-
WT-22-025B	Outside Y23 Footprint	SOW	Ww	-	-	0.08	30	2.3	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
MC87	-	-	-	-	-	-	-	-	-125.0796121	53.11042163
MC88	-	-	-	-	-	-	-	-	-125.078855	53.11033448
MC89	-	-	-	-	-	-	-	-	-125.0800801	53.11074493
MC90	-	-	-	-	-	-	-	-	-125.0836089	53.1109564
MC91	-	-	-	-	-	-	-	-	-125.0846777	53.11036102
MC92	-	-	-	-	-	-	-	-	-125.0828386	53.11044104
MC93	-	-	-	-	-	-	-	-	-125.0822619	53.11145146
MC94	-	-	-	-	-	-	-	-	-125.0813997	53.11166436
MC95	-	-	-	-	-	-	-	-	-125.0819447	53.11153425
MC96	-	-	-	-	-	-	-	-	-125.0807854	53.11135587
MC97	-	-	-	-	-	-	-	-	-125.0823453	53.11101712
MC98	-	-	-	-	-	-	-	-	-125.0798237	53.11103994
MC99	-	-	-	-	-	-	-	-	-125.0800888	53.11115736
WT-22-001A	-	-	-	-	-	-	-	-	-124.8227923	53.28799606
WT-22-001B	-	-	-	-	-	-	-	-	-124.8171413	53.29019855
WT-22-002	-	-	-	-	-	-	-	-	-124.7862519	53.30487551
WT-22-003A	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.7574178	53.31568946
WT-22-003B	-	-	-	-	-	-	-	-	-124.7611283	53.31702791
WT-22-004	-	-	-	-	-	-	-	-	-124.7527083	53.31610509
WT-22-005	-	-	-	-	-	-	-	-	-124.7571144	53.31397145
WT-22-006	-	-	-	-	-	-	-	-	-124.7577802	53.3148098
WT-22-007	-	-	-	-	-	-	-	-	-124.7486578	53.31571637
WT-22-008A	-	-	-	-	-	-	-	-	-124.7543223	53.31686692
WT-22-008B	-	-	-	-	-	-	-	-	-124.7535614	53.318615
WT-22-008C	-	-	-	-	-	-	-	-	-124.7524355	53.31834305
WT-22-009	-	-	-	-	-	-	-	-	-124.7621191	53.31774806
WT-22-010	-	-	-	-	-	-	-	-	-124.7638945	53.31863675
WT-22-011	-	-	-	-	-	-	-	-	-124.7565423	53.31865252
WT-22-012A	-	-	-	-	-	-	-	-	-124.7487549	53.32017777
WT-22-012B	-	-	-	-	-	-	-	-	-124.7487324	53.32017169
WT-22-012C	-	-	-	-	-	-	-	-	-124.7498176	53.31898218
WT-22-014	-	-	-	-	-	-	-	-	-124.729864	53.32337138
WT-22-015	-	-	-	-	-	-	-	-	-124.7509418	53.32228928
WT-22-017	-	-	-	-	-	-	-	-	-124.7170898	53.32215057
WT-22-018	-	-	-	-	-	-	-	-	-124.6827549	53.32424446
WT-22-021	-	-	-	-	-	-	-	-	-124.6822582	53.33129812
WT-22-023	-	-	-	-	-	-	-	-	-124.6490691	53.34487608
WT-22-024	-	-	-	-	-	-	-	-	-124.6540917	53.3559532
WT-22-025A	-	-	-	-	-	-	-	-	-124.6513905	53.35559824
WT-22-025B	-	-	-	-	-	-	-	-	-124.6525984	53.35510618

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-026	Outside Y23 Footprint	Bog	Wb08	-	-	2.08	27	56.11	Averaged	-	-	-	-
WT-22-027	Transmission Line	Fen	Wf01	full	WT-22-027	0.42	26	10.97	Calculated	Moderate (2)	Low (1)	High (3)	Low (1)
WT-22-028A	Outside Y23 Footprint	Fen	Wf01	-	-	5.08	28	142.37	Averaged	-	-	-	-
WT-22-028B	Outside Y23 Footprint	Fen	Wf02	-	-	0.82	28	23.05	Averaged	-	-	-	-
WT-22-028C	Outside Y23 Footprint	Fen	Wf02	-	-	0.36	28	10.11	Averaged	-	-	-	-
WT-22-029	Outside Y23 Footprint	Bog	Wb05	-	-	1.25	27	33.74	Averaged	-	-	-	-
WT-22-030	Outside Y23 Footprint	Swamp	Ws07	-	-	2.22	26	57.72	Averaged	-	-	-	-
WT-22-031	Transmission Line	Swamp	Ws07	-	-	2.68	26	69.57	Averaged	-	-	-	-
WT-22-033	Transmission Line	Swamp	Ws07	-	-	1.99	26	51.76	Averaged	-	-	-	-
WT-22-035	Outside Y23 Footprint	Bog	Wb05	-	-	1.06	27	28.51	Averaged	-	-	-	-
WT-22-036	Transmission Line	Swamp	Ws07	-	-	0.51	26	13.22	Averaged	-	-	-	-
WT-22-037A	Outside Y23 Footprint	Swamp	Ws07	-	-	2.87	26	74.61	Averaged	-	-	-	-
WT-22-037B	Outside Y23 Footprint	Swamp	Ws07	-	-	0.18	26	4.7	Averaged	-	-	-	-
WT-22-037C	Outside Y23 Footprint	Swamp	Ws07	-	-	0.46	26	11.83	Averaged	-	-	-	-
WT-22-039	Transmission Line	Swamp	Ws07	-	-	0.29	26	7.48	Averaged	-	-	-	-
WT-22-040	Outside Y23 Footprint	Swamp	Ws07	-	-	0.54	26	14.11	Averaged	-	-	-	-
WT-22-042A	Outside Y23 Footprint	Swamp	Ws07	-	-	5.69	26	147.99	Averaged	-	-	-	-
WT-22-042B	Outside Y23 Footprint	Swamp	Ws07	-	-	0.58	26	15.11	Averaged	-	-	-	-
WT-22-043	Outside Y23 Footprint	Swamp	Ws07	-	-	0.26	26	6.89	Averaged	-	-	-	-
WT-22-044	Transmission Line	Swamp	Ws07	-	-	2.76	26	71.84	Averaged	-	-	-	-
WT-22-045	Outside Y23 Footprint	Bog	Wb05	-	-	5.11	27	138.01	Averaged	-	-	-	-
WT-22-051	Outside Y23 Footprint	Swamp	Ws04	-	-	1.02	26	26.51	Averaged	-	-	-	-
WT-22-052B	Outside Y23 Footprint	Swamp	Ws04	-	-	0.4	26	10.3	Averaged	-	-	-	-
WT-22-057	Transmission Line	Fen	Wf02	-	-	2.07	28	57.83	Averaged	-	-	-	-
WT-22-064	Transmission Line	Swamp	Ws07	-	-	4.04	26	104.94	Averaged	-	-	-	-
WT-22-065	Outside Y23 Footprint	Swamp	Ws07	-	-	0.46	26	12.08	Averaged	-	-	-	-
WT-22-066	Outside Y23 Footprint	Swamp	Ws07	-	-	0.44	26	11.36	Averaged	-	-	-	-
WT-22-067	Outside Y23 Footprint	Bog	Wb01	-	-	2.49	27	67.2	Averaged	-	-	-	-
WT-22-069	Outside Y23 Footprint	Swamp	Ws07	full	WT-22-069	1.25	22	27.51	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-070	Outside Y23 Footprint	Swamp	Ws07	-	-	0.47	26	12.34	Averaged	-	-	-	-
WT-22-071	Outside Y23 Footprint	Bog	Wb01	full	WT-22-071	0.8	30	23.91	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-072	Transmission Line	Swamp	Ws07	-	-	0.8	26	20.92	Averaged	-	-	-	-
WT-22-073	Transmission Line	Swamp	Ws07	-	-	0.44	26	11.56	Averaged	-	-	-	-
WT-22-076	Outside Y23 Footprint	Swamp	Ws07	-	-	1.01	26	26.38	Averaged	-	-	-	-
WT-22-079	Outside Y23 Footprint	Swamp	Ws04	-	-	0.71	26	18.38	Averaged	-	-	-	-
WT-22-080	Outside Y23 Footprint	Marsh	Wm01	-	-	1.24	29	35.94	Averaged	-	-	-	-
WT-22-081	Outside Y23 Footprint	Fen	Wf01	-	-	0.67	28	18.66	Averaged	-	-	-	-
WT-22-082	Outside Y23 Footprint	Swamp	Ws07	-	-	0.1	26	2.61	Averaged	-	-	-	-
WT-22-083	Transmission Line	Fen	Wf01	-	-	0.72	28	20.29	Averaged	-	-	-	-
WT-22-087	Transmission Line	Bog	Wb05	-	-	2.2	27	59.28	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-026	-	-	-	-	-	-	-	-	-124.6581812	53.35535453
WT-22-027	High (3)	High (3)	Moderate (2)	High (3)	High (3)	Low (1)	At Risk (3)	Low (1)	-124.6544984	53.35694602
WT-22-028A	-	-	-	-	-	-	-	-	-124.6506573	53.35588993
WT-22-028B	-	-	-	-	-	-	-	-	-124.6469315	53.35736612
WT-22-028C	-	-	-	-	-	-	-	-	-124.647476	53.35635815
WT-22-029	-	-	-	-	-	-	-	-	-124.6510936	53.35718277
WT-22-030	-	-	-	-	-	-	-	-	-124.6502533	53.35808938
WT-22-031	-	-	-	-	-	-	-	-	-124.6427037	53.36724702
WT-22-033	-	-	-	-	-	-	-	-	-124.5661924	53.42127531
WT-22-035	-	-	-	-	-	-	-	-	-124.5667512	53.42738931
WT-22-036	-	-	-	-	-	-	-	-	-124.562401	53.43059149
WT-22-037A	-	-	-	-	-	-	-	-	-124.5592783	53.43431106
WT-22-037B	-	-	-	-	-	-	-	-	-124.5574107	53.43382741
WT-22-037C	-	-	-	-	-	-	-	-	-124.5628796	53.43391522
WT-22-039	-	-	-	-	-	-	-	-	-124.5477201	53.43615449
WT-22-040	-	-	-	-	-	-	-	-	-124.5446967	53.43635252
WT-22-042A	-	-	-	-	-	-	-	-	-124.53533	53.44430734
WT-22-042B	-	-	-	-	-	-	-	-	-124.5317718	53.4419664
WT-22-043	-	-	-	-	-	-	-	-	-124.5271629	53.4527813
WT-22-044	-	-	-	-	-	-	-	-	-124.5331709	53.4612339
WT-22-045	-	-	-	-	-	-	-	-	-124.5352618	53.47114498
WT-22-051	-	-	-	-	-	-	-	-	-124.5905268	53.53258417
WT-22-052B	-	-	-	-	-	-	-	-	-124.5919219	53.53426374
WT-22-057	-	-	-	-	-	-	-	-	-124.570976	53.55629805
WT-22-064	-	-	-	-	-	-	-	-	-124.7017912	53.59118235
WT-22-065	-	-	-	-	-	-	-	-	-124.7023086	53.59433399
WT-22-066	-	-	-	-	-	-	-	-	-124.7157283	53.59450118
WT-22-067	-	-	-	-	-	-	-	-	-124.6994565	53.59439293
WT-22-069	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	Not Functioning (1)	Low (1)	-124.7163448	53.5958451
WT-22-070	-	-	-	-	-	-	-	-	-124.7193437	53.59686442
WT-22-071	High (3)	High (3)	Low (1)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-124.7120839	53.59454407
WT-22-072	-	-	-	-	-	-	-	-	-124.7334781	53.61739461
WT-22-073	-	-	-	-	-	-	-	-	-124.7346165	53.61825759
WT-22-076	-	-	-	-	-	-	-	-	-124.7448116	53.62477439
WT-22-079	-	-	-	-	-	-	-	-	-124.7508996	53.63107163
WT-22-080	-	-	-	-	-	-	-	-	-124.7489874	53.63178139
WT-22-081	-	-	-	-	-	-	-	-	-124.7578586	53.63306526
WT-22-082	-	-	-	-	-	-	-	-	-124.7595433	53.63378277
WT-22-083	-	-	-	-	-	-	-	-	-124.7611556	53.63457785
WT-22-087	-	-	-	-	-	-	-	-	-124.7869051	53.63843457

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-090	Outside Y23 Footprint	Swamp	Ws07	-	-	0.38	26	9.88	Averaged	-	-	-	-
WT-22-092	Transmission Line	Swamp	Ws07	-	-	4.56	26	118.66	Averaged	-	-	-	-
WT-22-093	Outside Y23 Footprint	Fen	Wf01	-	-	1.33	28	37.29	Averaged	-	-	-	-
WT-22-095	Outside Y23 Footprint	SOW	Ww	-	-	0.22	30	6.49	Averaged	-	-	-	-
WT-22-098	Outside Y23 Footprint	Fen	Wf01	-	-	0.27	28	7.69	Averaged	-	-	-	-
WT-22-099	Outside Y23 Footprint	Fen	Wf01	-	-	0.07	28	2.04	Averaged	-	-	-	-
WT-22-100	Transmission Line	Swamp	Ws07	-	-	1.14	26	29.64	Averaged	-	-	-	-
WT-22-101	Outside Y23 Footprint	Swamp	Ws07	full	WT-22-101	1.23	24	29.52	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-102	Transmission Line	Swamp	Ws07	-	-	2	26	52.03	Averaged	-	-	-	-
WT-22-103	Outside Y23 Footprint	Fen	Wf01	-	-	1.27	28	35.6	Averaged	-	-	-	-
WT-22-106	Outside Y23 Footprint	Swamp	Ws07	-	-	1.8	26	46.77	Averaged	-	-	-	-
WT-22-108	Transmission Line	Swamp	Ws07	-	-	5.21	26	135.47	Averaged	-	-	-	-
WT-22-109	Transmission Line	Swamp	Ws07	-	-	1.89	26	49.05	Averaged	-	-	-	-
WT-22-110	Outside Y23 Footprint	Swamp	Ws04	-	-	2.5	26	65.03	Averaged	-	-	-	-
WT-22-111	Outside Y23 Footprint	Fen	Wf01	-	-	0.13	28	3.67	Averaged	-	-	-	-
WT-22-112	Transmission Line	Fen	Wf02	-	-	1.25	28	34.89	Averaged	-	-	-	-
WT-22-113	Outside Y23 Footprint	Swamp	Ws07	-	-	1.36	26	35.43	Averaged	-	-	-	-
WT-22-114	Outside Y23 Footprint	Bog	Wb08	-	-	3.57	27	96.49	Averaged	-	-	-	-
WT-22-117	Outside Y23 Footprint	Swamp	Ws07	-	-	1.03	26	26.65	Averaged	-	-	-	-
WT-22-119	Outside Y23 Footprint	Swamp	Ws07	-	-	0.37	26	9.74	Averaged	-	-	-	-
WT-22-121	Outside Y23 Footprint	Swamp	Ws07	-	-	1.23	26	32.04	Averaged	-	-	-	-
WT-22-128	Outside Y23 Footprint	Marsh	Wm01	-	-	2.42	29	70.2	Averaged	-	-	-	-
WT-22-129	Outside Y23 Footprint	Swamp	Ws07	-	-	1.53	26	39.67	Averaged	-	-	-	-
WT-22-130A	Outside Y23 Footprint	SOW	Ww	-	-	0.04	30	1.18	Averaged	-	-	-	-
WT-22-130B	Outside Y23 Footprint	SOW	Ww	-	-	0.04	30	1.16	Averaged	-	-	-	-
WT-22-135	Outside Y23 Footprint	Bog	Wb05	-	-	1.1	27	29.81	Averaged	-	-	-	-
WT-22-136A	Outside Y23 Footprint	Swamp	Ws04	-	-	1.36	26	35.43	Averaged	-	-	-	-
WT-22-136B	Outside Y23 Footprint	Swamp	Ws07	-	-	0.57	26	14.71	Averaged	-	-	-	-
WT-22-138	Outside Y23 Footprint	Swamp	Ws07	-	-	3.06	26	79.52	Averaged	-	-	-	-
WT-22-141	Outside Y23 Footprint	Swamp	Ws07	-	-	5.04	26	131.06	Averaged	-	-	-	-
WT-22-148	Outside Y23 Footprint	Swamp	Ws08	full	WT-22-148	1.54	22	33.79	Calculated	Moderate (2)	Low (1)	High (3)	Low (1)
WT-22-151	Outside Y23 Footprint	Bog	Wb05	-	-	4.96	27	133.8	Averaged	-	-	-	-
WT-22-154	Transmission Line	Swamp	Ws07	-	-	1.25	26	32.43	Averaged	-	-	-	-
WT-22-155	Transmission Line	Swamp	Ws07	-	-	0.1	26	2.61	Averaged	-	-	-	-
WT-22-157	Outside Y23 Footprint	Bog	Wb08	-	-	6.22	27	168.05	Averaged	-	-	-	-
WT-22-160	Outside Y23 Footprint	Swamp	Ws07	-	-	0.5	26	13.1	Averaged	-	-	-	-
WT-22-161	Outside Y23 Footprint	Swamp	Ws07	-	-	3.1	26	80.65	Averaged	-	-	-	-
WT-22-163	Transmission Line	Swamp	Ws04	full	WT-22-163	0.25	22	5.51	Calculated	Moderate (2)	Low (1)	High (3)	Low (1)
WT-22-167	Outside Y23 Footprint	Swamp	Ws07	-	-	3.12	26	81.19	Averaged	-	-	-	-
WT-22-168	Transmission Line	Swamp	Ws07	-	-	0.34	26	8.73	Averaged	-	-	-	-
WT-22-176	Outside Y23 Footprint	Swamp	Ws04	-	-	2.24	26	58.15	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-090	-	-	-	-	-	-	-	-	-124.7990269	53.65399943
WT-22-092	-	-	-	-	-	-	-	-	-124.7997948	53.66572077
WT-22-093	-	-	-	-	-	-	-	-	-124.8012216	53.66982716
WT-22-095	-	-	-	-	-	-	-	-	-124.8292233	53.69893449
WT-22-098	-	-	-	-	-	-	-	-	-124.8379065	53.71392624
WT-22-099	-	-	-	-	-	-	-	-	-124.8374277	53.71511791
WT-22-100	-	-	-	-	-	-	-	-	-124.8387787	53.71746076
WT-22-101	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	Not Functioning (1)	Low (1)	-124.8398874	53.71886223
WT-22-102	-	-	-	-	-	-	-	-	-124.8424585	53.72663754
WT-22-103	-	-	-	-	-	-	-	-	-124.841697	53.73297111
WT-22-106	-	-	-	-	-	-	-	-	-124.8469043	53.75186201
WT-22-108	-	-	-	-	-	-	-	-	-124.848678	53.76521027
WT-22-109	-	-	-	-	-	-	-	-	-124.8538501	53.77305698
WT-22-110	-	-	-	-	-	-	-	-	-124.8579551	53.78463803
WT-22-111	-	-	-	-	-	-	-	-	-124.857947	53.78838677
WT-22-112	-	-	-	-	-	-	-	-	-124.8556248	53.7882982
WT-22-113	-	-	-	-	-	-	-	-	-124.8505856	53.79036947
WT-22-114	-	-	-	-	-	-	-	-	-124.8521219	53.8019274
WT-22-117	-	-	-	-	-	-	-	-	-124.8425375	53.8092715
WT-22-119	-	-	-	-	-	-	-	-	-124.8444444	53.83096774
WT-22-121	-	-	-	-	-	-	-	-	-124.8435632	53.84221425
WT-22-128	-	-	-	-	-	-	-	-	-124.8089711	53.8948809
WT-22-129	-	-	-	-	-	-	-	-	-124.8021314	53.89786294
WT-22-130A	-	-	-	-	-	-	-	-	-124.8310725	53.95560066
WT-22-130B	-	-	-	-	-	-	-	-	-124.8289379	53.95627409
WT-22-135	-	-	-	-	-	-	-	-	-124.9064506	53.9965587
WT-22-136A	-	-	-	-	-	-	-	-	-124.9024042	53.99392505
WT-22-136B	-	-	-	-	-	-	-	-	-124.9051703	53.99504562
WT-22-138	-	-	-	-	-	-	-	-	-124.9414922	54.00767551
WT-22-141	-	-	-	-	-	-	-	-	-124.9564324	54.01149356
WT-22-148	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	High Risk (2)	Low (1)	-124.8119551	53.90865418
WT-22-151	-	-	-	-	-	-	-	-	-124.7046599	53.59626927
WT-22-154	-	-	-	-	-	-	-	-	-124.7974199	53.6689964
WT-22-155	-	-	-	-	-	-	-	-	-124.741906	53.62418121
WT-22-157	-	-	-	-	-	-	-	-	-124.5269525	53.43933044
WT-22-160	-	-	-	-	-	-	-	-	-124.8421352	53.74608635
WT-22-161	-	-	-	-	-	-	-	-	-124.848496	53.83661053
WT-22-163	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	High Risk (2)	Low (1)	-124.8614889	53.96809322
WT-22-167	-	-	-	-	-	-	-	-	-124.8971812	53.99193705
WT-22-168	-	-	-	-	-	-	-	-	-124.8537309	53.77078907
WT-22-176	-	-	-	-	-	-	-	-	-124.7563274	53.31245193

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-177	Outside Y23 Footprint	Marsh	Wm01	-	-	0.71	29	20.55	Averaged	-	-	-	-
WT-22-178	Outside Y23 Footprint	Fen	Wf01	-	-	0.87	28	24.29	Averaged	-	-	-	-
WT-22-179	Outside Y23 Footprint	Swamp	Ws07	-	-	0.47	26	12.31	Averaged	-	-	-	-
WT-22-189	Airstrip Access Road	Swamp	Ws07	-	-	2.42	26	62.86	Averaged	-	-	-	-
WT-22-190	Transmission Line	Bog	Wb08	-	-	2.43	27	65.55	Averaged	-	-	-	-
WT-22-192	Transmission Line	Swamp	Ws07	-	-	4.53	26	117.86	Averaged	-	-	-	-
WT-22-193	Outside Y23 Footprint	Bog	Wb08	-	-	2.31	27	62.47	Averaged	-	-	-	-
WT-22-195	Mine Site	Bog	Wb05	-	-	2.73	27	73.64	Averaged	-	-	-	-
WT-22-196	Mine Access Road	Swamp	Ws07	-	-	10.15	26	263.8	Averaged	-	-	-	-
WT-22-197	Outside Y23 Footprint	Swamp	Ws07	-	-	0.95	26	24.67	Averaged	-	-	-	-
WT-22-198	Outside Y23 Footprint	Fen	Wf01	-	-	1.67	28	46.71	Averaged	-	-	-	-
WT-22-200	Mine Site	Swamp	Ws07	-	-	4.3	26	111.82	Averaged	-	-	-	-
WT-22-201	Mine Site	Swamp	Ws08	-	-	1.76	26	45.81	Averaged	-	-	-	-
WT-22-202A	Mine Access Road	Swamp	Ws07	full	-	12.26	26	318.81	Averaged	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-202B	Mine Site	Swamp	Ws08	full	WT-22-467	3.51	29	101.78	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-203A	Outside Y23 Footprint	Fen	Wf01	-	-	0.09	28	2.46	Averaged	-	-	-	-
WT-22-203B	Outside Y23 Footprint	SOW	Ww	-	-	0.01	30	0.23	Averaged	-	-	-	-
WT-22-204	Transmission Line	Bog	Wb08	full	WT-22-204	2.05	29	59.58	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-205A	Outside Y23 Footprint	Fen	Wf01	-	-	0.27	28	7.52	Averaged	-	-	-	-
WT-22-205B	Outside Y23 Footprint	SOW	Ww	-	-	0.06	30	1.73	Averaged	-	-	-	-
WT-22-206	Mine Access Road	Swamp	Ws07	full	WT-22-194	21.4	26	556.4	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-208	Outside Y23 Footprint	Fen	Wf01	-	-	0.57	28	15.93	Averaged	-	-	-	-
WT-22-209	Mine Site	Bog	Wb08	full	WT-22-209	0.14	27	3.82	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-211	Outside Y23 Footprint	Marsh	Wm01	-	-	0.18	29	5.27	Averaged	-	-	-	-
WT-22-212A	Mine Site	Marsh	Wm01	-	-	0.51	29	14.77	Averaged	-	-	-	-
WT-22-212B	Mine Site	Marsh	Wm01	-	-	0.48	29	14.01	Averaged	-	-	-	-
WT-22-213	Mine Site	Swamp	Ws07	-	-	1.76	26	45.67	Averaged	-	-	-	-
WT-22-214	Outside Y23 Footprint	Bog	Wb08	-	-	0.29	27	7.92	Averaged	-	-	-	-
WT-22-215A	Outside Y23 Footprint	Fen	Wf01	-	-	0.05	28	1.31	Averaged	-	-	-	-
WT-22-215B	Outside Y23 Footprint	SOW	Ww	-	-	0.01	30	0.25	Averaged	-	-	-	-
WT-22-216	Mine Site	Fen	Wf02	-	-	0.44	28	12.29	Averaged	-	-	-	-
WT-22-217	Outside Y23 Footprint	Bog	Wb05	-	-	0.81	27	21.94	Averaged	-	-	-	-
WT-22-218	Outside Y23 Footprint	SOW	Ww	-	-	0.05	30	1.65	Averaged	-	-	-	-
WT-22-219	Mine Site	Swamp	Ws07	-	-	7.11	26	184.79	Averaged	-	-	-	-
WT-22-220	Mine Site	Swamp	Ws04	full	WT-22-220	0.63	25	15.72	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-221	Outside Y23 Footprint	SOW	Ww	-	-	0.04	30	1.27	Averaged	-	-	-	-
WT-22-222	Transmission Line	Swamp	Ws07	-	-	5.88	26	152.86	Averaged	-	-	-	-
WT-22-223	Transmission Line	Bog	Wb08	-	-	1.44	27	38.93	Averaged	-	-	-	-
WT-22-224	Transmission Line	Swamp	Ws07	-	-	0.37	26	9.63	Averaged	-	-	-	-
WT-22-225	Outside Y23 Footprint	SOW	Ww	-	-	0.05	30	1.44	Averaged	-	-	-	-
WT-22-226	Outside Y23 Footprint	Marsh	Wm01	-	-	0.33	29	9.52	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-177	-	-	-	-	-	-	-	-	-124.7508653	53.31392269
WT-22-178	-	-	-	-	-	-	-	-	-124.7549006	53.3127404
WT-22-179	-	-	-	-	-	-	-	-	-124.6825372	53.3277462
WT-22-189	-	-	-	-	-	-	-	-	-124.8236616	53.28290373
WT-22-190	-	-	-	-	-	-	-	-	-124.8112609	53.25089269
WT-22-192	-	-	-	-	-	-	-	-	-124.8098972	53.24252552
WT-22-193	-	-	-	-	-	-	-	-	-124.8105922	53.23115107
WT-22-195	-	-	-	-	-	-	-	-	-124.8207095	53.21031127
WT-22-196	-	-	-	-	-	-	-	-	-124.8115898	53.21029846
WT-22-197	-	-	-	-	-	-	-	-	-124.8079082	53.22234138
WT-22-198	-	-	-	-	-	-	-	-	-124.8083102	53.22018658
WT-22-200	-	-	-	-	-	-	-	-	-124.8234981	53.20222911
WT-22-201	-	-	-	-	-	-	-	-	-124.8159336	53.19587452
WT-22-202A	High (3)	Low (1)	High (3)	High (3)	High (3)	High (3)	-	High (3)	-124.8157542	53.20304502
WT-22-202B	High (3)	Low (1)	High (3)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-124.82165	53.19582498
WT-22-203A	-	-	-	-	-	-	-	-	-124.8210337	53.20106205
WT-22-203B	-	-	-	-	-	-	-	-	-124.8207676	53.2012466
WT-22-204	High (3)	Moderate (2)	Low (1)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8107325	53.24096941
WT-22-205A	-	-	-	-	-	-	-	-	-124.8129187	53.24141043
WT-22-205B	-	-	-	-	-	-	-	-	-124.8128309	53.24154288
WT-22-206	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	At Risk (3)	High (3)	-124.8124585	53.23753486
WT-22-208	-	-	-	-	-	-	-	-	-124.8118767	53.22105074
WT-22-209	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.820339	53.19730217
WT-22-211	-	-	-	-	-	-	-	-	-124.8236123	53.20251367
WT-22-212A	-	-	-	-	-	-	-	-	-124.8208807	53.20402362
WT-22-212B	-	-	-	-	-	-	-	-	-124.8194494	53.20537715
WT-22-213	-	-	-	-	-	-	-	-	-124.8197427	53.20468247
WT-22-214	-	-	-	-	-	-	-	-	-124.8178007	53.20772631
WT-22-215A	-	-	-	-	-	-	-	-	-124.8179432	53.20871456
WT-22-215B	-	-	-	-	-	-	-	-	-124.8180523	53.20874894
WT-22-216	-	-	-	-	-	-	-	-	-124.8205763	53.21002241
WT-22-217	-	-	-	-	-	-	-	-	-124.8072667	53.22151075
WT-22-218	-	-	-	-	-	-	-	-	-124.8121674	53.22151002
WT-22-219	-	-	-	-	-	-	-	-	-124.8379303	53.22201968
WT-22-220	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8280729	53.22697826
WT-22-221	-	-	-	-	-	-	-	-	-124.823792	53.22521072
WT-22-222	-	-	-	-	-	-	-	-	-124.820541	53.22584883
WT-22-223	-	-	-	-	-	-	-	-	-124.8121683	53.23071188
WT-22-224	-	-	-	-	-	-	-	-	-124.8124654	53.23188746
WT-22-225	-	-	-	-	-	-	-	-	-124.8102655	53.22976025
WT-22-226	-	-	-	-	-	-	-	-	-124.8115782	53.2370828

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-227	Mine Access Road	Swamp	Ws04	full	WT-22-227A	0.28	27	7.46	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-228	Outside Y23 Footprint	Fen	Wf01	-	-	0.11	28	2.98	Averaged	-	-	-	-
WT-22-229	Transmission Line	Bog	Wb08	-	-	0.15	27	4.06	Averaged	-	-	-	-
WT-22-231	Mine Access Road	Bog	Wb08	-	-	0.34	27	9.15	Averaged	-	-	-	-
WT-22-234	Outside Y23 Footprint	Bog	Wb05	-	-	1.4	27	37.67	Averaged	-	-	-	-
WT-22-235	Outside Y23 Footprint	Fen	Wf02	-	-	0.55	28	15.43	Averaged	-	-	-	-
WT-22-236	Transmission Line	Swamp	Ws07	full	-	1.3	26	33.69	Averaged	Moderate (2)	-	High (3)	Moderate (2)
WT-22-240	Outside Y23 Footprint	Bog	Wb08	-	-	0.6	27	16.22	Averaged	-	-	-	-
WT-22-241	Transmission Line	Swamp	Ws07	-	-	0.41	26	10.57	Averaged	-	-	-	-
WT-22-243	Outside Y23 Footprint	Fen	Wf01	-	-	0.59	28	16.63	Averaged	-	-	-	-
WT-22-244	Outside Y23 Footprint	Swamp	Ws07	-	-	0.88	26	22.94	Averaged	-	-	-	-
WT-22-245	Outside Y23 Footprint	Fen	Wf01	-	-	1.77	28	49.62	Averaged	-	-	-	-
WT-22-250	Transmission Line	Bog	Wb05	-	-	1.25	27	33.75	Averaged	-	-	-	-
WT-22-255	Outside Y23 Footprint	Bog	Wb01	-	-	0.36	27	9.64	Averaged	-	-	-	-
WT-22-257	Outside Y23 Footprint	Marsh	Wm01	-	-	0.21	29	6.12	Averaged	-	-	-	-
WT-22-260	Outside Y23 Footprint	Fen	Wf02	-	-	0.09	28	2.64	Averaged	-	-	-	-
WT-22-261	Transmission Line	Fen	Wf01	-	-	0.04	28	1.24	Averaged	-	-	-	-
WT-22-262	Transmission Line	Fen	Wf01	-	-	0.04	28	1.06	Averaged	-	-	-	-
WT-22-263	Outside Y23 Footprint	Fen	Wf01	-	-	0.06	28	1.68	Averaged	-	-	-	-
WT-22-268	Transmission Line	Swamp	Ws07	-	-	0.97	26	25.14	Averaged	-	-	-	-
WT-22-270	Outside Y23 Footprint	Fen	Wf02	-	-	0.08	28	2.37	Averaged	-	-	-	-
WT-22-271	Outside Y23 Footprint	Fen	Wf02	-	-	0.04	28	1.02	Averaged	-	-	-	-
WT-22-276	Outside Y23 Footprint	Marsh	Wm01	-	-	0.33	29	9.66	Averaged	-	-	-	-
WT-22-280	Outside Y23 Footprint	Marsh	Wm01	-	-	0.21	29	6.17	Averaged	-	-	-	-
WT-22-285	Transmission Line	Swamp	Ws07	-	-	1.58	26	41.14	Averaged	-	-	-	-
WT-22-287	Outside Y23 Footprint	Swamp	Ws04	-	-	1.26	26	32.75	Averaged	-	-	-	-
WT-22-290	Outside Y23 Footprint	Marsh	Wm01	-	-	0.22	29	6.51	Averaged	-	-	-	-
WT-22-297	Transmission Line	Swamp	Ws07	-	-	2.54	26	66.14	Averaged	-	-	-	-
WT-22-299	Outside Y23 Footprint	SOW	Ww	-	-	1.04	30	31.18	Averaged	-	-	-	-
WT-22-300	Outside Y23 Footprint	SOW	Ww	-	-	1.57	30	47.07	Averaged	-	-	-	-
WT-22-311	Outside Y23 Footprint	Swamp	Ws07	full	WT-22-311	0.93	22	20.43	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-315	Outside Y23 Footprint	Swamp	Ws07	-	-	0.89	26	23.08	Averaged	-	-	-	-
WT-22-318	Outside Y23 Footprint	SOW	Ww	-	-	0.26	30	7.79	Averaged	-	-	-	-
WT-22-319	Outside Y23 Footprint	Swamp	Ws07	-	-	0.44	26	11.49	Averaged	-	-	-	-
WT-22-324	Outside Y23 Footprint	Marsh	Wm01	-	-	0.15	29	4.45	Averaged	-	-	-	-
WT-22-325	Outside Y23 Footprint	SOW	Ww	-	-	0.04	30	1.17	Averaged	-	-	-	-
WT-22-326	Outside Y23 Footprint	SOW	Ww	-	-	0.06	30	1.87	Averaged	-	-	-	-
WT-22-327	Outside Y23 Footprint	Swamp	Ws08	-	-	3.31	26	86.1	Averaged	-	-	-	-
WT-22-328A	Outside Y23 Footprint	Bog	Wb08	-	-	0.2	27	5.45	Averaged	-	-	-	-
WT-22-328B	Outside Y23 Footprint	Fen	Wf01	-	-	0.12	28	3.39	Averaged	-	-	-	-
WT-22-328C	Outside Y23 Footprint	Bog	Wb08	-	-	0.17	27	4.62	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-227	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8139793	53.23693506
WT-22-228	-	-	-	-	-	-	-	-	-124.8152834	53.25111078
WT-22-229	-	-	-	-	-	-	-	-	-124.8148659	53.25185351
WT-22-231	-	-	-	-	-	-	-	-	-124.8132844	53.2414735
WT-22-234	-	-	-	-	-	-	-	-	-124.763454	53.3197647
WT-22-235	-	-	-	-	-	-	-	-	-124.7620422	53.31660524
WT-22-236	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.757963	53.31572
WT-22-240	-	-	-	-	-	-	-	-	-124.6511687	53.35751193
WT-22-241	-	-	-	-	-	-	-	-	-124.6485608	53.36283853
WT-22-243	-	-	-	-	-	-	-	-	-124.5650959	53.42738435
WT-22-244	-	-	-	-	-	-	-	-	-124.5465157	53.43737644
WT-22-245	-	-	-	-	-	-	-	-	-124.5258476	53.43867872
WT-22-250	-	-	-	-	-	-	-	-	-124.5708999	53.55737742
WT-22-255	-	-	-	-	-	-	-	-	-124.7131879	53.59470254
WT-22-257	-	-	-	-	-	-	-	-	-124.7193526	53.59692786
WT-22-260	-	-	-	-	-	-	-	-	-124.7601126	53.6338233
WT-22-261	-	-	-	-	-	-	-	-	-124.7623233	53.6342241
WT-22-262	-	-	-	-	-	-	-	-	-124.7716151	53.63444147
WT-22-263	-	-	-	-	-	-	-	-	-124.7712613	53.6341568
WT-22-268	-	-	-	-	-	-	-	-	-124.7825619	53.63440128
WT-22-270	-	-	-	-	-	-	-	-	-124.7860255	53.63736368
WT-22-271	-	-	-	-	-	-	-	-	-124.7869666	53.63740062
WT-22-276	-	-	-	-	-	-	-	-	-124.7975536	53.67150004
WT-22-280	-	-	-	-	-	-	-	-	-124.842307	53.71977657
WT-22-285	-	-	-	-	-	-	-	-	-124.8519193	53.76969964
WT-22-287	-	-	-	-	-	-	-	-	-124.8536588	53.78073638
WT-22-290	-	-	-	-	-	-	-	-	-124.8444707	53.83081463
WT-22-297	-	-	-	-	-	-	-	-	-124.8126686	53.93835447
WT-22-299	-	-	-	-	-	-	-	-	-124.8223009	53.95260813
WT-22-300	-	-	-	-	-	-	-	-	-124.817521	53.95324211
WT-22-311	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	Not Functioning (1)	Low (1)	-124.9189325	54.00275288
WT-22-315	-	-	-	-	-	-	-	-	-124.963374	54.04510825
WT-22-318	-	-	-	-	-	-	-	-	-125.0037226	54.06753557
WT-22-319	-	-	-	-	-	-	-	-	-125.0018229	54.06841942
WT-22-324	-	-	-	-	-	-	-	-	-124.8215791	53.20125829
WT-22-325	-	-	-	-	-	-	-	-	-124.8215805	53.20120881
WT-22-326	-	-	-	-	-	-	-	-	-124.8210046	53.20099839
WT-22-327	-	-	-	-	-	-	-	-	-124.8594212	53.18678643
WT-22-328A	-	-	-	-	-	-	-	-	-124.9220861	53.18452377
WT-22-328B	-	-	-	-	-	-	-	-	-124.9201086	53.18492745
WT-22-328C	-	-	-	-	-	-	-	-	-124.9195285	53.18579028

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-328D	Outside Y23 Footprint	Swamp	Ws08	-	-	0.64	26	16.68	Averaged	-	-	-	-
WT-22-328E	Outside Y23 Footprint	Swamp	Ws08	-	-	0.09	26	2.45	Averaged	-	-	-	-
WT-22-328F	Outside Y23 Footprint	Swamp	Ws08	-	-	0.13	26	3.32	Averaged	-	-	-	-
WT-22-328G	Outside Y23 Footprint	Swamp	Ws08	-	-	0.29	26	7.55	Averaged	-	-	-	-
WT-22-329	Mine Site	Marsh	Wm01	-	-	1.28	29	37.21	Averaged	-	-	-	-
WT-22-330	Mine Site	Swamp	Ws08	-	-	1.27	26	33.06	Averaged	-	-	-	-
WT-22-331	Outside Y23 Footprint	Swamp	Ws08	-	-	3.7	26	96.16	Averaged	-	-	-	-
WT-22-332	Mine Site	Fen	Wf08	full	WT-22-332	3.07	31	95.17	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-333	Mine Site	Marsh	Wm00	full	WT-22-333	0.86	29	24.95	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-334	Mine Site	SOW	Ww	-	-	2.05	30	61.62	Averaged	-	-	-	-
WT-22-335	Mine Site	Bog	Wb08	-	-	1.38	27	37.18	Averaged	-	-	-	-
WT-22-336A	Mine Site	Swamp	Ws07	-	-	0.24	26	6.16	Averaged	-	-	-	-
WT-22-336B	Mine Site	Swamp	Ws07	-	-	0.25	26	6.37	Averaged	-	-	-	-
WT-22-336C	Mine Site	Swamp	Ws07	-	-	0.23	26	6.11	Averaged	-	-	-	-
WT-22-337	Outside Y23 Footprint	Bog	Wb08	-	-	0.45	27	12.07	Averaged	-	-	-	-
WT-22-338A	Mine Site	Swamp	Ws08	-	-	3.17	26	82.47	Averaged	-	-	-	-
WT-22-338B	Mine Site	Swamp	Ws08	-	-	5.55	26	144.36	Averaged	-	-	-	-
WT-22-338C	Mine Site	Swamp	Ws08	-	-	0.7	26	18.13	Averaged	-	-	-	-
WT-22-338D	Mine Site	Swamp	Ws07	full	-	1.52	26	39.53	Averaged	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-338E	Mine Site	Bog	Wb08	-	-	0.13	27	3.63	Averaged	-	-	-	-
WT-22-338F	Mine Site	Swamp	Ws08	-	-	0.09	26	2.46	Averaged	-	-	-	-
WT-22-340	Outside Y23 Footprint	Bog	Wb05	-	-	1.42	27	38.25	Averaged	-	-	-	-
WT-22-343	Mine Site	Bog	Wb05	-	-	7.22	27	194.93	Averaged	-	-	-	-
WT-22-345A	Mine Site	Swamp	Ws08	-	-	1.61	26	41.89	Averaged	-	-	-	-
WT-22-345B	Mine Site	Fen	Wf04	full	WT-22-345	0.22	28	6.04	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-346	Outside Y23 Footprint	Marsh	Wm01	-	-	0.3	29	8.66	Averaged	-	-	-	-
WT-22-347	Outside Y23 Footprint	Fen	Wf02	-	-	0.37	28	10.41	Averaged	-	-	-	-
WT-22-348A	Outside Y23 Footprint	Fen	Wf13	-	-	0.18	28	5.12	Averaged	-	-	-	-
WT-22-348B	Outside Y23 Footprint	Fen	Wf11	full	WT-22-348	0.26	30	7.84	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-349A	Mine Site	Fen	Wf02	-	-	0.79	28	22.15	Averaged	-	-	-	-
WT-22-349B	Mine Site	Bog	Wb08	-	-	0.17	27	4.49	Averaged	-	-	-	-
WT-22-349C	Mine Site	Bog	Wb08	-	-	0.06	27	1.5	Averaged	-	-	-	-
WT-22-350	Mine Site	Bog	Wb08	-	-	0.35	27	9.53	Averaged	-	-	-	-
WT-22-353A	Mine Site	Bog	Wb08	-	-	0.14	27	3.72	Averaged	-	-	-	-
WT-22-353B	Mine Site	Bog	Wb08	-	-	0.17	27	4.64	Averaged	-	-	-	-
WT-22-353C	Mine Site	Swamp	Ws07	-	-	0.16	26	4.25	Averaged	-	-	-	-
WT-22-353D	Mine Site	Swamp	Ws08	-	-	0.18	26	4.57	Averaged	-	-	-	-
WT-22-354	Mine Site	Bog	Wb08	-	-	0.96	27	25.79	Averaged	-	-	-	-
WT-22-355A	Outside Y23 Footprint	Swamp	Ws08	full	WT-22-355	1.17	27	31.64	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-355B	Outside Y23 Footprint	Swamp	Ws08	-	-	1.28	26	33.25	Averaged	-	-	-	-
WT-22-355C	Outside Y23 Footprint	Swamp	Ws08	-	-	0.94	26	24.41	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-328D	-	-	-	-	-	-	-	-	-124.9228897	53.18595116
WT-22-328E	-	-	-	-	-	-	-	-	-124.9205951	53.18605478
WT-22-328F	-	-	-	-	-	-	-	-	-124.9237721	53.18400099
WT-22-328G	-	-	-	-	-	-	-	-	-124.9202128	53.186352
WT-22-329	-	-	-	-	-	-	-	-	-124.9083244	53.19325134
WT-22-330	-	-	-	-	-	-	-	-	-124.8999559	53.19513831
WT-22-331	-	-	-	-	-	-	-	-	-124.8991338	53.23363106
WT-22-332	High (3)	High (3)	Moderate (2)	High (3)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8703756	53.22299309
WT-22-333	High (3)	Moderate (2)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8443806	53.21023522
WT-22-334	-	-	-	-	-	-	-	-	-124.8497554	53.22081042
WT-22-335	-	-	-	-	-	-	-	-	-124.838448	53.22425003
WT-22-336A	-	-	-	-	-	-	-	-	-124.8692897	53.22114319
WT-22-336B	-	-	-	-	-	-	-	-	-124.8631672	53.22072491
WT-22-336C	-	-	-	-	-	-	-	-	-124.8660785	53.22046884
WT-22-337	-	-	-	-	-	-	-	-	-124.9181553	53.19786568
WT-22-338A	-	-	-	-	-	-	-	-	-124.8972206	53.21621311
WT-22-338B	-	-	-	-	-	-	-	-	-124.8763041	53.21668289
WT-22-338C	-	-	-	-	-	-	-	-	-124.8763769	53.2159735
WT-22-338D	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	-	High (3)	-124.8627442	53.21695587
WT-22-338E	-	-	-	-	-	-	-	-	-124.8758124	53.21365567
WT-22-338F	-	-	-	-	-	-	-	-	-124.8761167	53.21326437
WT-22-340	-	-	-	-	-	-	-	-	-124.8915665	53.20524709
WT-22-343	-	-	-	-	-	-	-	-	-124.8217301	53.193481
WT-22-345A	-	-	-	-	-	-	-	-	-124.8620281	53.17949597
WT-22-345B	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8652269	53.17936248
WT-22-346	-	-	-	-	-	-	-	-	-124.8880137	53.18120496
WT-22-347	-	-	-	-	-	-	-	-	-124.8874959	53.18253248
WT-22-348A	-	-	-	-	-	-	-	-	-124.8862702	53.18318964
WT-22-348B	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8860576	53.18334937
WT-22-349A	-	-	-	-	-	-	-	-	-124.8679455	53.20288685
WT-22-349B	-	-	-	-	-	-	-	-	-124.8678073	53.2031849
WT-22-349C	-	-	-	-	-	-	-	-	-124.8684553	53.20283925
WT-22-350	-	-	-	-	-	-	-	-	-124.8699524	53.20087389
WT-22-353A	-	-	-	-	-	-	-	-	-124.8954679	53.19800707
WT-22-353B	-	-	-	-	-	-	-	-	-124.8933418	53.19794556
WT-22-353C	-	-	-	-	-	-	-	-	-124.8920236	53.19838113
WT-22-353D	-	-	-	-	-	-	-	-	-124.8962781	53.19797608
WT-22-354	-	-	-	-	-	-	-	-	-124.8995864	53.1968391
WT-22-355A	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8492807	53.18020033
WT-22-355B	-	-	-	-	-	-	-	-	-124.8494454	53.17913253
WT-22-355C	-	-	-	-	-	-	-	-	-124.8457309	53.17903715

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-358A	Mine Site	Swamp	Ws07	-	-	3.57	26	92.85	Averaged	-	-	-	-
WT-22-358B	Mine Site	Swamp	Ws07	-	-	0.9	26	23.34	Averaged	-	-	-	-
WT-22-358C	Mine Site	Swamp	Ws07	-	-	1.13	26	29.37	Averaged	-	-	-	-
WT-22-359A	Mine Site	Swamp	Ws08	-	-	0.16	26	4.13	Averaged	-	-	-	-
WT-22-359B	Mine Site	Swamp	Ws08	-	-	0.55	26	14.27	Averaged	-	-	-	-
WT-22-360	Mine Site	Swamp	Ws08	-	-	0.19	26	5.02	Averaged	-	-	-	-
WT-22-362A	Mine Site	Swamp	Ws08	-	-	1.1	26	28.5	Averaged	-	-	-	-
WT-22-362B	Mine Site	Swamp	Ws08	-	-	0.72	26	18.7	Averaged	-	-	-	-
WT-22-363	Mine Site	Swamp	Ws07	-	-	2.25	26	58.4	Averaged	-	-	-	-
WT-22-364	Mine Site	Swamp	Ws08	-	-	2.18	26	56.71	Averaged	-	-	-	-
WT-22-365	Mine Site	Swamp	Ws08	-	-	0.78	26	20.2	Averaged	-	-	-	-
WT-22-366	Outside Y23 Footprint	Fen	Wf08	-	-	4.73	28	132.48	Averaged	-	-	-	-
WT-22-367A	Outside Y23 Footprint	Fen	Wf04	full	WT-22-367	0.14	27	3.79	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-367B	Outside Y23 Footprint	Bog	Wb05	-	-	2.4	27	64.76	Averaged	-	-	-	-
WT-22-369	Outside Y23 Footprint	Bog	Wb05	-	-	0.72	27	19.44	Averaged	-	-	-	-
WT-22-370	Outside Y23 Footprint	Bog	Wb05	-	-	0.69	27	18.63	Averaged	-	-	-	-
WT-22-371A	Mine Site	Marsh	Wm01	-	-	0.72	29	21.01	Averaged	-	-	-	-
WT-22-371B	Mine Site	Swamp	Ws08	-	-	0.62	26	16.16	Averaged	-	-	-	-
WT-22-372	Mine Site	Bog	Wb05	-	-	0.35	27	9.53	Averaged	-	-	-	-
WT-22-373	Mine Site	Bog	Wb10	full	WT-22-373	0.36	26	9.31	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-374	Outside Y23 Footprint	Bog	Wb10	-	-	0.16	27	4.22	Averaged	-	-	-	-
WT-22-375	Outside Y23 Footprint	SOW	Ww	-	-	0.15	30	4.57	Averaged	-	-	-	-
WT-22-376	Outside Y23 Footprint	Swamp	Ws08	-	-	1.05	26	27.22	Averaged	-	-	-	-
WT-22-377	Outside Y23 Footprint	Bog	Wb05	-	-	1.81	27	48.88	Averaged	-	-	-	-
WT-22-378A	Outside Y23 Footprint	Fen	Wf13	-	-	1.61	28	45.03	Averaged	-	-	-	-
WT-22-378B	Outside Y23 Footprint	Bog	Wb05	-	-	0.8	27	21.53	Averaged	-	-	-	-
WT-22-379	Mine Site	Bog	Wb05	-	-	0.35	27	9.47	Averaged	-	-	-	-
WT-22-380	Mine Site	Bog	Wb05	-	-	1.18	27	31.73	Averaged	-	-	-	-
WT-22-381	Mine Site	Fen	Wf02	-	-	1.36	28	38	Averaged	-	-	-	-
WT-22-382	Mine Site	Bog	Wb05	-	-	0.49	27	13.14	Averaged	-	-	-	-
WT-22-383	Mine Site	Bog	Wb08	-	-	0.44	27	11.81	Averaged	-	-	-	-
WT-22-384	Outside Y23 Footprint	Bog	Wb05	-	-	0.75	27	20.16	Averaged	-	-	-	-
WT-22-385	Outside Y23 Footprint	SOW	Ww	-	-	0.2	30	5.95	Averaged	-	-	-	-
WT-22-386	Outside Y23 Footprint	SOW	Ww	-	-	0.36	30	10.66	Averaged	-	-	-	-
WT-22-387	Outside Y23 Footprint	Bog	Wb05	-	-	0.95	27	25.76	Averaged	-	-	-	-
WT-22-388	Outside Y23 Footprint	Bog	Wb05	-	-	0.41	27	11.18	Averaged	-	-	-	-
WT-22-389	Outside Y23 Footprint	Bog	Wb05	-	-	0.15	27	4.06	Averaged	-	-	-	-
WT-22-390A	Outside Y23 Footprint	Bog	Wb10	full	WT-22-390A	0.29	28	8.1	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-390B	Outside Y23 Footprint	Bog	Wb08	-	-	1.79	27	48.36	Averaged	-	-	-	-
WT-22-391	Mine Site	Fen	Wf11	full	WT-22-391	0.38	31	11.7	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-392	Mine Site	Bog	Wb08	-	-	3.06	27	82.61	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-358A	-	-	-	-	-	-	-	-	-124.857732	53.22050367
WT-22-358B	-	-	-	-	-	-	-	-	-124.8532497	53.21981349
WT-22-358C	-	-	-	-	-	-	-	-	-124.8520439	53.22009089
WT-22-359A	-	-	-	-	-	-	-	-	-124.8440143	53.20818872
WT-22-359B	-	-	-	-	-	-	-	-	-124.8504098	53.20346901
WT-22-360	-	-	-	-	-	-	-	-	-124.8314167	53.19649487
WT-22-362A	-	-	-	-	-	-	-	-	-124.8831565	53.20710505
WT-22-362B	-	-	-	-	-	-	-	-	-124.8784295	53.20665645
WT-22-363	-	-	-	-	-	-	-	-	-124.8558521	53.21136871
WT-22-364	-	-	-	-	-	-	-	-	-124.8559131	53.20346851
WT-22-365	-	-	-	-	-	-	-	-	-124.8765381	53.22429654
WT-22-366	-	-	-	-	-	-	-	-	-124.8939477	53.23294297
WT-22-367A	High (3)	Low (1)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8545558	53.18007765
WT-22-367B	-	-	-	-	-	-	-	-	-124.8525024	53.1797509
WT-22-369	-	-	-	-	-	-	-	-	-124.9213131	53.19846341
WT-22-370	-	-	-	-	-	-	-	-	-124.9173363	53.19573486
WT-22-371A	-	-	-	-	-	-	-	-	-124.887329	53.19808444
WT-22-371B	-	-	-	-	-	-	-	-	-124.8917983	53.19731011
WT-22-372	-	-	-	-	-	-	-	-	-124.88817	53.2065382
WT-22-373	High (3)	Low (1)	Low (1)	Low (1)	High (3)	High (3)	Functioning (4)	Low (1)	-124.8782466	53.20563124
WT-22-374	-	-	-	-	-	-	-	-	-124.8956371	53.21203065
WT-22-375	-	-	-	-	-	-	-	-	-124.8943396	53.21027545
WT-22-376	-	-	-	-	-	-	-	-	-124.8909725	53.23213339
WT-22-377	-	-	-	-	-	-	-	-	-124.8870934	53.23133774
WT-22-378A	-	-	-	-	-	-	-	-	-124.8954108	53.23232615
WT-22-378B	-	-	-	-	-	-	-	-	-124.8976339	53.23296523
WT-22-379	-	-	-	-	-	-	-	-	-124.8706941	53.22162718
WT-22-380	-	-	-	-	-	-	-	-	-124.8692031	53.22192244
WT-22-381	-	-	-	-	-	-	-	-	-124.8717306	53.22343086
WT-22-382	-	-	-	-	-	-	-	-	-124.8735632	53.22526633
WT-22-383	-	-	-	-	-	-	-	-	-124.8710851	53.22527966
WT-22-384	-	-	-	-	-	-	-	-	-124.883059	53.2301588
WT-22-385	-	-	-	-	-	-	-	-	-124.9198143	53.18382968
WT-22-386	-	-	-	-	-	-	-	-	-124.9199652	53.18187479
WT-22-387	-	-	-	-	-	-	-	-	-124.9110518	53.18655501
WT-22-388	-	-	-	-	-	-	-	-	-124.9135209	53.18575308
WT-22-389	-	-	-	-	-	-	-	-	-124.9087539	53.18459485
WT-22-390A	High (3)	High (3)	Low (1)	Low (1)	High (3)	High (3)	Functioning (4)	Low (1)	-124.901041	53.18077732
WT-22-390B	-	-	-	-	-	-	-	-	-124.8978232	53.18051461
WT-22-391	High (3)	High (3)	Moderate (2)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8888637	53.17105052
WT-22-392	-	-	-	-	-	-	-	-	-124.8833698	53.18239278

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-395	Mine Site	SOW	Ww	-	-	0.03	30	0.8	Averaged	-	-	-	-
WT-22-397A	Mine Site	Marsh	Wm01	-	-	0.47	29	13.52	Averaged	-	-	-	-
WT-22-397B	Mine Site	Bog	Wb08	-	-	0.09	27	2.51	Averaged	-	-	-	-
WT-22-398A	Mine Site	Bog	Wb08	-	-	0.62	27	16.85	Averaged	-	-	-	-
WT-22-398B	Mine Site	Bog	Wb05	full	-	0.1	27	2.72	Averaged	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-399A	Mine Site	Marsh	Wm01	-	-	0.22	29	6.26	Averaged	-	-	-	-
WT-22-399B	Mine Site	Fen	Wf06	full	-	0.05	28	1.28	Averaged	Moderate (2)	High (3)	High (3)	Moderate (2)
WT-22-399C	Mine Site	Fen	Wf06	-	-	0.07	28	2.1	Averaged	-	-	-	-
WT-22-400	Mine Site	Fen	Wf03	-	-	0.05	28	1.37	Averaged	-	-	-	-
WT-22-401	Outside Y23 Footprint	Marsh	Wm01	-	-	0.09	29	2.72	Averaged	-	-	-	-
WT-22-402A	Outside Y23 Footprint	Bog	Wb08	-	-	0.09	27	2.56	Averaged	-	-	-	-
WT-22-402B	Outside Y23 Footprint	SOW	Ww	-	-	0.04	30	1.23	Averaged	-	-	-	-
WT-22-404	Mine Site	Bog	Wb08	-	-	0.38	27	10.39	Averaged	-	-	-	-
WT-22-405	Mine Site	Fen	Wf03	full	WT-22-405	0.56	30	16.92	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-406	Mine Site	Bog	Wb08	-	-	2.23	27	60.14	Averaged	-	-	-	-
WT-22-408	Mine Site	Bog	Wb05	-	-	0.63	27	17.08	Averaged	-	-	-	-
WT-22-412	Outside Y23 Footprint	Bog	Wb08	-	-	0.47	27	12.59	Averaged	-	-	-	-
WT-22-413	Outside Y23 Footprint	Fen	Wf02	-	-	1.26	28	35.29	Averaged	-	-	-	-
WT-22-414	Mine Site	Swamp	Ws07	-	-	2.32	26	60.26	Averaged	-	-	-	-
WT-22-415	Outside Y23 Footprint	Bog	Wb05	-	-	0.23	27	6.31	Averaged	-	-	-	-
WT-22-416	Mine Site	Swamp	Ws07	-	-	2.53	26	65.77	Averaged	-	-	-	-
WT-22-417	Mine Site	Swamp	Ws04	full	WT-22-417	0.4	27	10.85	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-418	Mine Site	Swamp	Ws07	-	-	5.13	26	133.33	Averaged	-	-	-	-
WT-22-419	Mine Site	Swamp	Ws07	-	-	0.56	26	14.55	Averaged	-	-	-	-
WT-22-420	Mine Site	Swamp	Ws07	-	-	1.87	26	48.54	Averaged	-	-	-	-
WT-22-421	Mine Site	Bog	Wb08	-	-	1.36	27	36.59	Averaged	-	-	-	-
WT-22-422	Outside Y23 Footprint	SOW	Ww	-	-	0.82	30	24.63	Averaged	-	-	-	-
WT-22-423	Outside Y23 Footprint	Marsh	Wm01	-	-	0.28	29	8.04	Averaged	-	-	-	-
WT-22-424	Mine Site	Swamp	Ws07	-	-	1.58	26	41.1	Averaged	-	-	-	-
WT-22-425A	Outside Y23 Footprint	SOW	Ww	-	-	0.15	30	4.53	Averaged	-	-	-	-
WT-22-425B	Outside Y23 Footprint	SOW	Ww	-	-	0.3	30	8.87	Averaged	-	-	-	-
WT-22-427	Outside Y23 Footprint	Bog	Wb10	-	-	2.75	27	74.19	Averaged	-	-	-	-
WT-22-428	Mine Site	Swamp	Ws07	-	-	1.11	26	28.96	Averaged	-	-	-	-
WT-22-429A	Outside Y23 Footprint	Bog	Wb05	-	-	0.12	27	3.14	Averaged	-	-	-	-
WT-22-429B	Outside Y23 Footprint	Fen	Wf06	-	-	0.05	28	1.47	Averaged	-	-	-	-
WT-22-432	Mine Site	Swamp	Ws07	-	-	0.16	26	4.12	Averaged	-	-	-	-
WT-22-433	Mine Site	Fen	Wf01	-	-	0.43	28	12.01	Averaged	-	-	-	-
WT-22-435	Outside Y23 Footprint	Marsh	Wm01	-	-	0.18	29	5.25	Averaged	-	-	-	-
WT-22-436	Mine Site	Marsh	Wm01	full	WT-22-436	0.28	30	8.53	Calculated	High (3)	High (3)	High (3)	Moderate (2)
WT-22-438	Mine Site	Marsh	Wm01	-	-	0.22	29	6.38	Averaged	-	-	-	-
WT-22-439	Outside Y23 Footprint	SOW	Ww	-	-	0.23	30	7.01	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-395	-	-	-	-	-	-	-	-	-124.864958	53.19750635
WT-22-397A	-	-	-	-	-	-	-	-	-124.8520033	53.19842291
WT-22-397B	-	-	-	-	-	-	-	-	-124.8512513	53.19811142
WT-22-398A	-	-	-	-	-	-	-	-	-124.8343095	53.20759717
WT-22-398B	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	-	High (3)	-124.8349498	53.20737912
WT-22-399A	-	-	-	-	-	-	-	-	-124.8525193	53.20287591
WT-22-399B	High (3)	Low (1)	Moderate (2)	Low (1)	High (3)	Low (1)	-	High (3)	-124.8517246	53.20278551
WT-22-399C	-	-	-	-	-	-	-	-	-124.8531778	53.20286581
WT-22-400	-	-	-	-	-	-	-	-	-124.8907147	53.1861597
WT-22-401	-	-	-	-	-	-	-	-	-124.9126126	53.18754851
WT-22-402A	-	-	-	-	-	-	-	-	-124.9159114	53.18518312
WT-22-402B	-	-	-	-	-	-	-	-	-124.915967	53.18547088
WT-22-404	-	-	-	-	-	-	-	-	-124.8685848	53.20202981
WT-22-405	High (3)	High (3)	Low (1)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8675778	53.20220603
WT-22-406	-	-	-	-	-	-	-	-	-124.8658253	53.20426591
WT-22-408	-	-	-	-	-	-	-	-	-124.9025107	53.19220236
WT-22-412	-	-	-	-	-	-	-	-	-124.8550167	53.18030456
WT-22-413	-	-	-	-	-	-	-	-	-124.8514292	53.18068692
WT-22-414	-	-	-	-	-	-	-	-	-124.8730369	53.2019261
WT-22-415	-	-	-	-	-	-	-	-	-124.8311038	53.22290677
WT-22-416	-	-	-	-	-	-	-	-	-124.8649283	53.20849024
WT-22-417	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.855806	53.21454432
WT-22-418	-	-	-	-	-	-	-	-	-124.8281235	53.21310459
WT-22-419	-	-	-	-	-	-	-	-	-124.8316016	53.21546848
WT-22-420	-	-	-	-	-	-	-	-	-124.8305092	53.21907274
WT-22-421	-	-	-	-	-	-	-	-	-124.8304551	53.21683755
WT-22-422	-	-	-	-	-	-	-	-	-124.8427412	53.21531119
WT-22-423	-	-	-	-	-	-	-	-	-124.8408485	53.21570001
WT-22-424	-	-	-	-	-	-	-	-	-124.8303589	53.20654112
WT-22-425A	-	-	-	-	-	-	-	-	-124.8274169	53.20536593
WT-22-425B	-	-	-	-	-	-	-	-	-124.8276092	53.2055784
WT-22-427	-	-	-	-	-	-	-	-	-124.8362585	53.20987775
WT-22-428	-	-	-	-	-	-	-	-	-124.8457541	53.21183715
WT-22-429A	-	-	-	-	-	-	-	-	-124.8427432	53.21749488
WT-22-429B	-	-	-	-	-	-	-	-	-124.842915	53.21755628
WT-22-432	-	-	-	-	-	-	-	-	-124.8475936	53.22151543
WT-22-433	-	-	-	-	-	-	-	-	-124.8383633	53.22552561
WT-22-435	-	-	-	-	-	-	-	-	-124.8381137	53.22616618
WT-22-436	High (3)	Low (1)	High (3)	High (3)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.8516231	53.22289546
WT-22-438	-	-	-	-	-	-	-	-	-124.8532476	53.22171607
WT-22-439	-	-	-	-	-	-	-	-	-124.9245171	53.18429873

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-440	Mine Site	Marsh	Wm01	-	-	0.26	29	7.54	Averaged	-	-	-	-
WT-22-441	Mine Site	Marsh	Wm01	-	-	0.05	29	1.59	Averaged	-	-	-	-
WT-22-442	Mine Site	SOW	Ww	-	-	0.06	30	1.74	Averaged	-	-	-	-
WT-22-443	Mine Site	Bog	Wb10	full	WT-22-443	0.58	26	15	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-449	Mine Site	SOW	Ww	full	WT-22-449	0.1	30	3.14	Calculated	High (3)	High (3)	High (3)	Moderate (2)
WT-22-450	Outside Y23 Footprint	Swamp	Ws08	-	-	2	26	51.92	Averaged	-	-	-	-
WT-22-451A	Outside Y23 Footprint	Fen	Wf11	-	-	2.16	28	60.54	Averaged	-	-	-	-
WT-22-451B	Outside Y23 Footprint	Bog	Wb05	-	-	0.35	27	9.43	Averaged	-	-	-	-
WT-22-451C	Mine Site	Fen	Wf02	-	-	0.84	28	23.51	Averaged	-	-	-	-
WT-22-452	Outside Y23 Footprint	Swamp	Ws08	-	-	0.29	26	7.47	Averaged	-	-	-	-
WT-22-453	Mine Site	Swamp	Ws08	full	WT-22-453	0.37	27	9.87	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-454	Outside Y23 Footprint	Bog	Wb05	-	-	0.59	27	15.87	Averaged	-	-	-	-
WT-22-456	Mine Site	Swamp	Ws08	-	-	1.26	26	32.85	Averaged	-	-	-	-
WT-22-457	Outside Y23 Footprint	Swamp	Ws08	-	-	0.41	26	10.61	Averaged	-	-	-	-
WT-22-459	Mine Site	SOW	Ww	-	-	0.05	30	1.59	Averaged	-	-	-	-
WT-22-460	Outside Y23 Footprint	Swamp	Ws08	-	-	1.32	26	34.32	Averaged	-	-	-	-
WT-22-461	Outside Y23 Footprint	Bog	Wb05	-	-	0.18	27	4.98	Averaged	-	-	-	-
WT-22-462	Outside Y23 Footprint	Fen	Wf03	-	-	0.04	28	1.18	Averaged	-	-	-	-
WT-22-463	Outside Y23 Footprint	Bog	Wb08	-	-	0.27	27	7.25	Averaged	-	-	-	-
WT-22-464	Outside Y23 Footprint	Swamp	Ws07	-	-	0.65	26	16.84	Averaged	-	-	-	-
WT-22-465	Mine Site	Swamp	Ws07	full	WT-22-465	9.05	27	244.43	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-468	Outside Y23 Footprint	Fen	Wf01	-	-	0.44	28	12.22	Averaged	-	-	-	-
WT-22-469	Outside Y23 Footprint	Swamp	Ws08	-	-	1.3	26	33.82	Averaged	-	-	-	-
WT-22-470	Outside Y23 Footprint	SOW	Ww	-	-	0.08	30	2.54	Averaged	-	-	-	-
WT-22-471	Outside Y23 Footprint	Bog	Wb05	-	-	0.46	27	12.45	Averaged	-	-	-	-
WT-22-472	Outside Y23 Footprint	Fen	Wf02	-	-	0.25	28	6.94	Averaged	-	-	-	-
WT-22-474	Outside Y23 Footprint	Bog	Wb05	-	-	0.08	27	2.17	Averaged	-	-	-	-
WT-22-475A	Outside Y23 Footprint	Fen	Wf03	-	-	0.29	28	8.01	Averaged	-	-	-	-
WT-22-475B	Outside Y23 Footprint	Fen	Wf08	-	-	0.2	28	5.55	Averaged	-	-	-	-
WT-22-476	Outside Y23 Footprint	Fen	Wf03	-	-	0.36	28	10.06	Averaged	-	-	-	-
WT-22-477	Outside Y23 Footprint	Bog	Wb05	-	-	0.23	27	6.22	Averaged	-	-	-	-
WT-22-478	Outside Y23 Footprint	Bog	Wb05	-	-	0.51	27	13.77	Averaged	-	-	-	-
WT-22-480A	Mine Site	Fen	Wf08	full	WT-22-480	0.72	29	20.98	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-480B	Mine Site	Bog	Wb05	-	-	0.09	27	2.46	Averaged	-	-	-	-
WT-22-481	Mine Site	Fen	Wf02	full	WT-22-481	0.77	28	21.49	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-482A	Outside Y23 Footprint	Swamp	Ws08	-	-	0.17	26	4.51	Averaged	-	-	-	-
WT-22-482B	Outside Y23 Footprint	Swamp	Ws08	-	-	0.17	26	4.31	Averaged	-	-	-	-
WT-22-482C	Outside Y23 Footprint	Marsh	Wm01	-	-	0.07	29	2.04	Averaged	-	-	-	-
WT-22-486A	Outside Y23 Footprint	Bog	Wb05	-	-	0.16	27	4.44	Averaged	-	-	-	-
WT-22-486B	Outside Y23 Footprint	SOW	Ww	-	-	0.02	30	0.58	Averaged	-	-	-	-
WT-22-487	Outside Y23 Footprint	Bog	Wb05	-	-	0.76	27	20.46	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-440	-	-	-	-	-	-	-	-	-124.8627507	53.21894012
WT-22-441	-	-	-	-	-	-	-	-	-124.86601	53.21843628
WT-22-442	-	-	-	-	-	-	-	-	-124.8672378	53.21843553
WT-22-443	High (3)	Low (1)	Low (1)	Low (1)	High (3)	High (3)	Functioning (4)	Low (1)	-124.8813233	53.2132602
WT-22-449	High (3)	Low (1)	High (3)	High (3)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.847099	53.19534507
WT-22-450	-	-	-	-	-	-	-	-	-124.8539117	53.18993352
WT-22-451A	-	-	-	-	-	-	-	-	-124.863676	53.18661359
WT-22-451B	-	-	-	-	-	-	-	-	-124.8613057	53.18690731
WT-22-451C	-	-	-	-	-	-	-	-	-124.8663104	53.18692884
WT-22-452	-	-	-	-	-	-	-	-	-124.8628275	53.18716759
WT-22-453	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8564573	53.18309208
WT-22-454	-	-	-	-	-	-	-	-	-124.9192812	53.19480461
WT-22-456	-	-	-	-	-	-	-	-	-124.8815332	53.22801628
WT-22-457	-	-	-	-	-	-	-	-	-124.8835864	53.23119172
WT-22-459	-	-	-	-	-	-	-	-	-124.8666565	53.22098873
WT-22-460	-	-	-	-	-	-	-	-	-124.9040426	53.21718536
WT-22-461	-	-	-	-	-	-	-	-	-124.91531	53.18515013
WT-22-462	-	-	-	-	-	-	-	-	-124.9147553	53.18590551
WT-22-463	-	-	-	-	-	-	-	-	-124.844573	53.22824013
WT-22-464	-	-	-	-	-	-	-	-	-124.860487	53.23566719
WT-22-465	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8510628	53.21696642
WT-22-468	-	-	-	-	-	-	-	-	-124.8402934	53.16598537
WT-22-469	-	-	-	-	-	-	-	-	-124.8284667	53.18747415
WT-22-470	-	-	-	-	-	-	-	-	-124.8402434	53.16923631
WT-22-471	-	-	-	-	-	-	-	-	-124.9189381	53.18219399
WT-22-472	-	-	-	-	-	-	-	-	-124.9218742	53.19872026
WT-22-474	-	-	-	-	-	-	-	-	-124.9206469	53.1825556
WT-22-475A	-	-	-	-	-	-	-	-	-124.9193337	53.18341671
WT-22-475B	-	-	-	-	-	-	-	-	-124.9196754	53.18322341
WT-22-476	-	-	-	-	-	-	-	-	-124.8921243	53.18166471
WT-22-477	-	-	-	-	-	-	-	-	-124.8884465	53.17960993
WT-22-478	-	-	-	-	-	-	-	-	-124.8887296	53.1804963
WT-22-480A	High (3)	High (3)	Low (1)	Low (1)	High (3)	High (3)	At Risk (3)	High (3)	-124.8703489	53.22474309
WT-22-480B	-	-	-	-	-	-	-	-	-124.869885	53.22512949
WT-22-481	High (3)	High (3)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8719463	53.22489506
WT-22-482A	-	-	-	-	-	-	-	-	-124.9260011	53.18205025
WT-22-482B	-	-	-	-	-	-	-	-	-124.9252019	53.18351798
WT-22-482C	-	-	-	-	-	-	-	-	-124.925362	53.18279313
WT-22-486A	-	-	-	-	-	-	-	-	-124.9226549	53.18293963
WT-22-486B	-	-	-	-	-	-	-	-	-124.9224094	53.1832071
WT-22-487	-	-	-	-	-	-	-	-	-124.9214277	53.18175902

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-488	Outside Y23 Footprint	Bog	Wb05	-	-	0.19	27	5.19	Averaged	-	-	-	-
WT-22-490	Outside Y23 Footprint	Fen	Wf01	-	-	0.18	28	5.06	Averaged	-	-	-	-
WT-22-491	Outside Y23 Footprint	Bog	Wb05	-	-	0.71	27	19.06	Averaged	-	-	-	-
WT-22-492	Outside Y23 Footprint	Bog	Wb05	-	-	0.49	27	13.15	Averaged	-	-	-	-
WT-22-493	Outside Y23 Footprint	Bog	Wb05	-	-	0.28	27	7.61	Averaged	-	-	-	-
WT-22-494	Mine Site	Bog	Wb08	-	-	0.11	27	3.09	Averaged	-	-	-	-
WT-22-497	Mine Site	Bog	Wb13	full	WT-22-497	0.15	26	3.86	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-498	Outside Y23 Footprint	Marsh	Wm01	-	-	0.3	29	8.61	Averaged	-	-	-	-
WT-22-499	Outside Y23 Footprint	Fen	Wf01	-	-	0.32	28	9.07	Averaged	-	-	-	-
WT-22-500	Outside Y23 Footprint	Fen	Wf01	-	-	0.03	28	0.71	Averaged	-	-	-	-
WT-22-501A	Outside Y23 Footprint	SOW	Ww	-	-	0.03	30	0.97	Averaged	-	-	-	-
WT-22-501B	Outside Y23 Footprint	Fen	Wf01	-	-	0.04	28	1.18	Averaged	-	-	-	-
WT-22-505	Mine Site	Bog	Wb05	-	-	0.15	27	4.01	Averaged	-	-	-	-
WT-22-506	Mine Site	Swamp	Ws08	full	WT-22-403	1.66	26	43.17	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-509	Mine Site	Swamp	Ws04	-	-	0.51	26	13.34	Averaged	-	-	-	-
WT-22-510A	Mine Site	Swamp	Ws07	full	WT-22-510A	1.16	29	33.56	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-510B	Mine Site	Swamp	Ws07	-	-	0.23	26	5.85	Averaged	-	-	-	-
WT-22-511	Mine Site	Bog	Wb05	-	-	1.13	27	30.6	Averaged	-	-	-	-
WT-22-512	Mine Site	Fen	Wf02	-	-	0.47	28	13.3	Averaged	-	-	-	-
WT-22-513	Mine Site	Bog	Wb05	-	-	0.11	27	3.09	Averaged	-	-	-	-
WT-22-514	Mine Site	Fen	Wf01	-	-	0.37	28	10.25	Averaged	-	-	-	-
WT-22-515	Mine Site	Bog	Wb05	-	-	0.61	27	16.36	Averaged	-	-	-	-
WT-22-516	Mine Site	Fen	Wf01	-	-	0.02	28	0.49	Averaged	-	-	-	-
WT-22-517	Mine Site	Fen	Wf01	-	-	0.05	28	1.49	Averaged	-	-	-	-
WT-22-518	Mine Site	Bog	Wb13	full	WT-22-518	0.09	29	2.55	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-519	Mine Site	SOW	Ww	-	-	0.13	30	3.88	Averaged	-	-	-	-
WT-22-520	Mine Site	Bog	Wb05	-	-	0.11	27	3.05	Averaged	-	-	-	-
WT-22-521	Mine Site	Bog	Wb05	-	-	0.21	27	5.54	Averaged	-	-	-	-
WT-22-522	Mine Site	Fen	Wf01	-	-	0.05	28	1.37	Averaged	-	-	-	-
WT-22-523	Mine Site	Bog	Wb05	-	-	0.17	27	4.7	Averaged	-	-	-	-
WT-22-524	Mine Site	Bog	Wb08	-	-	0.13	27	3.58	Averaged	-	-	-	-
WT-22-525	Outside Y23 Footprint	Marsh	Wm01	-	-	0.1	29	2.77	Averaged	-	-	-	-
WT-22-526	Outside Y23 Footprint	SOW	Ww	-	-	0.06	30	1.71	Averaged	-	-	-	-
WT-22-527	Outside Y23 Footprint	Bog	Wb05	-	-	0.49	27	13.24	Averaged	-	-	-	-
WT-22-528	Mine Site	Bog	Wb08	-	-	0.1	27	2.81	Averaged	-	-	-	-
WT-22-529A	Mine Site	Bog	Wb05	-	-	0.28	27	7.44	Averaged	-	-	-	-
WT-22-529B	Mine Site	SOW	Ww	-	-	0.03	30	0.88	Averaged	-	-	-	-
WT-22-531	Mine Site	Fen	Wf01	-	-	0.07	28	1.95	Averaged	-	-	-	-
WT-22-533	Mine Site	Swamp	Ws07	-	-	1.1	26	28.52	Averaged	-	-	-	-
WT-22-534	Mine Site	Swamp	Ws07	-	-	1.21	26	31.38	Averaged	-	-	-	-
WT-22-535	Mine Site	Fen	Wf04	full	-	0.53	28	14.96	Averaged	Moderate (2)	High (3)	High (3)	Low (1)

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-488	-	-	-	-	-	-	-	-	-124.9234015	53.18117095
WT-22-490	-	-	-	-	-	-	-	-	-124.8609265	53.1865305
WT-22-491	-	-	-	-	-	-	-	-	-124.8602855	53.18655784
WT-22-492	-	-	-	-	-	-	-	-	-124.857331	53.18724102
WT-22-493	-	-	-	-	-	-	-	-	-124.8556491	53.1880396
WT-22-494	-	-	-	-	-	-	-	-	-124.8672169	53.19768432
WT-22-497	High (3)	Low (1)	Low (1)	Low (1)	High (3)	High (3)	Functioning (4)	Low (1)	-124.8657412	53.19799384
WT-22-498	-	-	-	-	-	-	-	-	-124.9192397	53.18660346
WT-22-499	-	-	-	-	-	-	-	-	-124.9210621	53.18555143
WT-22-500	-	-	-	-	-	-	-	-	-124.9217638	53.18479952
WT-22-501A	-	-	-	-	-	-	-	-	-124.9219518	53.18386636
WT-22-501B	-	-	-	-	-	-	-	-	-124.9221347	53.18387179
WT-22-505	-	-	-	-	-	-	-	-	-124.9063465	53.19368881
WT-22-506	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.9040601	53.19405764
WT-22-509	-	-	-	-	-	-	-	-	-124.8779868	53.22641247
WT-22-510A	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8759564	53.22595016
WT-22-510B	-	-	-	-	-	-	-	-	-124.8743531	53.22547883
WT-22-511	-	-	-	-	-	-	-	-	-124.8730064	53.22454604
WT-22-512	-	-	-	-	-	-	-	-	-124.8741302	53.22458706
WT-22-513	-	-	-	-	-	-	-	-	-124.874597	53.22459717
WT-22-514	-	-	-	-	-	-	-	-	-124.8709994	53.22450124
WT-22-515	-	-	-	-	-	-	-	-	-124.8700286	53.22416635
WT-22-516	-	-	-	-	-	-	-	-	-124.8664375	53.22202447
WT-22-517	-	-	-	-	-	-	-	-	-124.8659309	53.22212054
WT-22-518	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	High (3)	Functioning (4)	High (3)	-124.8579345	53.22254744
WT-22-519	-	-	-	-	-	-	-	-	-124.8564404	53.22273297
WT-22-520	-	-	-	-	-	-	-	-	-124.8584047	53.22252879
WT-22-521	-	-	-	-	-	-	-	-	-124.8558091	53.22324359
WT-22-522	-	-	-	-	-	-	-	-	-124.8548468	53.22426533
WT-22-523	-	-	-	-	-	-	-	-	-124.8584339	53.22372339
WT-22-524	-	-	-	-	-	-	-	-	-124.8515575	53.22039768
WT-22-525	-	-	-	-	-	-	-	-	-124.840437	53.22343525
WT-22-526	-	-	-	-	-	-	-	-	-124.8380256	53.22616918
WT-22-527	-	-	-	-	-	-	-	-	-124.8382903	53.22514523
WT-22-528	-	-	-	-	-	-	-	-	-124.8388697	53.22565435
WT-22-529A	-	-	-	-	-	-	-	-	-124.8381032	53.22347217
WT-22-529B	-	-	-	-	-	-	-	-	-124.8381158	53.22311631
WT-22-531	-	-	-	-	-	-	-	-	-124.8513743	53.21636517
WT-22-533	-	-	-	-	-	-	-	-	-124.8388703	53.20947235
WT-22-534	-	-	-	-	-	-	-	-	-124.8423786	53.20979416
WT-22-535	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	-	High (3)	-124.8419867	53.20943475

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-537	Mine Site	Bog	Wb08	-	-	2.31	27	62.34	Averaged	-	-	-	-
WT-22-538	Mine Site	Bog	Wb05	-	-	0.84	27	22.73	Averaged	-	-	-	-
WT-22-540A	Outside Y23 Footprint	Marsh	Wm01	-	-	0.04	29	1.3	Averaged	-	-	-	-
WT-22-540B	Outside Y23 Footprint	SOW	Ww	-	-	0.02	30	0.65	Averaged	-	-	-	-
WT-22-541	Outside Y23 Footprint	Fen	Wf02	-	-	0.04	28	1.23	Averaged	-	-	-	-
WT-22-542	Outside Y23 Footprint	Fen	Wf03	-	-	0.18	28	5.13	Averaged	-	-	-	-
WT-22-544	Mine Site	Bog	Wb05	-	-	0.44	27	11.76	Averaged	-	-	-	-
WT-22-546	Outside Y23 Footprint	Swamp	Ws08	-	-	0.24	26	6.26	Averaged	-	-	-	-
WT-22-547	Outside Y23 Footprint	Fen	Wf03	-	-	0.3	28	8.48	Averaged	-	-	-	-
WT-22-549	Outside Y23 Footprint	Bog	Wb05	-	-	0.07	27	1.78	Averaged	-	-	-	-
WT-22-551	Outside Y23 Footprint	Fen	Wf03	-	-	0.19	28	5.38	Averaged	-	-	-	-
WT-22-552	Outside Y23 Footprint	Bog	Wb08	-	-	0.52	27	14.15	Averaged	-	-	-	-
WT-22-558	Mine Site	Bog	Wb05	-	-	0.11	27	2.89	Averaged	-	-	-	-
WT-22-559	Mine Site	Bog	Wb08	full	WT-22-559	0.7	26	18.29	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-561	Mine Site	Bog	Wb08	-	-	0.21	27	5.66	Averaged	-	-	-	-
WT-22-569A	Mine Site	Swamp	Ws08	full	-	0.39	26	10.1	Averaged	Moderate (2)	-	High (3)	Low (1)
WT-22-569B	Mine Site	Bog	Wb05	-	-	0.2	27	5.43	Averaged	-	-	-	-
WT-22-570	Mine Site	Fen	Wf02	full	WT-22-570A	0.13	28	3.52	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-574	Mine Site	Swamp	Ws08	-	-	0.45	26	11.74	Averaged	-	-	-	-
WT-22-576	Outside Y23 Footprint	Fen	Wf01	-	-	0.12	28	3.41	Averaged	-	-	-	-
WT-22-580	Outside Y23 Footprint	Bog	Wb08	-	-	0.14	27	3.82	Averaged	-	-	-	-
WT-22-581	Outside Y23 Footprint	Fen	Wf03	-	-	0.14	28	3.97	Averaged	-	-	-	-
WT-22-582	Outside Y23 Footprint	Fen	Wf03	-	-	0.05	28	1.27	Averaged	-	-	-	-
WT-22-584	Outside Y23 Footprint	Bog	Wb08	-	-	1.6	27	43.26	Averaged	-	-	-	-
WT-22-585	Outside Y23 Footprint	Swamp	Ws08	-	-	1.22	26	31.82	Averaged	-	-	-	-
WT-22-586	Outside Y23 Footprint	Fen	Wf01	-	-	0.13	28	3.52	Averaged	-	-	-	-
WT-22-587A	Outside Y23 Footprint	Bog	Wb08	-	-	1.03	27	27.76	Averaged	-	-	-	-
WT-22-587B	Outside Y23 Footprint	Swamp	Ws08	-	-	0.42	26	10.98	Averaged	-	-	-	-
WT-22-588	Outside Y23 Footprint	Bog	Wb08	-	-	0.48	27	12.9	Averaged	-	-	-	-
WT-22-592A	Outside Y23 Footprint	Bog	Wb05	-	-	0.36	27	9.84	Averaged	-	-	-	-
WT-22-592B	Outside Y23 Footprint	Fen	Wf13	-	-	0.11	28	3.16	Averaged	-	-	-	-
WT-22-594	Mine Site	Swamp	Ws08	full	WT-22-594	0.8	25	19.96	Calculated	Low (1)	High (3)	High (3)	Low (1)
WT-22-595	Outside Y23 Footprint	Bog	Wb05	full	WT-22-595	0.38	28	10.69	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-596	Outside Y23 Footprint	Fen	Wf07	-	-	0.62	28	17.34	Averaged	-	-	-	-
WT-22-597	Outside Y23 Footprint	Fen	Wf03	-	-	0.11	28	3.21	Averaged	-	-	-	-
WT-22-598	Outside Y23 Footprint	Bog	Wb08	-	-	0.28	27	7.67	Averaged	-	-	-	-
WT-22-599	Outside Y23 Footprint	Bog	Wb05	-	-	0.54	27	14.62	Averaged	-	-	-	-
WT-22-600	Outside Y23 Footprint	Bog	Wb05	-	-	0.73	27	19.83	Averaged	-	-	-	-
WT-22-605	Outside Y23 Footprint	Bog	Wb05	-	-	0.14	27	3.76	Averaged	-	-	-	-
WT-22-606	Outside Y23 Footprint	Fen	Wf03	-	-	0.16	28	4.48	Averaged	-	-	-	-
WT-22-608	Outside Y23 Footprint	Fen	Wf03	-	-	0.51	28	14.25	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-537	-	-	-	-	-	-	-	-	-124.8273583	53.21397784
WT-22-538	-	-	-	-	-	-	-	-	-124.8299366	53.21616049
WT-22-540A	-	-	-	-	-	-	-	-	-124.843812	53.21744845
WT-22-540B	-	-	-	-	-	-	-	-	-124.843737	53.21742684
WT-22-541	-	-	-	-	-	-	-	-	-124.8403564	53.21919114
WT-22-542	-	-	-	-	-	-	-	-	-124.9156819	53.19765899
WT-22-544	-	-	-	-	-	-	-	-	-124.9157196	53.19787962
WT-22-546	-	-	-	-	-	-	-	-	-124.9196233	53.19803271
WT-22-547	-	-	-	-	-	-	-	-	-124.9239255	53.19863597
WT-22-549	-	-	-	-	-	-	-	-	-124.9226836	53.19884001
WT-22-551	-	-	-	-	-	-	-	-	-124.9221711	53.19605781
WT-22-552	-	-	-	-	-	-	-	-	-124.9216675	53.19624998
WT-22-558	-	-	-	-	-	-	-	-	-124.8822351	53.21445211
WT-22-559	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8813112	53.21430924
WT-22-561	-	-	-	-	-	-	-	-	-124.8778993	53.21504609
WT-22-569A	High (3)	Moderate (2)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.9110481	53.1990346
WT-22-569B	-	-	-	-	-	-	-	-	-124.9127476	53.19902256
WT-22-570	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.9124595	53.19895666
WT-22-574	-	-	-	-	-	-	-	-	-124.9132311	53.18967131
WT-22-576	-	-	-	-	-	-	-	-	-124.9135776	53.18583335
WT-22-580	-	-	-	-	-	-	-	-	-124.9220625	53.18187501
WT-22-581	-	-	-	-	-	-	-	-	-124.9209326	53.18276172
WT-22-582	-	-	-	-	-	-	-	-	-124.9228181	53.18311599
WT-22-584	-	-	-	-	-	-	-	-	-124.8247493	53.19283036
WT-22-585	-	-	-	-	-	-	-	-	-124.8376601	53.17998854
WT-22-586	-	-	-	-	-	-	-	-	-124.8439328	53.17912784
WT-22-587A	-	-	-	-	-	-	-	-	-124.841629	53.17895177
WT-22-587B	-	-	-	-	-	-	-	-	-124.8394505	53.17881602
WT-22-588	-	-	-	-	-	-	-	-	-124.8502347	53.17903155
WT-22-592A	-	-	-	-	-	-	-	-	-124.847684	53.17537375
WT-22-592B	-	-	-	-	-	-	-	-	-124.8472803	53.17527019
WT-22-594	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.859672	53.17846249
WT-22-595	High (3)	High (3)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8902159	53.1821958
WT-22-596	-	-	-	-	-	-	-	-	-124.8916083	53.18153277
WT-22-597	-	-	-	-	-	-	-	-	-124.8934528	53.1808511
WT-22-598	-	-	-	-	-	-	-	-	-124.8927208	53.18076751
WT-22-599	-	-	-	-	-	-	-	-	-124.8893121	53.18207424
WT-22-600	-	-	-	-	-	-	-	-	-124.8915863	53.18126914
WT-22-605	-	-	-	-	-	-	-	-	-124.8900918	53.17975619
WT-22-606	-	-	-	-	-	-	-	-	-124.8906557	53.17978009
WT-22-608	-	-	-	-	-	-	-	-	-124.8891501	53.18011458

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-609	Outside Y23 Footprint	Fen	Wf03	-	-	0.06	28	1.8	Averaged	-	-	-	-
WT-22-610	Outside Y23 Footprint	Fen	Wf03	-	-	0.17	28	4.63	Averaged	-	-	-	-
WT-22-615	Outside Y23 Footprint	Fen	Wf03	-	-	0.15	28	4.18	Averaged	-	-	-	-
WT-22-616	Outside Y23 Footprint	Bog	Wb08	-	-	0.51	27	13.82	Averaged	-	-	-	-
WT-22-617	Outside Y23 Footprint	Bog	Wb08	-	-	1.53	27	41.28	Averaged	-	-	-	-
WT-22-618	Mine Site	Swamp	Ws08	full	-	0.57	26	14.92	Averaged	Low (1)	High (3)	High (3)	Low (1)
WT-22-619A	Mine Site	Swamp	Ws08	full	WT-22-621C	0.44	24	10.56	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-619B	Mine Site	Bog	Wb08	full	WT-22-619	0.27	25	6.77	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-620	Mine Site	Bog	Wb05	full	WT-22-620	0.22	24	5.35	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-622	Mine Site	Bog	Wb08	-	-	4.53	27	122.26	Averaged	-	-	-	-
WT-22-623A	Mine Site	Fen	Wf04	full	WT-22-623	0.13	26	3.29	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-623B	Mine Site	Fen	Wf02	-	-	0.18	28	5.15	Averaged	-	-	-	-
WT-22-623C	Mine Site	Bog	Wb05	-	-	0.08	27	2.19	Averaged	-	-	-	-
WT-22-623D	Mine Site	Bog	Wb05	-	-	0.17	27	4.6	Averaged	-	-	-	-
WT-22-624	Mine Site	Bog	Wb08	full	WT-22-624	0.15	27	4.06	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-625	Mine Site	Fen	Wf02	-	-	0.22	28	6.12	Averaged	-	-	-	-
WT-22-626	Mine Site	Bog	Wb05	-	-	0.23	27	6.3	Averaged	-	-	-	-
WT-22-627	Mine Site	Bog	Wb05	full	WT-22-627	0.12	27	3.36	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-628	Mine Site	SOW	Ww	-	-	0.08	30	2.29	Averaged	-	-	-	-
WT-22-629	Outside Y23 Footprint	Fen	Wf13	full	WT-22-629	0.09	28	2.64	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-631	Mine Site	Bog	Wb08	-	-	0.38	27	10.22	Averaged	-	-	-	-
WT-22-632	Mine Site	Bog	Wb05	full	WT-22-633	0.28	27	7.66	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-635	Mine Site	Swamp	Ws08	full	WT-22-635	1.11	25	27.72	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-636	Mine Site	Fen	Wf02	full	WT-22-636	0.24	25	5.94	Calculated	Moderate (2)	Low (1)	High (3)	Low (1)
WT-22-638	Mine Site	Bog	Wb05	full	WT-22-638	1.43	27	38.67	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-639A	Mine Site	Fen	Wf02	-	-	0.1	28	2.86	Averaged	-	-	-	-
WT-22-639B	Mine Site	Bog	Wb08	full	WT-22-639	0.36	26	9.32	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-641	Mine Site	Marsh	Wm01	-	-	0.46	29	13.29	Averaged	-	-	-	-
WT-22-642	Mine Site	Swamp	Ws07	-	-	1.85	26	48.15	Averaged	-	-	-	-
WT-22-643	Mine Site	Swamp	Ws07	-	-	0.57	26	14.75	Averaged	-	-	-	-
WT-22-644	Mine Site	Swamp	Ws07	-	-	1.19	26	31.07	Averaged	-	-	-	-
WT-22-645	Mine Site	Swamp	Ws04	-	-	1.18	26	30.69	Averaged	-	-	-	-
WT-22-650	Mine Site	Marsh	Wm01	-	-	0.32	29	9.35	Averaged	-	-	-	-
WT-22-652	Mine Site	Fen	Wf04	full	WT-22-652	0.36	26	9.28	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-655	Mine Site	Swamp	Ws04	-	-	0.23	26	5.91	Averaged	-	-	-	-
WT-22-657	Mine Site	Swamp	Ws08	-	-	0.45	26	11.76	Averaged	-	-	-	-
WT-22-658	Outside Y23 Footprint	Bog	Wb08	-	-	0.54	27	14.47	Averaged	-	-	-	-
WT-22-659	Outside Y23 Footprint	Bog	Wb05	-	-	0.54	27	14.66	Averaged	-	-	-	-
WT-22-660	Mine Site	Bog	Wb08	full	WT-22-660	1.09	27	29.37	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-661	Mine Site	Swamp	Ws04	full	WT-22-661	0.08	29	2.42	Calculated	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-662A	Mine Site	Marsh	Wm01	-	-	0.33	29	9.66	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-609	-	-	-	-	-	-	-	-	-124.8886839	53.17955469
WT-22-610	-	-	-	-	-	-	-	-	-124.8878101	53.17957168
WT-22-615	-	-	-	-	-	-	-	-	-124.8968761	53.18081074
WT-22-616	-	-	-	-	-	-	-	-	-124.8980082	53.18073137
WT-22-617	-	-	-	-	-	-	-	-	-124.8949952	53.18067667
WT-22-618	High (3)	Low (1)	High (3)	Low (1)	High (3)	High (3)	-	High (3)	-124.8977638	53.17960107
WT-22-619A	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8837664	53.18096554
WT-22-619B	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8830288	53.18091434
WT-22-620	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.8846161	53.18431187
WT-22-622	-	-	-	-	-	-	-	-	-124.8878699	53.18146661
WT-22-623A	High (3)	Low (1)	Moderate (2)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8783267	53.18019663
WT-22-623B	-	-	-	-	-	-	-	-	-124.8784238	53.17989787
WT-22-623C	-	-	-	-	-	-	-	-	-124.8777115	53.18007783
WT-22-623D	-	-	-	-	-	-	-	-	-124.8789129	53.1798109
WT-22-624	High (3)	High (3)	Low (1)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8773837	53.18058136
WT-22-625	-	-	-	-	-	-	-	-	-124.8813347	53.18218674
WT-22-626	-	-	-	-	-	-	-	-	-124.8812858	53.18696036
WT-22-627	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8811999	53.18686685
WT-22-628	-	-	-	-	-	-	-	-	-124.8804774	53.18769557
WT-22-629	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	High (3)	Functioning (4)	Low (1)	-124.8791239	53.18915042
WT-22-631	-	-	-	-	-	-	-	-	-124.8805596	53.1886492
WT-22-632	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8817369	53.18849153
WT-22-635	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.8773734	53.18626653
WT-22-636	High (3)	Low (1)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.865458	53.20397611
WT-22-638	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.86683	53.20331057
WT-22-639A	-	-	-	-	-	-	-	-	-124.8652251	53.20489811
WT-22-639B	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8654449	53.20481944
WT-22-641	-	-	-	-	-	-	-	-	-124.8686036	53.20654069
WT-22-642	-	-	-	-	-	-	-	-	-124.8707705	53.20509349
WT-22-643	-	-	-	-	-	-	-	-	-124.8660564	53.20640256
WT-22-644	-	-	-	-	-	-	-	-	-124.8579051	53.21310349
WT-22-645	-	-	-	-	-	-	-	-	-124.8615379	53.21100968
WT-22-650	-	-	-	-	-	-	-	-	-124.8795765	53.19955087
WT-22-652	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.8848223	53.19927152
WT-22-655	-	-	-	-	-	-	-	-	-124.8944494	53.19736233
WT-22-657	-	-	-	-	-	-	-	-	-124.8907511	53.19673012
WT-22-658	-	-	-	-	-	-	-	-	-124.8506672	53.18007921
WT-22-659	-	-	-	-	-	-	-	-	-124.8496247	53.18068112
WT-22-660	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.839948	53.21536534
WT-22-661	High (3)	High (3)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8452641	53.20762878
WT-22-662A	-	-	-	-	-	-	-	-	-124.8557236	53.1963347

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-662B	Mine Site	Swamp	Ws07	full	-	1.07	26	27.72	Averaged	Moderate (2)	High (3)	Low (1)	Moderate (2)
WT-22-663	Mine Site	Swamp	Ws08	-	-	2.13	26	55.33	Averaged	-	-	-	-
WT-22-664A	Mine Site	Bog	Wb08	-	-	2.41	27	65.11	Averaged	-	-	-	-
WT-22-664B	Outside Y23 Footprint	Fen	Wf02	-	-	0.26	28	7.39	Averaged	-	-	-	-
WT-22-664C	Outside Y23 Footprint	Swamp	Ws08	-	-	1.13	26	29.31	Averaged	-	-	-	-
WT-22-665A	Outside Y23 Footprint	Marsh	Wm01	-	-	0.05	29	1.44	Averaged	-	-	-	-
WT-22-665B	Outside Y23 Footprint	SOW	Ww	-	-	0.02	30	0.55	Averaged	-	-	-	-
WT-22-669	Mine Site	Bog	Wb05	full	WT-22-669	0.25	25	6.3	Calculated	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-670	Mine Site	Bog	Wb05	-	-	0.33	27	9	Averaged	-	-	-	-
WT-22-671	Mine Site	Bog	Wb05	-	-	0.26	27	6.99	Averaged	-	-	-	-
WT-22-672	Outside Y23 Footprint	Fen	Wf04	-	-	0.22	28	6.26	Averaged	-	-	-	-
WT-22-673	Mine Site	Marsh	Wm00	full	WT-22-673	0.07	28	1.83	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-674A	Outside Y23 Footprint	Swamp	Ws07	-	-	0.48	26	12.44	Averaged	-	-	-	-
WT-22-674B	Outside Y23 Footprint	Marsh	Wm01	-	-	0.06	29	1.62	Averaged	-	-	-	-
WT-22-676	Mine Site	Marsh	Wm01	-	-	0.05	29	1.47	Averaged	-	-	-	-
WT-22-677	Outside Y23 Footprint	Marsh	Wm01	-	-	0.04	29	1.14	Averaged	-	-	-	-
WT-22-687	Mine Site	Fen	Wf03	full	WT-22-687	0.12	28	3.33	Calculated	Moderate (2)	High (3)	High (3)	Low (1)
WT-22-700	Transmission Line	Swamp	Ws00	-	-	0.13	26	3.32	Averaged	-	-	-	-
WT-22-701	Transmission Line	Swamp	Ws07	-	-	0.13	26	3.36	Averaged	-	-	-	-
WT-22-702	Outside Y23 Footprint	Swamp	Ws00	-	-	0.53	26	13.74	Averaged	-	-	-	-
WT-22-703	Outside Y23 Footprint	Swamp	Ws00	-	-	0.36	26	9.3	Averaged	-	-	-	-
WT-22-704	Outside Y23 Footprint	Bog	Wb11	-	-	10.03	27	270.89	Averaged	-	-	-	-
WT-22-705	Outside Y23 Footprint	Fen	Wf02	-	-	0.9	28	25.29	Averaged	-	-	-	-
WT-22-706	Outside Y23 Footprint	Bog	Wb08	-	-	21.61	27	583.42	Averaged	-	-	-	-
WT-22-707	Outside Y23 Footprint	Marsh	Wm01	-	-	0.16	29	4.52	Averaged	-	-	-	-
WT-22-708	Outside Y23 Footprint	SOW	Ww	-	-	0.11	30	3.37	Averaged	-	-	-	-
WT-22-709	Outside Y23 Footprint	SOW	Ww	-	-	3.06	30	91.92	Averaged	-	-	-	-
WT-22-710	Outside Y23 Footprint	Fen	Wf01	-	-	3.02	28	84.59	Averaged	-	-	-	-
WT-22-711	Outside Y23 Footprint	Bog	Wb05	-	-	3.77	27	101.72	Averaged	-	-	-	-
WT-22-712	Outside Y23 Footprint	SOW	Ww	-	-	2.05	30	61.5	Averaged	-	-	-	-
WT-22-713	Outside Y23 Footprint	SOW	Ww	-	-	2.18	30	65.45	Averaged	-	-	-	-
WT-22-714	Mine Access Road	Swamp	Ws07	-	-	0.84	26	21.89	Averaged	-	-	-	-
WT-22-715	Mine Site	SOW	Ww	-	-	0.24	30	7.33	Averaged	-	-	-	-
WT-22-716	Mine Site	SOW	Ww	-	-	0.16	30	4.81	Averaged	-	-	-	-
WT-22-717	Mine Site	Bog	Wb08	-	-	9.45	27	255.02	Averaged	-	-	-	-
WT-22-718	Outside Y23 Footprint	Bog	Wb08	-	-	1.45	27	39.18	Averaged	-	-	-	-
WT-22-719	Outside Y23 Footprint	Swamp	Ws07	-	-	6.81	26	177.18	Averaged	-	-	-	-
WT-22-720	Outside Y23 Footprint	Fen	Wf01	-	-	0.19	28	5.37	Averaged	-	-	-	-
WT-22-721	Outside Y23 Footprint	Bog	Wb08	-	-	0.26	27	6.91	Averaged	-	-	-	-
WT-22-722	Outside Y23 Footprint	SOW	Ww	-	-	0.43	30	12.8	Averaged	-	-	-	-
WT-22-724	Outside Y23 Footprint	Bog	Wb08	-	-	0.12	27	3.19	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-662B	High (3)	Moderate (2)	High (3)	Low (1)	High (3)	High (3)	-	High (3)	-124.8538639	53.19736668
WT-22-663	-	-	-	-	-	-	-	-	-124.8256657	53.19905783
WT-22-664A	-	-	-	-	-	-	-	-	-124.8276706	53.19713491
WT-22-664B	-	-	-	-	-	-	-	-	-124.8238926	53.19740125
WT-22-664C	-	-	-	-	-	-	-	-	-124.8265304	53.19656935
WT-22-665A	-	-	-	-	-	-	-	-	-124.8342911	53.20692883
WT-22-665B	-	-	-	-	-	-	-	-	-124.8342752	53.20694784
WT-22-669	High (3)	Moderate (2)	Low (1)	Low (1)	High (3)	Low (1)	Functioning (4)	Low (1)	-124.8501204	53.20247194
WT-22-670	-	-	-	-	-	-	-	-	-124.8776798	53.21867853
WT-22-671	-	-	-	-	-	-	-	-	-124.8753415	53.22060936
WT-22-672	-	-	-	-	-	-	-	-	-124.8639776	53.18703237
WT-22-673	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8558133	53.18330297
WT-22-674A	-	-	-	-	-	-	-	-	-124.841676	53.21618683
WT-22-674B	-	-	-	-	-	-	-	-	-124.8426794	53.2155829
WT-22-676	-	-	-	-	-	-	-	-	-124.8710582	53.21473798
WT-22-677	-	-	-	-	-	-	-	-	-124.9202098	53.18365607
WT-22-687	High (3)	Moderate (2)	Moderate (2)	Low (1)	High (3)	Low (1)	Functioning (4)	High (3)	-124.8700579	53.20076189
WT-22-700	-	-	-	-	-	-	-	-	-125.0118736	54.07453912
WT-22-701	-	-	-	-	-	-	-	-	-124.8651113	53.97010651
WT-22-702	-	-	-	-	-	-	-	-	-125.0034624	54.07037815
WT-22-703	-	-	-	-	-	-	-	-	-125.0035493	54.07215496
WT-22-704	-	-	-	-	-	-	-	-	-124.8069778	53.26946959
WT-22-705	-	-	-	-	-	-	-	-	-124.8248704	53.28124452
WT-22-706	-	-	-	-	-	-	-	-	-124.8254946	53.26441649
WT-22-707	-	-	-	-	-	-	-	-	-124.8566196	53.26590628
WT-22-708	-	-	-	-	-	-	-	-	-124.8541165	53.26538904
WT-22-709	-	-	-	-	-	-	-	-	-124.8164486	53.24733255
WT-22-710	-	-	-	-	-	-	-	-	-124.8161201	53.24711677
WT-22-711	-	-	-	-	-	-	-	-	-124.8188878	53.24067433
WT-22-712	-	-	-	-	-	-	-	-	-124.8206518	53.2408111
WT-22-713	-	-	-	-	-	-	-	-	-124.8166279	53.24060911
WT-22-714	-	-	-	-	-	-	-	-	-124.8140151	53.24091237
WT-22-715	-	-	-	-	-	-	-	-	-124.8210078	53.23379343
WT-22-716	-	-	-	-	-	-	-	-	-124.826044	53.23095729
WT-22-717	-	-	-	-	-	-	-	-	-124.8331522	53.23370475
WT-22-718	-	-	-	-	-	-	-	-	-124.8385013	53.23210985
WT-22-719	-	-	-	-	-	-	-	-	-124.8428522	53.23125143
WT-22-720	-	-	-	-	-	-	-	-	-124.8137979	53.20736596
WT-22-721	-	-	-	-	-	-	-	-	-124.9362923	53.17841897
WT-22-722	-	-	-	-	-	-	-	-	-124.9310718	53.17929073
WT-22-724	-	-	-	-	-	-	-	-	-124.8137226	53.20670134

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-725	Outside Y23 Footprint	Bog	Wb01	-	-	2.17	27	58.49	Averaged	-	-	-	-
WT-22-726	Outside Y23 Footprint	Swamp	Ws07	-	-	3.65	26	94.92	Averaged	-	-	-	-
WT-22-727	Outside Y23 Footprint	Swamp	Ws04	-	-	2.27	26	58.94	Averaged	-	-	-	-
WT-22-728	Outside Y23 Footprint	Swamp	Ws04	-	-	1.64	26	42.56	Averaged	-	-	-	-
WT-22-729	Outside Y23 Footprint	Swamp	Ws04	-	-	2.73	26	70.89	Averaged	-	-	-	-
WT-22-730	Outside Y23 Footprint	Swamp	Ws04	-	-	0.08	26	2.03	Averaged	-	-	-	-
WT-22-731-DR-22-55	Outside Y23 Footprint	SOW	Ww	-	-	0.36	30	10.94	Averaged	-	-	-	-
WT-22-731A	Outside Y23 Footprint	Swamp	Ws05	-	-	22.85	26	594.16	Averaged	-	-	-	-
WT-22-731B	Outside Y23 Footprint	Swamp	Ws05	-	-	2.55	26	66.25	Averaged	-	-	-	-
WT-22-732	Outside Y23 Footprint	Bog	Wb08	-	-	0.46	27	12.51	Averaged	-	-	-	-
WT-22-733	Outside Y23 Footprint	Bog	Wb08	-	-	1.26	27	33.9	Averaged	-	-	-	-
WT-22-734	Mine Site	Swamp	Ws08	full	WT-22-455	0.2	24	4.79	Calculated	Moderate (2)	Low (1)	Low (1)	Moderate (2)
WT-22-735	Mine Site	Bog	Wb08	-	-	0.58	27	15.62	Averaged	-	-	-	-
WT-22-736	Mine Site	Swamp	Ws08	-	-	0.17	26	4.29	Averaged	-	-	-	-
WT-22-737	Mine Site	Swamp	Ws08	full	-	0.95	26	24.59	Averaged	Low (1)	High (3)	High (3)	Low (1)
WT-22-738	Outside Y23 Footprint	Marsh	Wm01	-	-	0.54	29	15.75	Averaged	-	-	-	-
WT-22-739	Outside Y23 Footprint	Swamp	Ws04	-	-	0.07	26	1.74	Averaged	-	-	-	-
WT-22-740	Outside Y23 Footprint	Bog	Wb08	-	-	2.68	27	72.41	Averaged	-	-	-	-
WT-22-741	Outside Y23 Footprint	Swamp	Ws04	-	-	0.81	26	21.03	Averaged	-	-	-	-
WT-22-742	Outside Y23 Footprint	Bog	Wb05	-	-	157.31	27	4247.29	Averaged	-	-	-	-
WT-22-742-DR-22-17	Outside Y23 Footprint	Swamp	Ws04	-	-	3.42	26	88.9	Averaged	-	-	-	-
WT-22-742-DR-22-18	Outside Y23 Footprint	Swamp	Ws07	-	-	0.36	26	9.27	Averaged	-	-	-	-
WT-22-742-DR-22-19	Outside Y23 Footprint	Bog	Wb08	-	-	0.31	27	8.24	Averaged	-	-	-	-
WT-22-743	Outside Y23 Footprint	Swamp	Ws04	-	-	2.33	26	60.7	Averaged	-	-	-	-
WT-22-744	Outside Y23 Footprint	Swamp	Ws04	-	-	2.57	26	66.81	Averaged	-	-	-	-
WT-22-745	Outside Y23 Footprint	Swamp	Ws04	-	-	0.54	26	14.12	Averaged	-	-	-	-
WT-22-746	Outside Y23 Footprint	Swamp	Ws04	-	-	0.14	26	3.72	Averaged	-	-	-	-
WT-22-747	Outside Y23 Footprint	Swamp	Ws04	-	-	0.54	26	14.05	Averaged	-	-	-	-
WT-22-748	Outside Y23 Footprint	Swamp	Ws07	-	-	0.39	26	10.27	Averaged	-	-	-	-
WT-22-749	Outside Y23 Footprint	Swamp	Ws07	-	-	1.95	26	50.83	Averaged	-	-	-	-
WT-22-750	Outside Y23 Footprint	Swamp	Ws02	-	-	3.12	26	81.19	Averaged	-	-	-	-
WT-22-751	Outside Y23 Footprint	Swamp	Ws07	-	-	0.08	26	2.04	Averaged	-	-	-	-
WT-22-752	Outside Y23 Footprint	Fen	Wf01	-	-	0.11	28	3.03	Averaged	-	-	-	-
WT-22-753	Transmission Line	Swamp	Ws07	-	-	0.13	26	3.49	Averaged	-	-	-	-
WT-22-754	Outside Y23 Footprint	Swamp	Ws07	-	-	0.11	26	2.76	Averaged	-	-	-	-
WT-22-755	Transmission Line	Swamp	Ws07	-	-	0.29	26	7.47	Averaged	-	-	-	-
WT-22-756	Outside Y23 Footprint	Swamp	Ws07	-	-	3.08	26	80.14	Averaged	-	-	-	-
WT-22-757	Transmission Line	Swamp	Ws07	-	-	5.49	26	142.63	Averaged	-	-	-	-
WT-22-758	Transmission Line	Swamp	Ws07	-	-	1.42	26	36.83	Averaged	-	-	-	-
WT-22-759	Outside Y23 Footprint	Swamp	Ws04	-	-	0.48	26	12.52	Averaged	-	-	-	-
WT-22-760	Outside Y23 Footprint	Fen	Wf02	full	-	1.25	28	34.87	Averaged	Moderate (2)	High (3)	High (3)	Low (1)

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-725	-	-	-	-	-	-	-	-	-124.7882987	53.30295001
WT-22-726	-	-	-	-	-	-	-	-	-124.7907316	53.3021011
WT-22-727	-	-	-	-	-	-	-	-	-124.7794668	53.33261211
WT-22-728	-	-	-	-	-	-	-	-	-124.7766979	53.3327557
WT-22-729	-	-	-	-	-	-	-	-	-124.7742388	53.33214758
WT-22-730	-	-	-	-	-	-	-	-	-124.7747387	53.3329016
WT-22-731-DR-22-55	-	-	-	-	-	-	-	-	-124.7770218	53.33636254
WT-22-731A	-	-	-	-	-	-	-	-	-124.7813362	53.33584205
WT-22-731B	-	-	-	-	-	-	-	-	-124.7744593	53.33419664
WT-22-732	-	-	-	-	-	-	-	-	-124.9216165	53.18528339
WT-22-733	-	-	-	-	-	-	-	-	-124.8966008	53.23387419
WT-22-734	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	At Risk (3)	High (3)	-124.8778708	53.18036048
WT-22-735	-	-	-	-	-	-	-	-	-124.8894894	53.19898903
WT-22-736	-	-	-	-	-	-	-	-	-124.8881589	53.19894292
WT-22-737	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	-	Low (1)	-124.8835723	53.19748276
WT-22-738	-	-	-	-	-	-	-	-	-124.7747614	53.33255599
WT-22-739	-	-	-	-	-	-	-	-	-124.775496	53.33279388
WT-22-740	-	-	-	-	-	-	-	-	-124.7807078	53.33062335
WT-22-741	-	-	-	-	-	-	-	-	-124.7797353	53.33156953
WT-22-742	-	-	-	-	-	-	-	-	-124.7639332	53.32539474
WT-22-742-DR-22-17	-	-	-	-	-	-	-	-	-124.7708891	53.33178702
WT-22-742-DR-22-18	-	-	-	-	-	-	-	-	-124.7773202	53.33163548
WT-22-742-DR-22-19	-	-	-	-	-	-	-	-	-124.7808472	53.32893507
WT-22-743	-	-	-	-	-	-	-	-	-124.7681045	53.33159306
WT-22-744	-	-	-	-	-	-	-	-	-124.7598941	53.32920176
WT-22-745	-	-	-	-	-	-	-	-	-124.7565952	53.32736458
WT-22-746	-	-	-	-	-	-	-	-	-124.7542578	53.32666804
WT-22-747	-	-	-	-	-	-	-	-	-124.7393502	53.32087739
WT-22-748	-	-	-	-	-	-	-	-	-124.7444883	53.31992416
WT-22-749	-	-	-	-	-	-	-	-	-124.7486635	53.32308934
WT-22-750	-	-	-	-	-	-	-	-	-124.7394182	53.32370744
WT-22-751	-	-	-	-	-	-	-	-	-124.7391081	53.32227241
WT-22-752	-	-	-	-	-	-	-	-	-124.650665	53.34455209
WT-22-753	-	-	-	-	-	-	-	-	-124.6501439	53.3450045
WT-22-754	-	-	-	-	-	-	-	-	-124.6501302	53.34448098
WT-22-755	-	-	-	-	-	-	-	-	-124.5654001	53.42630054
WT-22-756	-	-	-	-	-	-	-	-	-124.5622718	53.42651849
WT-22-757	-	-	-	-	-	-	-	-	-124.5646666	53.51092755
WT-22-758	-	-	-	-	-	-	-	-	-124.588025	53.53158854
WT-22-759	-	-	-	-	-	-	-	-	-124.5883801	53.53324314
WT-22-760	High (3)	High (3)	Moderate (2)	Low (1)	High (3)	Low (1)	-	High (3)	-124.5833763	53.54185289

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-761	Outside Y23 Footprint	Bog	Wb05	-	-	6.27	27	169.2	Averaged	-	-	-	-
WT-22-762A	Transmission Line	Bog	Wb05	-	-	0.26	27	6.99	Averaged	-	-	-	-
WT-22-762B	Transmission Line	Bog	Wb05	-	-	2.17	27	58.62	Averaged	-	-	-	-
WT-22-762C	Transmission Line	Swamp	Ws07	-	-	0.09	26	2.4	Averaged	-	-	-	-
WT-22-763	Transmission Line	Swamp	Ws07	-	-	2.62	26	68.08	Averaged	-	-	-	-
WT-22-764	Transmission Line	Swamp	Ws07	-	-	0.19	26	5.03	Averaged	-	-	-	-
WT-22-765	Transmission Line	Swamp	Ws07	-	-	1.66	26	43.07	Averaged	-	-	-	-
WT-22-766	Outside Y23 Footprint	Fen	Wf01	-	-	6.35	28	177.93	Averaged	-	-	-	-
WT-22-767	Outside Y23 Footprint	Swamp	Ws07	-	-	0.84	26	21.87	Averaged	-	-	-	-
WT-22-768	Transmission Line	Swamp	Ws07	-	-	1.42	26	36.88	Averaged	-	-	-	-
WT-22-769	Transmission Line	Marsh	Wm01	-	-	0.09	29	2.63	Averaged	-	-	-	-
WT-22-770	Transmission Line	Fen	Wf02	-	-	5.03	28	140.8	Averaged	-	-	-	-
WT-22-771	Transmission Line	Marsh	Wm01	-	-	0.07	29	1.94	Averaged	-	-	-	-
WT-22-772	Transmission Line	Marsh	Wm01	-	-	0.13	29	3.87	Averaged	-	-	-	-
WT-22-773	Outside Y23 Footprint	Marsh	Wm01	-	-	0.19	29	5.56	Averaged	-	-	-	-
WT-22-774	Outside Y23 Footprint	SOW	Ww	-	-	0.6	30	18.01	Averaged	-	-	-	-
WT-22-775	Outside Y23 Footprint	Swamp	Ws00	-	-	0.08	26	2.01	Averaged	-	-	-	-
WT-22-776	Outside Y23 Footprint	SOW	Ww	-	-	0.04	30	1.05	Averaged	-	-	-	-
WT-22-777	Transmission Line	Swamp	Ws07	-	-	0.15	26	3.85	Averaged	-	-	-	-
WT-22-778	Outside Y23 Footprint	Bog	Wb08	-	-	2.46	27	66.36	Averaged	-	-	-	-
WT-22-779	Outside Y23 Footprint	Bog	Wb05	-	-	5.99	27	161.85	Averaged	-	-	-	-
WT-22-780A	Outside Y23 Footprint	Fen	Wf02	-	-	0.51	28	14.22	Averaged	-	-	-	-
WT-22-780B	Outside Y23 Footprint	Swamp	Ws08	-	-	0.34	26	8.82	Averaged	-	-	-	-
WT-22-781	Outside Y23 Footprint	Bog	Wb08	-	-	0.48	27	13.08	Averaged	-	-	-	-
WT-22-782	Outside Y23 Footprint	Bog	Wb08	-	-	0.68	27	18.34	Averaged	-	-	-	-
WT-22-783	Outside Y23 Footprint	Swamp	Ws07	-	-	0.28	26	7.23	Averaged	-	-	-	-
WT-22-784	Mine Site	Swamp	Ws08	-	-	0.1	26	2.51	Averaged	-	-	-	-
WT-22-785	Mine Site	Swamp	Ws08	-	-	0.19	26	4.91	Averaged	-	-	-	-
WT-22-786	Mine Site	Bog	Wb05	-	-	0.36	27	9.61	Averaged	-	-	-	-
WT-22-787	Mine Site	Bog	Wb05	-	-	0.13	27	3.47	Averaged	-	-	-	-
WT-22-788	Transmission Line	Swamp	Ws07	-	-	0.4	26	10.41	Averaged	-	-	-	-
WT-22-789	Mine Site	Swamp	Ws08	-	-	0.14	26	3.53	Averaged	-	-	-	-
WT-22-790	Transmission Line	Swamp	Ws07	-	-	0.14	26	3.76	Averaged	-	-	-	-
WT-22-791	Mine Site	Swamp	Ws08	-	-	0.46	26	11.95	Averaged	-	-	-	-
WT-22-792	Mine Site	Swamp	Ws08	-	-	0.18	26	4.74	Averaged	-	-	-	-
WT-22-793	Mine Site	Swamp	Ws08	-	-	0.83	26	21.61	Averaged	-	-	-	-
WT-22-794	Mine Site	Swamp	Ws08	-	-	0.39	26	10.22	Averaged	-	-	-	-
WT-22-795	Mine Site	Swamp	Ws08	full	-	1.6	26	41.54	Averaged	Low (1)	-	High (3)	Low (1)
WT-22-796	Mine Site	Swamp	Ws08	-	-	0.51	26	13.27	Averaged	-	-	-	-
WT-22-797	Mine Site	Swamp	Ws08	-	-	0.22	26	5.74	Averaged	-	-	-	-
WT-22-798	Outside Y23 Footprint	Swamp	Ws08	-	-	0.62	26	16.03	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-761	-	-	-	-	-	-	-	-	-124.5828212	53.54276814
WT-22-762A	-	-	-	-	-	-	-	-	-124.5857071	53.54067896
WT-22-762B	-	-	-	-	-	-	-	-	-124.5808819	53.54583199
WT-22-762C	-	-	-	-	-	-	-	-	-124.5794644	53.54521138
WT-22-763	-	-	-	-	-	-	-	-	-124.5784255	53.54491933
WT-22-764	-	-	-	-	-	-	-	-	-124.6073379	53.56523076
WT-22-765	-	-	-	-	-	-	-	-	-124.610026	53.56581943
WT-22-766	-	-	-	-	-	-	-	-	-124.7473988	53.62379063
WT-22-767	-	-	-	-	-	-	-	-	-124.7386386	53.62404417
WT-22-768	-	-	-	-	-	-	-	-	-124.7376695	53.62138349
WT-22-769	-	-	-	-	-	-	-	-	-124.7653763	53.63427188
WT-22-770	-	-	-	-	-	-	-	-	-124.7970779	53.64976064
WT-22-771	-	-	-	-	-	-	-	-	-124.848745	53.80671404
WT-22-772	-	-	-	-	-	-	-	-	-124.8483766	53.8097816
WT-22-773	-	-	-	-	-	-	-	-	-124.8427486	53.83112472
WT-22-774	-	-	-	-	-	-	-	-	-124.8447792	53.83538317
WT-22-775	-	-	-	-	-	-	-	-	-124.8277243	53.84547525
WT-22-776	-	-	-	-	-	-	-	-	-124.8274473	53.84539745
WT-22-777	-	-	-	-	-	-	-	-	-124.8066304	53.89872489
WT-22-778	-	-	-	-	-	-	-	-	-124.8371257	53.23314806
WT-22-779	-	-	-	-	-	-	-	-	-124.8358413	53.23195698
WT-22-780A	-	-	-	-	-	-	-	-	-124.8089678	53.24984702
WT-22-780B	-	-	-	-	-	-	-	-	-124.9229006	53.19562158
WT-22-781	-	-	-	-	-	-	-	-	-124.7137687	53.59485144
WT-22-782	-	-	-	-	-	-	-	-	-124.7134765	53.59417863
WT-22-783	-	-	-	-	-	-	-	-	-124.5750539	53.41612481
WT-22-784	-	-	-	-	-	-	-	-	-124.9121609	53.19369288
WT-22-785	-	-	-	-	-	-	-	-	-124.9112298	53.19334417
WT-22-786	-	-	-	-	-	-	-	-	-124.8815842	53.20795701
WT-22-787	-	-	-	-	-	-	-	-	-124.8801194	53.20803737
WT-22-788	-	-	-	-	-	-	-	-	-124.8198729	53.20614107
WT-22-789	-	-	-	-	-	-	-	-	-124.8490881	53.19466504
WT-22-790	-	-	-	-	-	-	-	-	-124.8522154	53.76781937
WT-22-791	-	-	-	-	-	-	-	-	-124.9035176	53.19750061
WT-22-792	-	-	-	-	-	-	-	-	-124.9004652	53.19768824
WT-22-793	-	-	-	-	-	-	-	-	-124.8983902	53.19637251
WT-22-794	-	-	-	-	-	-	-	-	-124.8900882	53.19530713
WT-22-795	High (3)	Low (1)	High (3)	Low (1)	High (3)	Low (1)	-	High (3)	-124.8876629	53.17340935
WT-22-796	-	-	-	-	-	-	-	-	-124.8848989	53.17929959
WT-22-797	-	-	-	-	-	-	-	-	-124.8765197	53.18111802
WT-22-798	-	-	-	-	-	-	-	-	-124.9241895	53.19556422

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-799	Outside Y23 Footprint	Swamp	Ws08	-	-	0.15	26	3.9	Averaged	-	-	-	-
WT-22-801	Mine Site	Swamp	Ws08	-	-	0.32	26	8.32	Averaged	-	-	-	-
WT-22-802	Mine Site	Bog	Wb08	-	-	0.59	27	15.95	Averaged	-	-	-	-
WT-22-803	Mine Site	Swamp	Ws08	-	-	0.87	26	22.7	Averaged	-	-	-	-
WT-22-804	Mine Site	Bog	Wb08	-	-	0.31	27	8.44	Averaged	-	-	-	-
WT-22-805	Mine Site	Fen	Wf01	-	-	0.02	28	0.52	Averaged	-	-	-	-
WT-22-806	Mine Access Road	Fen	Wf01	-	-	0.07	28	1.88	Averaged	-	-	-	-
WT-22-807	Mine Access Road	Swamp	Ws07	-	-	0.66	26	17.22	Averaged	-	-	-	-
WT-22-808	Outside Y23 Footprint	Bog	Wb08	full	-	0.1	27	2.57	Averaged	Low (1)	Low (1)	Low (1)	Low (1)
WT-22-809	Transmission Line	Swamp	Ws07	-	-	0.38	26	9.89	Averaged	-	-	-	-
WT-22-810	Outside Y23 Footprint	Swamp	Ws07	-	-	0.22	26	5.79	Averaged	-	-	-	-
WT-22-811	Outside Y23 Footprint	Swamp	Ws07	-	-	0.47	26	12.29	Averaged	-	-	-	-
WT-22-812	Outside Y23 Footprint	Swamp	Ws07	-	-	0.05	26	1.3	Averaged	-	-	-	-
WT-22-813	Outside Y23 Footprint	Fen	Wf02	-	-	0.15	28	4.29	Averaged	-	-	-	-
WT-22-814	Outside Y23 Footprint	Fen	Wf02	-	-	0.81	28	22.72	Averaged	-	-	-	-
WT-22-815	Outside Y23 Footprint	Swamp	Ws07	-	-	0.49	26	12.72	Averaged	-	-	-	-
WT-22-816	Transmission Line	Swamp	Ws07	-	-	0.34	26	8.97	Averaged	-	-	-	-
WT-22-817	Outside Y23 Footprint	Swamp	Ws07	-	-	0.4	26	10.45	Averaged	-	-	-	-
WT-22-818	Outside Y23 Footprint	Swamp	Ws07	-	-	14.71	26	382.54	Averaged	-	-	-	-
WT-22-819	Outside Y23 Footprint	SOW	Ww	-	-	0.73	30	21.93	Averaged	-	-	-	-
WT-22-820	Outside Y23 Footprint	Bog	Wb05	-	-	8.52	27	230.08	Averaged	-	-	-	-
WT-22-821	Outside Y23 Footprint	Swamp	Ws07	-	-	1.61	26	41.95	Averaged	-	-	-	-
WT-22-822	Outside Y23 Footprint	Bog	Wb05	-	-	10.47	27	282.69	Averaged	-	-	-	-
WT-22-823	Outside Y23 Footprint	Bog	Wb08	-	-	6.65	27	179.57	Averaged	-	-	-	-
WT-22-824	Outside Y23 Footprint	Swamp	Ws07	-	-	2.4	26	62.31	Averaged	-	-	-	-
WT-22-825	Outside Y23 Footprint	Bog	Wb08	-	-	13.61	27	367.47	Averaged	-	-	-	-
WT-22-826	Outside Y23 Footprint	Bog	Wb08	-	-	1.17	27	31.68	Averaged	-	-	-	-
WT-22-827	Outside Y23 Footprint	Bog	Wb08	-	-	3.49	27	94.23	Averaged	-	-	-	-
WT-22-828	Outside Y23 Footprint	Fen	Wf08	-	-	6.17	28	172.83	Averaged	-	-	-	-
WT-22-829	Outside Y23 Footprint	Bog	Wb05	-	-	4.8	27	129.65	Averaged	-	-	-	-
WT-22-830	Outside Y23 Footprint	Swamp	Ws07	-	-	4.28	26	111.21	Averaged	-	-	-	-
WT-22-831	Outside Y23 Footprint	Bog	Wb08	-	-	1.46	27	39.29	Averaged	-	-	-	-
WT-22-832	Outside Y23 Footprint	Swamp	Ws07	-	-	13.65	26	354.93	Averaged	-	-	-	-
WT-22-833	Outside Y23 Footprint	SOW	OW	-	-	2.52	30	75.74	Averaged	-	-	-	-
WT-22-834	Outside Y23 Footprint	SOW	OW	-	-	0.25	30	7.5	Averaged	-	-	-	-
WT-22-835	Outside Y23 Footprint	Bog	Wb05	-	-	2.58	27	69.7	Averaged	-	-	-	-
WT-22-836	Outside Y23 Footprint	Fen	Wf08	-	-	0.96	28	26.95	Averaged	-	-	-	-
WT-22-837	Outside Y23 Footprint	SOW	OW	-	-	1.17	30	34.99	Averaged	-	-	-	-
WT-22-838	Outside Y23 Footprint	SOW	OW	-	-	1.58	30	47.33	Averaged	-	-	-	-
WT-22-839	Outside Y23 Footprint	Swamp	Ws07	-	-	7.08	26	183.97	Averaged	-	-	-	-
WT-22-840	Outside Y23 Footprint	SOW	OW	-	-	1.24	30	37.08	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-799	-	-	-	-	-	-	-	-	-124.9232545	53.19624123
WT-22-801	-	-	-	-	-	-	-	-	-124.9104411	53.19840762
WT-22-802	-	-	-	-	-	-	-	-	-124.8873729	53.19570197
WT-22-803	-	-	-	-	-	-	-	-	-124.8877878	53.19658269
WT-22-804	-	-	-	-	-	-	-	-	-124.8666379	53.19899661
WT-22-805	-	-	-	-	-	-	-	-	-124.8654876	53.22223814
WT-22-806	-	-	-	-	-	-	-	-	-124.8155866	53.25015726
WT-22-807	-	-	-	-	-	-	-	-	-124.8113482	53.24985927
WT-22-808	High (3)	Low (1)	Low (1)	Low (1)	High (3)	Low (1)	-	High (3)	-124.8124079	53.24981598
WT-22-809	-	-	-	-	-	-	-	-	-124.8106501	53.24918969
WT-22-810	-	-	-	-	-	-	-	-	-124.6588892	53.57754961
WT-22-811	-	-	-	-	-	-	-	-	-124.6706196	53.58302912
WT-22-812	-	-	-	-	-	-	-	-	-124.7008096	53.59336281
WT-22-813	-	-	-	-	-	-	-	-	-124.79154	53.64180536
WT-22-814	-	-	-	-	-	-	-	-	-124.7939527	53.64127003
WT-22-815	-	-	-	-	-	-	-	-	-124.8444526	53.73286249
WT-22-816	-	-	-	-	-	-	-	-	-124.8463938	53.75507921
WT-22-817	-	-	-	-	-	-	-	-	-124.8073277	53.22352187
WT-22-818	-	-	-	-	-	-	-	-	-124.8001792	53.23176869
WT-22-819	-	-	-	-	-	-	-	-	-124.7683312	53.22619028
WT-22-820	-	-	-	-	-	-	-	-	-124.7744171	53.2288737
WT-22-821	-	-	-	-	-	-	-	-	-124.7685994	53.23061852
WT-22-822	-	-	-	-	-	-	-	-	-124.7692196	53.23956607
WT-22-823	-	-	-	-	-	-	-	-	-124.7776845	53.240582
WT-22-824	-	-	-	-	-	-	-	-	-124.7787453	53.24271962
WT-22-825	-	-	-	-	-	-	-	-	-124.7846844	53.23368344
WT-22-826	-	-	-	-	-	-	-	-	-124.7666166	53.23728744
WT-22-827	-	-	-	-	-	-	-	-	-124.7700373	53.25054429
WT-22-828	-	-	-	-	-	-	-	-	-124.778943	53.25180809
WT-22-829	-	-	-	-	-	-	-	-	-124.7943406	53.23593281
WT-22-830	-	-	-	-	-	-	-	-	-124.7833431	53.24593169
WT-22-831	-	-	-	-	-	-	-	-	-124.7810424	53.25470587
WT-22-832	-	-	-	-	-	-	-	-	-124.7715748	53.25282613
WT-22-833	-	-	-	-	-	-	-	-	-124.7782047	53.25387716
WT-22-834	-	-	-	-	-	-	-	-	-124.7871019	53.25702562
WT-22-835	-	-	-	-	-	-	-	-	-124.7679874	53.25032593
WT-22-836	-	-	-	-	-	-	-	-	-124.7712125	53.25043459
WT-22-837	-	-	-	-	-	-	-	-	-124.7948552	53.24941861
WT-22-838	-	-	-	-	-	-	-	-	-124.6880939	53.26746097
WT-22-839	-	-	-	-	-	-	-	-	-124.6883568	53.26600201
WT-22-840	-	-	-	-	-	-	-	-	-124.7137279	53.26641328

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	Project Area	Wetland Class	Site Association	Plot Type	Plot ID	Area (ha)	Baseline Function Score	Baseline Functional Area	Function Score Certainty	1: Water Flow Moderation	2: Groundwater Recharge	3: Erosion Protection	4: Water Quality Treatment
WT-22-842	Outside Y23 Footprint	Swamp	Ws07	-	-	10.63	26	276.32	Averaged	-	-	-	-
WT-22-843	Outside Y23 Footprint	Fen	Wf01	-	-	4.42	28	123.89	Averaged	-	-	-	-
WT-22-844	Outside Y23 Footprint	Fen	Wf01	-	-	2.85	28	79.9	Averaged	-	-	-	-
WT-22-845	Outside Y23 Footprint	Fen	Wf01	-	-	9.03	28	252.82	Averaged	-	-	-	-
WT-22-846	Outside Y23 Footprint	Swamp	Ws07	-	-	3.58	26	93.02	Averaged	-	-	-	-
WT-22-847	Outside Y23 Footprint	Fen	Wf01	-	-	6.11	28	171.07	Averaged	-	-	-	-
WT-22-848	Outside Y23 Footprint	Fen	Wf01	-	-	3.74	28	104.75	Averaged	-	-	-	-
WT-22-850	Outside Y23 Footprint	Fen	Wf01	-	-	9.34	28	261.47	Averaged	-	-	-	-
WT-22-851	Outside Y23 Footprint	Fen	Wf02	-	-	0.61	28	16.94	Averaged	-	-	-	-
WT-22-852	Outside Y23 Footprint	Bog	Wb05	-	-	0.29	27	7.91	Averaged	-	-	-	-
WT-22-853	Outside Y23 Footprint	SOW	OW	-	-	0.33	30	9.79	Averaged	-	-	-	-
WT-22-854	Outside Y23 Footprint	Bog	Wb08	-	-	7.4	27	199.93	Averaged	-	-	-	-
WT-22-855	Outside Y23 Footprint	Bog	Wb05	-	-	5.04	27	136.11	Averaged	-	-	-	-
WT-22-856	Outside Y23 Footprint	Fen	Wf01	-	-	0.73	28	20.49	Averaged	-	-	-	-
WT-22-857	Outside Y23 Footprint	Marsh	Wm01	-	-	0.41	29	11.87	Averaged	-	-	-	-
WT-22-858	Outside Y23 Footprint	Bog	Wb05	-	-	2.17	27	58.68	Averaged	-	-	-	-
WT-22-859	Outside Y23 Footprint	SOW	OW	-	-	0.64	30	19.3	Averaged	-	-	-	-
WT-22-860	Outside Y23 Footprint	Bog	Wb05	-	-	3.06	27	82.54	Averaged	-	-	-	-
WT-22-861	Outside Y23 Footprint	Bog	Wb05	-	-	0.85	27	22.85	Averaged	-	-	-	-
WT-22-862	Outside Y23 Footprint	Fen	Wf01	-	-	0.35	28	9.78	Averaged	-	-	-	-
WT-22-863	Outside Y23 Footprint	Swamp	Ws07	-	-	1.3	26	33.92	Averaged	-	-	-	-
WT-22-864	Outside Y23 Footprint	Swamp	Ws07	-	-	0.68	26	17.75	Averaged	-	-	-	-
WT-22-865	Outside Y23 Footprint	Swamp	Ws07	-	-	0.67	26	17.35	Averaged	-	-	-	-
WT-22-866	Outside Y23 Footprint	Swamp	Ws07	-	-	1.32	26	34.26	Averaged	-	-	-	-
WT-22-867	Freshwater Supply Pipeline	Swamp	Ws07	-	-	5.9	26	153.52	Averaged	-	-	-	-
WT-22-868	Outside Y23 Footprint	Bog	Wb05	-	-	0.28	27	7.57	Averaged	-	-	-	-
WT-22-869	Outside Y23 Footprint	Bog	Wb08	-	-	0.53	27	14.42	Averaged	-	-	-	-
WT-22-870	Freshwater Supply Pipeline	Bog	Wb08	-	-	3.84	27	103.63	Averaged	-	-	-	-
WT-22-871	Outside Y23 Footprint	SOW	OW	-	-	0.06	30	1.95	Averaged	-	-	-	-
WT-22-872	Outside Y23 Footprint	SOW	OW	-	-	0.47	30	14.22	Averaged	-	-	-	-
WT-22-873	Outside Y23 Footprint	Fen	Wf01	-	-	1.69	28	47.42	Averaged	-	-	-	-
WT-22-874	Freshwater Supply Pipeline	Swamp	Ws07	-	-	2.03	26	52.72	Averaged	-	-	-	-
WT-22-875	Freshwater Supply Pipeline	Swamp	Ws07	-	-	1.26	26	32.85	Averaged	-	-	-	-
WT-22-876	Outside Y23 Footprint	Fen	Wf01	-	-	0.54	28	15.24	Averaged	-	-	-	-
WT-22-877	Freshwater Supply Pipeline	Bog	Wb08	-	-	1.25	27	33.76	Averaged	-	-	-	-
WT-22-878	Outside Y23 Footprint	Fen	Wf01	-	-	0.81	28	22.71	Averaged	-	-	-	-
WT-22-879	Outside Y23 Footprint	Bog	Wb08	-	-	0.29	27	7.77	Averaged	-	-	-	-
WT-22-880	Freshwater Supply Pipeline	Fen	Wf01	-	-	2.74	28	76.78	Averaged	-	-	-	-
WT-22-881	Outside Y23 Footprint	Swamp	Ws07	-	-	1.46	26	38.02	Averaged	-	-	-	-
WT-22-882	Outside Y23 Footprint	Swamp	Ws07	-	-	0.7	26	18.2	Averaged	-	-	-	-

Note: "-" Dashes mean "no data collected".

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-1: Baseline Wetland Function (2022)

Wetland ID	7: Species of Value	5: Carbon Storage	6: Nutrient and Organic Export	8: Wildlife Use	9: Habitat for Wildlife Species-At-Risk	10: Habitat for Ecosystems at Risk	11: Ecosystem Quality	12: Ecosystem Connectivity	Longitude	Latitude
WT-22-842	-	-	-	-	-	-	-	-	-124.7456212	53.25770536
WT-22-843	-	-	-	-	-	-	-	-	-124.7311754	53.26863052
WT-22-844	-	-	-	-	-	-	-	-	-124.7667254	53.25401196
WT-22-845	-	-	-	-	-	-	-	-	-124.716597	53.26171231
WT-22-846	-	-	-	-	-	-	-	-	-124.723686	53.25962957
WT-22-847	-	-	-	-	-	-	-	-	-124.7230178	53.26631135
WT-22-848	-	-	-	-	-	-	-	-	-124.6896453	53.26659987
WT-22-850	-	-	-	-	-	-	-	-	-124.7606777	53.25622079
WT-22-851	-	-	-	-	-	-	-	-	-124.6965881	53.25664971
WT-22-852	-	-	-	-	-	-	-	-	-124.6971074	53.25645686
WT-22-853	-	-	-	-	-	-	-	-	-124.698364	53.26493904
WT-22-854	-	-	-	-	-	-	-	-	-124.7112517	53.26064232
WT-22-855	-	-	-	-	-	-	-	-	-124.7075917	53.26677002
WT-22-856	-	-	-	-	-	-	-	-	-124.7104192	53.26623466
WT-22-857	-	-	-	-	-	-	-	-	-124.7304695	53.25990988
WT-22-858	-	-	-	-	-	-	-	-	-124.7193732	53.26015729
WT-22-859	-	-	-	-	-	-	-	-	-124.7374733	53.26025344
WT-22-860	-	-	-	-	-	-	-	-	-124.7551081	53.26485176
WT-22-861	-	-	-	-	-	-	-	-	-124.7622444	53.25337612
WT-22-862	-	-	-	-	-	-	-	-	-124.6806293	53.25917641
WT-22-863	-	-	-	-	-	-	-	-	-124.6875419	53.2593439
WT-22-864	-	-	-	-	-	-	-	-	-124.6897353	53.26361518
WT-22-865	-	-	-	-	-	-	-	-	-124.7128966	53.26244043
WT-22-866	-	-	-	-	-	-	-	-	-124.7080618	53.26530992
WT-22-867	-	-	-	-	-	-	-	-	-124.7984988	53.23660177
WT-22-868	-	-	-	-	-	-	-	-	-124.7966883	53.23753021
WT-22-869	-	-	-	-	-	-	-	-	-124.7899504	53.24557078
WT-22-870	-	-	-	-	-	-	-	-	-124.7825034	53.2569201
WT-22-871	-	-	-	-	-	-	-	-	-124.7867263	53.25691126
WT-22-872	-	-	-	-	-	-	-	-	-124.7142903	53.26522301
WT-22-873	-	-	-	-	-	-	-	-	-124.7210805	53.26443451
WT-22-874	-	-	-	-	-	-	-	-	-124.7120198	53.26314063
WT-22-875	-	-	-	-	-	-	-	-	-124.6877928	53.26171061
WT-22-876	-	-	-	-	-	-	-	-	-124.7119231	53.26473237
WT-22-877	-	-	-	-	-	-	-	-	-124.7199758	53.26278255
WT-22-878	-	-	-	-	-	-	-	-	-124.762053	53.25740189
WT-22-879	-	-	-	-	-	-	-	-	-124.7097054	53.26230514
WT-22-880	-	-	-	-	-	-	-	-	-124.7152864	53.26349628
WT-22-881	-	-	-	-	-	-	-	-	-124.7100213	53.26450123
WT-22-882	-	-	-	-	-	-	-	-	-124.776576	53.25820582

Note: "-" Dashes mean "no data collected".

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-001A	Swamp	Ws04	Mine Access Road	4.2	26	109.19	0.02	Mine Access Road	0.44	0	1.42	Low Impact
WT-22-001B	Swamp	Ws04	Mine Access Road	2.01	26	52.33	0.03	Mine Access Road	1.42	0	1.42	Low Impact
WT-22-002	Fen	Wf02	Outside Y23 Footprint	7.89	28	220.96	0	-	0	0	0	No Impact
WT-22-003A	Swamp	Ws04	Transmission Line	8.68	26	225.81	0.24	Transmission Line ROW Roads	2.71	0	10.88	Low Impact
WT-22-003B	Swamp	Ws04	Transmission Line	4.57	26	118.71	0.02	Transmission Line ROW Roads	0.42	0	0.42	Low Impact
WT-22-004	Swamp	Ws07	Outside Y23 Footprint	2.66	26	69.19	0	-	0	0	7.17	No Impact
WT-22-005	Fen	Wf01	Outside Y23 Footprint	1.05	28	29.3	0	-	0	0	10.88	No Impact
WT-22-006	Swamp	Ws04	Outside Y23 Footprint	2.21	26	57.56	0	-	0	0	10.88	No Impact
WT-22-007	Swamp	Ws07	Outside Y23 Footprint	2.5	26	64.9	0	-	0	0	4.37	No Impact
WT-22-008A	Swamp	Ws07	Transmission Line	1.92	26	49.84	0.14	Transmission Line Tower	7.17	0	7.17	Low Impact
WT-22-008B	Swamp	Ws07	Outside Y23 Footprint	0.06	26	1.64	0	-	0	0	0.3	No Impact
WT-22-008C	Swamp	Ws07	Outside Y23 Footprint	0.04	26	1.08	0	-	0	0	7.17	No Impact
WT-22-009	Fen	Wf02	Outside Y23 Footprint	2.17	28	60.7	0	-	0	0	0.42	No Impact
WT-22-010	Bog	Wb01	Outside Y23 Footprint	2.22	27	59.99	0	-	0	0	0.42	No Impact
WT-22-011	Fen	Wf08	Transmission Line	5.84	28	163.48	0	Transmission Line ROW Roads	0.07	0	10.88	Low Impact
WT-22-012A	Swamp	Ws04	Outside Y23 Footprint	0.21	26	5.39	0	-	0	0	4.4	No Impact
WT-22-012B	Swamp	Ws07	Transmission Line	0.6	26	15.48	0.03	Transmission Line Tower	4.4	0	4.4	Low Impact
WT-22-012C	Swamp	Ws07	Transmission Line	0.1	26	2.61	0	Transmission Line ROW Roads	4.37	0	4.4	Low Impact
WT-22-014	Swamp	Ws07	Outside Y23 Footprint	3.32	26	86.27	0	-	0	0	0	No Impact
WT-22-015	Swamp	Ws04	Transmission Line	14.59	26	379.24	0.04	Transmission Line Tower	0.3	0	7.17	Low Impact
WT-22-017	Swamp	Ws07	Transmission Line	0.93	26	24.29	0.02	Transmission Line Tower	2.18	0	0	Low Impact
WT-22-018	Swamp	Ws07	Outside Y23 Footprint	9.28	26	241.2	0	-	0	0	0	No Impact
WT-22-021	Swamp	Ws07	Outside Y23 Footprint	1.38	26	35.9	0	-	0	0	0	No Impact
WT-22-023	Fen	Wf01	Transmission Line	0.18	28	5	0.01	Transmission Line Tower	4.13	0	2.24	Low Impact
WT-22-024	Fen	Wf01	Outside Y23 Footprint	0.31	28	8.82	0	-	0	0	3.66	No Impact
WT-22-025A	SOW	Ww	Outside Y23 Footprint	1.95	30	58.59	0	-	0	0	0	No Impact
WT-22-025B	SOW	Ww	Outside Y23 Footprint	0.08	30	2.3	0	-	0	0	0	No Impact
WT-22-026	Bog	Wb08	Outside Y23 Footprint	2.08	27	56.11	0	-	0	0	0	No Impact
WT-22-027	Fen	Wf01	Transmission Line	0.42	26	10.97	0.02	Transmission Line ROW Roads	3.66	0	3.66	Low Impact
WT-22-028A	Fen	Wf01	Outside Y23 Footprint	5.08	28	142.37	0	-	0	0	0	No Impact
WT-22-028B	Fen	Wf02	Outside Y23 Footprint	0.82	28	23.05	0	-	0	0	0	No Impact
WT-22-028C	Fen	Wf02	Outside Y23 Footprint	0.36	28	10.11	0	-	0	0	0	No Impact
WT-22-029	Bog	Wb05	Outside Y23 Footprint	1.25	27	33.74	0	-	0	0	0	No Impact
WT-22-030	Swamp	Ws07	Outside Y23 Footprint	2.22	26	57.72	0	-	0	0	0	No Impact
WT-22-031	Swamp	Ws07	Transmission Line	2.68	26	69.57	0.03	Transmission Line ROW Roads	0.97	0	0	Low Impact
WT-22-033	Swamp	Ws07	Transmission Line	1.99	26	51.76	0.02	Transmission Line ROW Roads	1.11	0	0	Low Impact
WT-22-035	Bog	Wb05	Outside Y23 Footprint	1.06	27	28.51	0	-	0	0	0	No Impact
WT-22-036	Swamp	Ws07	Transmission Line	0.51	26	13.22	0.02	Transmission Line ROW Roads	3.73	0	0	Low Impact
WT-22-037A	Swamp	Ws07	Outside Y23 Footprint	2.87	26	74.61	0	-	0	0	0	No Impact
WT-22-037B	Swamp	Ws07	Outside Y23 Footprint	0.18	26	4.7	0	-	0	0	0	No Impact
WT-22-037C	Swamp	Ws07	Outside Y23 Footprint	0.46	26	11.83	0	-	0	0	0	No Impact
WT-22-039	Swamp	Ws07	Transmission Line	0.29	26	7.48	0.01	Transmission Line ROW Roads	3.35	0	0	Low Impact
WT-22-040	Swamp	Ws07	Outside Y23 Footprint	0.54	26	14.11	0	-	0	0	0	No Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-001A	4.18	0.44	0	0.48	0	0.48	0.44	-124.8227923	53.28799606
WT-22-001B	1.98	1.42	0	0.74	0	0.74	1.42	-124.8171413	53.29019855
WT-22-002	7.89	0	0	0	0	0	0	-124.7862519	53.30487551
WT-22-003A	8.45	2.71	0	6.13	0	6.13	2.71	-124.7574178	53.31568946
WT-22-003B	4.55	0.42	0	0.5	0	0.5	0.42	-124.7611283	53.31702791
WT-22-004	2.66	0	0	0	0	0	0	-124.7527083	53.31610509
WT-22-005	1.05	0	0	0	0	0	0	-124.7571144	53.31397145
WT-22-006	2.21	0	0	0	0	0	0	-124.7577802	53.3148098
WT-22-007	2.5	0	0	0	0	0	0	-124.7486578	53.31571637
WT-22-008A	1.78	7.17	0	3.57	0	3.57	7.17	-124.7543223	53.31686692
WT-22-008B	0.06	0	0	0	0	0	0	-124.7535614	53.318615
WT-22-008C	0.04	0	0	0	0	0	0	-124.7524355	53.31834305
WT-22-009	2.17	0	0	0	0	0	0	-124.7621191	53.31774806
WT-22-010	2.22	0	0	0	0	0	0	-124.7638945	53.31863675
WT-22-011	5.83	0.07	0	0.11	0	0.11	0.07	-124.7565423	53.31865252
WT-22-012A	0.21	0	0	0	0	0	0	-124.7487549	53.32017777
WT-22-012B	0.57	4.4	0	0.68	0	0.68	4.4	-124.7487324	53.32017169
WT-22-012C	0.1	4.37	0	0.11	0	0.11	4.37	-124.7498176	53.31898218
WT-22-014	3.32	0	0	0	0	0	0	-124.729864	53.32337138
WT-22-015	14.54	0.3	0	1.15	0	1.15	0.3	-124.7509418	53.32228928
WT-22-017	0.91	2.18	0	0.53	0	0.53	2.18	-124.7170898	53.32215057
WT-22-018	9.28	0	0	0	0	0	0	-124.6827549	53.32424446
WT-22-021	1.38	0	0	0	0	0	0	-124.6822582	53.33129812
WT-22-023	0.17	4.13	0	0.21	0	0.21	4.13	-124.6490691	53.34487608
WT-22-024	0.31	0	0	0	0	0	0	-124.6540917	53.3559532
WT-22-025A	1.95	0	0	0	0	0	0	-124.6513905	53.35559824
WT-22-025B	0.08	0	0	0	0	0	0	-124.6525984	53.35510618
WT-22-026	2.08	0	0	0	0	0	0	-124.6581812	53.35535453
WT-22-027	0.41	3.66	0	0.4	0	0.4	3.66	-124.6544984	53.35694602
WT-22-028A	5.08	0	0	0	0	0	0	-124.6506573	53.35588993
WT-22-028B	0.82	0	0	0	0	0	0	-124.6469315	53.35736612
WT-22-028C	0.36	0	0	0	0	0	0	-124.647476	53.35635815
WT-22-029	1.25	0	0	0	0	0	0	-124.6510936	53.35718277
WT-22-030	2.22	0	0	0	0	0	0	-124.6502533	53.35808938
WT-22-031	2.65	0.97	0	0.67	0	0.67	0.97	-124.6427037	53.36724702
WT-22-033	1.97	1.11	0	0.57	0	0.57	1.11	-124.5661924	53.42127531
WT-22-035	1.06	0	0	0	0	0	0	-124.5667512	53.42738931
WT-22-036	0.49	3.73	0	0.49	0	0.49	3.73	-124.562401	53.43059149
WT-22-037A	2.87	0	0	0	0	0	0	-124.5592783	53.43431106
WT-22-037B	0.18	0	0	0	0	0	0	-124.5574107	53.43382741
WT-22-037C	0.46	0	0	0	0	0	0	-124.5628796	53.43391522
WT-22-039	0.28	3.35	0	0.25	0	0.25	3.35	-124.5477201	53.43615449
WT-22-040	0.54	0	0	0	0	0	0	-124.5446967	53.43635252

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-042A	Swamp	Ws07	Outside Y23 Footprint	5.69	26	147.99	0	-	0	0	0	No Impact
WT-22-042B	Swamp	Ws07	Outside Y23 Footprint	0.58	26	15.11	0	-	0	0	0	No Impact
WT-22-043	Swamp	Ws07	Outside Y23 Footprint	0.26	26	6.89	0	-	0	0	0	No Impact
WT-22-044	Swamp	Ws07	Transmission Line	2.76	26	71.84	0	Transmission Line Tower	0.03	0	0	Low Impact
WT-22-045	Bog	Wb05	Outside Y23 Footprint	5.11	27	138.01	0	-	0	0	0	No Impact
WT-22-051	Swamp	Ws04	Outside Y23 Footprint	1.02	26	26.51	0	-	0	0	8.29	No Impact
WT-22-052B	Swamp	Ws04	Outside Y23 Footprint	0.4	26	10.3	0	-	0	0	0	No Impact
WT-22-057	Fen	Wf02	Transmission Line	2.07	28	57.83	0.16	Transmission Line Tower	7.51	0	3.89	Low Impact
WT-22-064	Swamp	Ws07	Transmission Line	4.04	26	104.94	0.02	Transmission Line Tower	0.53	0	0	Low Impact
WT-22-065	Swamp	Ws07	Outside Y23 Footprint	0.46	26	12.08	0	-	0	0	0	No Impact
WT-22-066	Swamp	Ws07	Outside Y23 Footprint	0.44	26	11.36	0	-	0	0	0	No Impact
WT-22-067	Bog	Wb01	Outside Y23 Footprint	2.49	27	67.2	0	-	0	0	0	No Impact
WT-22-069	Swamp	Ws07	Outside Y23 Footprint	1.25	22	27.51	0	-	0	0	0	No Impact
WT-22-070	Swamp	Ws07	Outside Y23 Footprint	0.47	26	12.34	0	-	0	0	0	No Impact
WT-22-071	Bog	Wb01	Outside Y23 Footprint	0.8	30	23.91	0	-	0	0	0	No Impact
WT-22-072	Swamp	Ws07	Transmission Line	0.8	26	20.92	0	Transmission Line ROW Roads	0.17	0	0	Low Impact
WT-22-073	Swamp	Ws07	Transmission Line	0.44	26	11.56	0.02	Transmission Line ROW Roads	4.98	0	0	Low Impact
WT-22-076	Swamp	Ws07	Outside Y23 Footprint	1.01	26	26.38	0	-	0	0	0	No Impact
WT-22-079	Swamp	Ws04	Outside Y23 Footprint	0.71	26	18.38	0	-	0	0	0	No Impact
WT-22-080	Marsh	Wm01	Outside Y23 Footprint	1.24	29	35.94	0	-	0	0	0	No Impact
WT-22-081	Fen	Wf01	Outside Y23 Footprint	0.67	28	18.66	0	-	0	0	0	No Impact
WT-22-082	Swamp	Ws07	Outside Y23 Footprint	0.1	26	2.61	0	-	0	0	0	No Impact
WT-22-083	Fen	Wf01	Transmission Line	0.72	28	20.29	0.02	Transmission Line ROW Roads	2.88	0	21.46	Low Impact
WT-22-087	Bog	Wb05	Transmission Line	2.2	27	59.28	0.02	Transmission Line ROW Roads	0.98	0	0	Low Impact
WT-22-090	Swamp	Ws07	Outside Y23 Footprint	0.38	26	9.88	0	-	0	0	0	No Impact
WT-22-092	Swamp	Ws07	Transmission Line	4.56	26	118.66	0.12	Transmission Line Tower	2.67	0	0.6	Low Impact
WT-22-093	Fen	Wf01	Outside Y23 Footprint	1.33	28	37.29	0	-	0	0	0.6	No Impact
WT-22-095	SOW	Ww	Outside Y23 Footprint	0.22	30	6.49	0	-	0	0	0	No Impact
WT-22-098	Fen	Wf01	Outside Y23 Footprint	0.27	28	7.69	0	-	0	0	0	No Impact
WT-22-099	Fen	Wf01	Outside Y23 Footprint	0.07	28	2.04	0	-	0	0	0	No Impact
WT-22-100	Swamp	Ws07	Transmission Line	1.14	26	29.64	0.02	Transmission Line ROW Roads	1.75	0	0	Low Impact
WT-22-101	Swamp	Ws07	Outside Y23 Footprint	1.23	24	29.52	0	-	0	0	0	No Impact
WT-22-102	Swamp	Ws07	Transmission Line	2	26	52.03	0.05	Transmission Line ROW Roads	2.73	0	0	Low Impact
WT-22-103	Fen	Wf01	Outside Y23 Footprint	1.27	28	35.6	0	-	0	0	0	No Impact
WT-22-106	Swamp	Ws07	Outside Y23 Footprint	1.8	26	46.77	0	-	0	0	0	No Impact
WT-22-108	Swamp	Ws07	Transmission Line	5.21	26	135.47	0.03	Transmission Line ROW Roads	0.5	0	0	Low Impact
WT-22-109	Swamp	Ws07	Transmission Line	1.89	26	49.05	0.02	Transmission Line ROW Roads	1.29	0	0	Low Impact
WT-22-110	Swamp	Ws04	Outside Y23 Footprint	2.5	26	65.03	0	-	0	0	0	No Impact
WT-22-111	Fen	Wf01	Outside Y23 Footprint	0.13	28	3.67	0	-	0	0	1.94	No Impact
WT-22-112	Fen	Wf02	Transmission Line	1.25	28	34.89	0.02	Transmission Line ROW Roads	1.94	0	1.94	Low Impact
WT-22-113	Swamp	Ws07	Outside Y23 Footprint	1.36	26	35.43	0	-	0	0	0	No Impact
WT-22-114	Bog	Wb08	Outside Y23 Footprint	3.57	27	96.49	0	-	0	0	0	No Impact
WT-22-117	Swamp	Ws07	Outside Y23 Footprint	1.03	26	26.65	0	-	0	0	0	No Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-042A	5.69	0	0	0	0	0	0	-124.53533	53.44430734
WT-22-042B	0.58	0	0	0	0	0	0	-124.5317718	53.4419664
WT-22-043	0.26	0	0	0	0	0	0	-124.5271629	53.4527813
WT-22-044	2.76	0.03	0	0.02	0	0.02	0.03	-124.5331709	53.4612339
WT-22-045	5.11	0	0	0	0	0	0	-124.5352618	53.47114498
WT-22-051	1.02	0	0	0	0	0	0	-124.5905268	53.53258417
WT-22-052B	0.4	0	0	0	0	0	0	-124.5919219	53.53426374
WT-22-057	1.91	7.51	0	4.34	0	4.34	7.51	-124.570976	53.55629805
WT-22-064	4.01	0.53	0	0.56	0	0.56	0.53	-124.7017912	53.59118235
WT-22-065	0.46	0	0	0	0	0	0	-124.7023086	53.59433399
WT-22-066	0.44	0	0	0	0	0	0	-124.7157283	53.59450118
WT-22-067	2.49	0	0	0	0	0	0	-124.6994565	53.59439293
WT-22-069	1.25	0	0	0	0	0	0	-124.7163448	53.5958451
WT-22-070	0.47	0	0	0	0	0	0	-124.7193437	53.59686442
WT-22-071	0.8	0	0	0	0	0	0	-124.7120839	53.59454407
WT-22-072	0.8	0.17	0	0.04	0	0.04	0.17	-124.7334781	53.61739461
WT-22-073	0.42	4.98	0	0.58	0	0.58	4.98	-124.7346165	53.61825759
WT-22-076	1.01	0	0	0	0	0	0	-124.7448116	53.62477439
WT-22-079	0.71	0	0	0	0	0	0	-124.7508996	53.63107163
WT-22-080	1.24	0	0	0	0	0	0	-124.7489874	53.63178139
WT-22-081	0.67	0	0	0	0	0	0	-124.7578586	53.63306526
WT-22-082	0.1	0	0	0	0	0	0	-124.7595433	53.63378277
WT-22-083	0.7	2.88	0	0.58	0	0.58	2.88	-124.7611556	53.63457785
WT-22-087	2.17	0.98	0	0.58	0	0.58	0.98	-124.7869051	53.63843457
WT-22-090	0.38	0	0	0	0	0	0	-124.7990269	53.65399943
WT-22-092	4.44	2.67	0	3.16	0	3.16	2.67	-124.7997948	53.66572077
WT-22-093	1.33	0	0	0	0	0	0	-124.8012216	53.66982716
WT-22-095	0.22	0	0	0	0	0	0	-124.8292233	53.69893449
WT-22-098	0.27	0	0	0	0	0	0	-124.8379065	53.71392624
WT-22-099	0.07	0	0	0	0	0	0	-124.8374277	53.71511791
WT-22-100	1.12	1.75	0	0.52	0	0.52	1.75	-124.8387787	53.71746076
WT-22-101	1.23	0	0	0	0	0	0	-124.8398874	53.71886223
WT-22-102	1.95	2.73	0	1.42	0	1.42	2.73	-124.8424585	53.72663754
WT-22-103	1.27	0	0	0	0	0	0	-124.841697	53.73297111
WT-22-106	1.8	0	0	0	0	0	0	-124.8469043	53.75186201
WT-22-108	5.18	0.5	0	0.68	0	0.68	0.5	-124.848678	53.76521027
WT-22-109	1.86	1.29	0	0.63	0	0.63	1.29	-124.8538501	53.77305698
WT-22-110	2.5	0	0	0	0	0	0	-124.8579551	53.78463803
WT-22-111	0.13	0	0	0	0	0	0	-124.857947	53.78838677
WT-22-112	1.22	1.94	0	0.68	0	0.68	1.94	-124.8556248	53.7882982
WT-22-113	1.36	0	0	0	0	0	0	-124.8505856	53.79036947
WT-22-114	3.57	0	0	0	0	0	0	-124.8521219	53.8019274
WT-22-117	1.03	0	0	0	0	0	0	-124.8425375	53.8092715

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-119	Swamp	Ws07	Outside Y23 Footprint	0.37	26	9.74	0	-	0	0	0	No Impact
WT-22-121	Swamp	Ws07	Outside Y23 Footprint	1.23	26	32.04	0	-	0	0	0	No Impact
WT-22-128	Marsh	Wm01	Outside Y23 Footprint	2.42	29	70.2	0	-	0	0	0	No Impact
WT-22-129	Swamp	Ws07	Outside Y23 Footprint	1.53	26	39.67	0	-	0	0	0	No Impact
WT-22-130A	SOW	Ww	Outside Y23 Footprint	0.04	30	1.18	0	-	0	0	0	No Impact
WT-22-130B	SOW	Ww	Outside Y23 Footprint	0.04	30	1.16	0	-	0	0	0	No Impact
WT-22-135	Bog	Wb05	Outside Y23 Footprint	1.1	27	29.81	0	-	0	0	0	No Impact
WT-22-136A	Swamp	Ws04	Outside Y23 Footprint	1.36	26	35.43	0	-	0	0	0	No Impact
WT-22-136B	Swamp	Ws07	Outside Y23 Footprint	0.57	26	14.71	0	-	0	0	0	No Impact
WT-22-138	Swamp	Ws07	Outside Y23 Footprint	3.06	26	79.52	0	-	0	0	0	No Impact
WT-22-141	Swamp	Ws07	Outside Y23 Footprint	5.04	26	131.06	0	-	0	0	0	No Impact
WT-22-148	Swamp	Ws08	Outside Y23 Footprint	1.54	22	33.79	0	-	0	0	0	No Impact
WT-22-151	Bog	Wb05	Outside Y23 Footprint	4.96	27	133.8	0	-	0	0	0	No Impact
WT-22-154	Swamp	Ws07	Transmission Line	1.25	26	32.43	0.01	Transmission Line ROW Roads	0.6	0	0.6	Low Impact
WT-22-155	Swamp	Ws07	Transmission Line	0.1	26	2.61	0	Transmission Line Tower	3.74	0	0	Low Impact
WT-22-157	Bog	Wb08	Outside Y23 Footprint	6.22	27	168.05	0	-	0	0	0	No Impact
WT-22-160	Swamp	Ws07	Outside Y23 Footprint	0.5	26	13.1	0	-	0	0	0	No Impact
WT-22-161	Swamp	Ws07	Outside Y23 Footprint	3.1	26	80.65	0	-	0	0	0	No Impact
WT-22-163	Swamp	Ws04	Transmission Line	0.25	22	5.51	0.01	Transmission Line ROW Roads	3.01	0	0	Low Impact
WT-22-167	Swamp	Ws07	Outside Y23 Footprint	3.12	26	81.19	0	-	0	0	0	No Impact
WT-22-168	Swamp	Ws07	Transmission Line	0.34	26	8.73	0	Transmission Line ROW Roads	1.36	0	0	Low Impact
WT-22-176	Swamp	Ws04	Outside Y23 Footprint	2.24	26	58.15	0	-	0	0	0.42	No Impact
WT-22-177	Marsh	Wm01	Outside Y23 Footprint	0.71	29	20.55	0	-	0	0	0	No Impact
WT-22-178	Fen	Wf01	Outside Y23 Footprint	0.87	28	24.29	0	-	0	0	0	No Impact
WT-22-179	Swamp	Ws07	Outside Y23 Footprint	0.47	26	12.31	0	-	0	0	0	No Impact
WT-22-189	Swamp	Ws07	Airstrip Access Road	2.42	26	62.86	0	Airstrip and Airstrip Access Road	0.02	0	0.02	Low Impact
WT-22-190	Bog	Wb08	Transmission Line	2.43	27	65.55	0.02	Transmission Line Tower	0.75	0	36.4	Low Impact
WT-22-192	Swamp	Ws07	Transmission Line	4.53	26	117.86	0.17	Transmission Line Tower	3.75	0	14.44	Low Impact
WT-22-193	Bog	Wb08	Outside Y23 Footprint	2.31	27	62.47	0	-	0	0	1.98	No Impact
WT-22-195	Bog	Wb05	Mine Site	2.73	27	73.64	0.27	Mine Site	9.94	1	18.48	Moderate Impact
WT-22-196	Swamp	Ws07	Mine Access Road	10.15	26	263.8	0.14	Mine Access Road	1.36	0	18.38	Low Impact
WT-22-197	Swamp	Ws07	Outside Y23 Footprint	0.95	26	24.67	0	-	0	0	0	No Impact
WT-22-198	Fen	Wf01	Outside Y23 Footprint	1.67	28	46.71	0	-	0	0	0	No Impact
WT-22-200	Swamp	Ws07	Mine Site	4.3	26	111.82	0.12	Mine Site	2.87	1	18.38	Moderate Impact
WT-22-201	Swamp	Ws08	Mine Site	1.76	26	45.81	1.23	Mine Site	69.88	1	69.88	High Impact
WT-22-202A	Swamp	Ws07	Mine Access Road	12.26	26	318.81	0.04	Mine Access Road	0.34	0	27.2	Low Impact
WT-22-202B	Swamp	Ws08	Mine Site	3.51	29	101.78	0.95	Mine Site	27.2	1	27.2	Moderate Impact
WT-22-203A	Fen	Wf01	Outside Y23 Footprint	0.09	28	2.46	0	-	0	1	0	Moderate Impact
WT-22-203B	SOW	Ww	Outside Y23 Footprint	0.01	30	0.23	0	-	0	1	0	Moderate Impact
WT-22-204	Bog	Wb08	Transmission Line	2.05	29	59.58	0.05	Transmission Line ROW Roads	2.57	1	2.57	Moderate Impact
WT-22-205A	Fen	Wf01	Outside Y23 Footprint	0.27	28	7.52	0	-	0	1	14.44	Moderate Impact
WT-22-205B	SOW	Ww	Outside Y23 Footprint	0.06	30	1.73	0	-	0	1	14.44	Moderate Impact
WT-22-206	Swamp	Ws07	Mine Access Road	21.4	26	556.4	0.23	Mine Site	1.08	0	100	Moderate Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-119	0.37	0	0	0	0	0	0	-124.8444444	53.83096774
WT-22-121	1.23	0	0	0	0	0	0	-124.8435632	53.84221425
WT-22-128	2.42	0	0	0	0	0	0	-124.8089711	53.8948809
WT-22-129	1.53	0	0	0	0	0	0	-124.8021314	53.89786294
WT-22-130A	0.04	0	0	0	0	0	0	-124.8310725	53.95560066
WT-22-130B	0.04	0	0	0	0	0	0	-124.8289379	53.95627409
WT-22-135	1.1	0	0	0	0	0	0	-124.9064506	53.9965587
WT-22-136A	1.36	0	0	0	0	0	0	-124.9024042	53.99392505
WT-22-136B	0.57	0	0	0	0	0	0	-124.9051703	53.99504562
WT-22-138	3.06	0	0	0	0	0	0	-124.9414922	54.00767551
WT-22-141	5.04	0	0	0	0	0	0	-124.9564324	54.01149356
WT-22-148	1.54	0	0	0	0	0	0	-124.8119551	53.90865418
WT-22-151	4.96	0	0	0	0	0	0	-124.7046599	53.59626927
WT-22-154	1.24	0.6	0	0.19	0	0.19	0.6	-124.7974199	53.6689964
WT-22-155	0.1	3.74	0	0.1	0	0.1	3.74	-124.741906	53.62418121
WT-22-157	6.22	0	0	0	0	0	0	-124.5269525	53.43933044
WT-22-160	0.5	0	0	0	0	0	0	-124.8421352	53.74608635
WT-22-161	3.1	0	0	0	0	0	0	-124.848496	53.83661053
WT-22-163	0.24	3.01	0	0.17	0	0.17	3.01	-124.8614889	53.96809322
WT-22-167	3.12	0	0	0	0	0	0	-124.8971812	53.99193705
WT-22-168	0.33	1.36	0	0.12	0	0.12	1.36	-124.8537309	53.77078907
WT-22-176	2.24	0	0	0	0	0	0	-124.7563274	53.31245193
WT-22-177	0.71	0	0	0	0	0	0	-124.7508653	53.31392269
WT-22-178	0.87	0	0	0	0	0	0	-124.7549006	53.3127404
WT-22-179	0.47	0	0	0	0	0	0	-124.6825372	53.3277462
WT-22-189	2.42	0.02	0	0.01	0	0.01	0.02	-124.8236616	53.28290373
WT-22-190	2.41	0.75	0	0.49	0	0.49	0.75	-124.8112609	53.25089269
WT-22-192	4.36	3.75	0	4.42	0	4.42	3.75	-124.8098972	53.24252552
WT-22-193	2.31	0	0	0	0	0	0	-124.8105922	53.23115107
WT-22-195	2.46	9.94	1	7.32	0	7.32	9.94	-124.8207095	53.21031127
WT-22-196	10.01	1.36	0	3.59	0	3.59	1.36	-124.8115898	53.21029846
WT-22-197	0.95	0	0	0	0	0	0	-124.8079082	53.22234138
WT-22-198	1.67	0	0	0	0	0	0	-124.8083102	53.22018658
WT-22-200	4.18	2.87	1	3.21	0	3.21	2.87	-124.8234981	53.20222911
WT-22-201	0.53	69.88	1	32.01	13.8	45.81	100	-124.8159336	53.19587452
WT-22-202A	12.22	0.34	0	1.09	0	1.09	0.34	-124.8157542	53.20304502
WT-22-202B	2.56	27.2	1	27.68	0	27.68	27.2	-124.82165	53.19582498
WT-22-203A	0.09	0	1	0	0	0	0	-124.8210337	53.20106205
WT-22-203B	0.01	0	1	0	0	0	0	-124.8207676	53.2012466
WT-22-204	2	2.57	1	1.53	0	1.53	2.57	-124.8107325	53.24096941
WT-22-205A	0.27	0	1	0	0	0	0	-124.8129187	53.24141043
WT-22-205B	0.06	0	1	0	0	0	0	-124.8128309	53.24154288
WT-22-206	21.17	1.08	0	6	0	6	1.08	-124.8124585	53.23753486

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-208	Fen	Wf01	Outside Y23 Footprint	0.57	28	15.93	0	-	0	0	0	No Impact
WT-22-209	Bog	Wb08	Mine Site	0.14	27	3.82	0.03	Mine Site	18.35	1	27.2	Moderate Impact
WT-22-211	Marsh	Wm01	Outside Y23 Footprint	0.18	29	5.27	0	-	0	1	0	Moderate Impact
WT-22-212A	Marsh	Wm01	Mine Site	0.51	29	14.77	0	Mine Site	0.01	1	18.38	Moderate Impact
WT-22-212B	Marsh	Wm01	Mine Site	0.48	29	14.01	0.05	Mine Site	10.49	1	18.38	Moderate Impact
WT-22-213	Swamp	Ws07	Mine Site	1.76	26	45.67	0.32	Mine Site	18.38	1	18.38	Moderate Impact
WT-22-214	Bog	Wb08	Outside Y23 Footprint	0.29	27	7.92	0	-	0	1	1.36	Moderate Impact
WT-22-215A	Fen	Wf01	Outside Y23 Footprint	0.05	28	1.31	0	-	0	1	1.36	Moderate Impact
WT-22-215B	SOW	Ww	Outside Y23 Footprint	0.01	30	0.25	0	-	0	1	1.36	Moderate Impact
WT-22-216	Fen	Wf02	Mine Site	0.44	28	12.29	0.08	Mine Site	18.48	1	18.48	Moderate Impact
WT-22-217	Bog	Wb05	Outside Y23 Footprint	0.81	27	21.94	0	-	0	0	0	No Impact
WT-22-218	SOW	Ww	Outside Y23 Footprint	0.05	30	1.65	0	-	0	0	0	No Impact
WT-22-219	Swamp	Ws07	Mine Site	7.11	26	184.79	3.43	Mine Site	48.26	1	100	Moderate Impact
WT-22-220	Swamp	Ws04	Mine Site	0.63	25	15.72	0.63	Mine Site	100	1	100	High Impact
WT-22-221	SOW	Ww	Outside Y23 Footprint	0.04	30	1.27	0	-	0	1	0.1	Moderate Impact
WT-22-222	Swamp	Ws07	Transmission Line	5.88	26	152.86	0.01	Transmission Line ROW Roads	0.1	1	1.98	Moderate Impact
WT-22-223	Bog	Wb08	Transmission Line	1.44	27	38.93	0.03	Transmission Line ROW Roads	1.98	0	1.98	Low Impact
WT-22-224	Swamp	Ws07	Transmission Line	0.37	26	9.63	0	Transmission Line ROW Roads	0.56	0	1.98	Low Impact
WT-22-225	SOW	Ww	Outside Y23 Footprint	0.05	30	1.44	0	-	0	0	0	No Impact
WT-22-226	Marsh	Wm01	Outside Y23 Footprint	0.33	29	9.52	0	-	0	0	0	No Impact
WT-22-227	Swamp	Ws04	Mine Access Road	0.28	27	7.46	0.11	Mine Access Road	38.55	1	38.55	Moderate Impact
WT-22-228	Fen	Wf01	Outside Y23 Footprint	0.11	28	2.98	0	-	0	0	36.4	No Impact
WT-22-229	Bog	Wb08	Transmission Line	0.15	27	4.06	0.05	Transmission Line ROW Roads	36.4	0	36.4	Moderate Impact
WT-22-231	Bog	Wb08	Mine Access Road	0.34	27	9.15	0	Mine Access Road	0.13	1	14.44	Moderate Impact
WT-22-234	Bog	Wb05	Outside Y23 Footprint	1.4	27	37.67	0	-	0	0	0.42	No Impact
WT-22-235	Fen	Wf02	Outside Y23 Footprint	0.55	28	15.43	0	-	0	0	0.42	No Impact
WT-22-236	Swamp	Ws07	Transmission Line	1.3	26	33.69	0.14	Transmission Line Tower	10.88	0	10.88	Moderate Impact
WT-22-240	Bog	Wb08	Outside Y23 Footprint	0.6	27	16.22	0	-	0	0	0	No Impact
WT-22-241	Swamp	Ws07	Transmission Line	0.41	26	10.57	0.01	Transmission Line ROW Roads	1.37	0	0	Low Impact
WT-22-243	Fen	Wf01	Outside Y23 Footprint	0.59	28	16.63	0	-	0	0	0	No Impact
WT-22-244	Swamp	Ws07	Outside Y23 Footprint	0.88	26	22.94	0	-	0	0	0	No Impact
WT-22-245	Fen	Wf01	Outside Y23 Footprint	1.77	28	49.62	0	-	0	0	0	No Impact
WT-22-250	Bog	Wb05	Transmission Line	1.25	27	33.75	0.05	Transmission Line ROW Roads	3.89	0	3.89	Low Impact
WT-22-255	Bog	Wb01	Outside Y23 Footprint	0.36	27	9.64	0	-	0	0	0	No Impact
WT-22-257	Marsh	Wm01	Outside Y23 Footprint	0.21	29	6.12	0	-	0	0	0	No Impact
WT-22-260	Fen	Wf02	Outside Y23 Footprint	0.09	28	2.64	0	-	0	0	2.88	No Impact
WT-22-261	Fen	Wf01	Transmission Line	0.04	28	1.24	0.01	Transmission Line ROW Roads	21.46	0	21.46	Moderate Impact
WT-22-262	Fen	Wf01	Transmission Line	0.04	28	1.06	0	Transmission Line ROW Roads	6.91	0	0	Low Impact
WT-22-263	Fen	Wf01	Outside Y23 Footprint	0.06	28	1.68	0	-	0	0	0	No Impact
WT-22-268	Swamp	Ws07	Transmission Line	0.97	26	25.14	0.02	Transmission Line ROW Roads	2.14	0	0	Low Impact
WT-22-270	Fen	Wf02	Outside Y23 Footprint	0.08	28	2.37	0	-	0	0	0	No Impact
WT-22-271	Fen	Wf02	Outside Y23 Footprint	0.04	28	1.02	0	-	0	0	0	No Impact
WT-22-276	Marsh	Wm01	Outside Y23 Footprint	0.33	29	9.66	0	-	0	0	0	No Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-208	0.57	0	0	0	0	0	0	-124.8118767	53.22105074
WT-22-209	0.12	18.35	1	0.7	0	0.7	18.35	-124.820339	53.19730217
WT-22-211	0.18	0	1	0	0	0	0	-124.8236123	53.20251367
WT-22-212A	0.51	0.01	1	0	0	0	0.01	-124.8208807	53.20402362
WT-22-212B	0.43	10.49	1	1.47	0	1.47	10.49	-124.8194494	53.20537715
WT-22-213	1.43	18.38	1	8.39	0	8.39	18.38	-124.8197427	53.20468247
WT-22-214	0.29	0	1	0	0	0	0	-124.8178007	53.20772631
WT-22-215A	0.05	0	1	0	0	0	0	-124.8179432	53.20871456
WT-22-215B	0.01	0	1	0	0	0	0	-124.8180523	53.20874894
WT-22-216	0.36	18.48	1	2.27	0	2.27	18.48	-124.8205763	53.21002241
WT-22-217	0.81	0	0	0	0	0	0	-124.8072667	53.22151075
WT-22-218	0.05	0	0	0	0	0	0	-124.8121674	53.22151002
WT-22-219	3.68	48.26	1	89.18	0	89.18	48.26	-124.8379303	53.22201968
WT-22-220	0	100	1	15.72	0	15.72	100	-124.8280729	53.22697826
WT-22-221	0.04	0	1	0	0	0	0	-124.823792	53.22521072
WT-22-222	5.87	0.1	1	0.15	0	0.15	0.1	-124.820541	53.22584883
WT-22-223	1.41	1.98	0	0.77	0	0.77	1.98	-124.8121683	53.23071188
WT-22-224	0.37	0.56	0	0.05	0	0.05	0.56	-124.8124654	53.23188746
WT-22-225	0.05	0	0	0	0	0	0	-124.8102655	53.22976025
WT-22-226	0.33	0	0	0	0	0	0	-124.8115782	53.2370828
WT-22-227	0.17	38.55	1	2.88	0	2.88	38.55	-124.8139793	53.23693506
WT-22-228	0.11	0	0	0	0	0	0	-124.8152834	53.25111078
WT-22-229	0.1	36.4	0	1.48	0	1.48	36.4	-124.8148659	53.25185351
WT-22-231	0.34	0.13	1	0.01	0	0.01	0.13	-124.8132844	53.2414735
WT-22-234	1.4	0	0	0	0	0	0	-124.763454	53.3197647
WT-22-235	0.55	0	0	0	0	0	0	-124.7620422	53.31660524
WT-22-236	1.15	10.88	0	3.67	0	3.67	10.88	-124.757963	53.31572
WT-22-240	0.6	0	0	0	0	0	0	-124.6511687	53.35751193
WT-22-241	0.4	1.37	0	0.15	0	0.15	1.37	-124.6485608	53.36283853
WT-22-243	0.59	0	0	0	0	0	0	-124.5650959	53.42738435
WT-22-244	0.88	0	0	0	0	0	0	-124.5465157	53.43737644
WT-22-245	1.77	0	0	0	0	0	0	-124.5258476	53.43867872
WT-22-250	1.2	3.89	0	1.31	0	1.31	3.89	-124.5708999	53.55737742
WT-22-255	0.36	0	0	0	0	0	0	-124.7131879	53.59470254
WT-22-257	0.21	0	0	0	0	0	0	-124.7193526	53.59692786
WT-22-260	0.09	0	0	0	0	0	0	-124.7601126	53.6338233
WT-22-261	0.03	21.46	0	0.27	0	0.27	21.46	-124.7623233	53.6342241
WT-22-262	0.04	6.91	0	0.07	0	0.07	6.91	-124.7716151	53.63444147
WT-22-263	0.06	0	0	0	0	0	0	-124.7712613	53.6341568
WT-22-268	0.95	2.14	0	0.54	0	0.54	2.14	-124.7825619	53.63440128
WT-22-270	0.08	0	0	0	0	0	0	-124.7860255	53.63736368
WT-22-271	0.04	0	0	0	0	0	0	-124.7869666	53.63740062
WT-22-276	0.33	0	0	0	0	0	0	-124.7975536	53.67150004

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-280	Marsh	Wm01	Outside Y23 Footprint	0.21	29	6.17	0	-	0	0	0	No Impact
WT-22-285	Swamp	Ws07	Transmission Line	1.58	26	41.14	0.02	Transmission Line ROW Roads	1.05	0	0	Low Impact
WT-22-287	Swamp	Ws04	Outside Y23 Footprint	1.26	26	32.75	0	-	0	0	0	No Impact
WT-22-290	Marsh	Wm01	Outside Y23 Footprint	0.22	29	6.51	0	-	0	0	0	No Impact
WT-22-297	Swamp	Ws07	Transmission Line	2.54	26	66.14	0.07	Transmission Line Tower	2.73	0	0	Low Impact
WT-22-299	SOW	Ww	Outside Y23 Footprint	1.04	30	31.18	0	-	0	0	0	No Impact
WT-22-300	SOW	Ww	Outside Y23 Footprint	1.57	30	47.07	0	-	0	0	0	No Impact
WT-22-311	Swamp	Ws07	Outside Y23 Footprint	0.93	22	20.43	0	-	0	0	0	No Impact
WT-22-315	Swamp	Ws07	Outside Y23 Footprint	0.89	26	23.08	0	-	0	0	0	No Impact
WT-22-318	SOW	Ww	Outside Y23 Footprint	0.26	30	7.79	0	-	0	0	0	No Impact
WT-22-319	Swamp	Ws07	Outside Y23 Footprint	0.44	26	11.49	0	-	0	0	0	No Impact
WT-22-324	Marsh	Wm01	Outside Y23 Footprint	0.15	29	4.45	0	-	0	1	0	Moderate Impact
WT-22-325	SOW	Ww	Outside Y23 Footprint	0.04	30	1.17	0	-	0	1	0	Moderate Impact
WT-22-326	SOW	Ww	Outside Y23 Footprint	0.06	30	1.87	0	-	0	1	0	Moderate Impact
WT-22-327	Swamp	Ws08	Outside Y23 Footprint	3.31	26	86.1	0	-	0	1	0	Moderate Impact
WT-22-328A	Bog	Wb08	Outside Y23 Footprint	0.2	27	5.45	0	-	0	0	0	No Impact
WT-22-328B	Fen	Wf01	Outside Y23 Footprint	0.12	28	3.39	0	-	0	0	0	No Impact
WT-22-328C	Bog	Wb08	Outside Y23 Footprint	0.17	27	4.62	0	-	0	0	0	No Impact
WT-22-328D	Swamp	Ws08	Outside Y23 Footprint	0.64	26	16.68	0	-	0	0	0	No Impact
WT-22-328E	Swamp	Ws08	Outside Y23 Footprint	0.09	26	2.45	0	-	0	0	0	No Impact
WT-22-328F	Swamp	Ws08	Outside Y23 Footprint	0.13	26	3.32	0	-	0	0	0	No Impact
WT-22-328G	Swamp	Ws08	Outside Y23 Footprint	0.29	26	7.55	0	-	0	0	0	No Impact
WT-22-329	Marsh	Wm01	Mine Site	1.28	29	37.21	1.28	Mine Site	100	1	100	High Impact
WT-22-330	Swamp	Ws08	Mine Site	1.27	26	33.06	1.27	Mine Site	100	1	100	High Impact
WT-22-331	Swamp	Ws08	Outside Y23 Footprint	3.7	26	96.16	0	-	0	0	0	No Impact
WT-22-332	Fen	Wf08	Mine Site	3.07	31	95.17	3.07	Mine Site	100	1	100	High Impact
WT-22-333	Marsh	Wm00	Mine Site	0.86	29	24.95	0.86	Mine Site	100	1	100	High Impact
WT-22-334	SOW	Ww	Mine Site	2.05	30	61.62	1.2	Mine Site	58.37	1	100	High Impact
WT-22-335	Bog	Wb08	Mine Site	1.38	27	37.18	0.03	Mine Site	2.42	1	49.63	Moderate Impact
WT-22-336A	Swamp	Ws07	Mine Site	0.24	26	6.16	0.24	Mine Site	100	1	100	High Impact
WT-22-336B	Swamp	Ws07	Mine Site	0.25	26	6.37	0.25	Mine Site	100	1	100	High Impact
WT-22-336C	Swamp	Ws07	Mine Site	0.23	26	6.11	0.23	Mine Site	100	1	100	High Impact
WT-22-337	Bog	Wb08	Outside Y23 Footprint	0.45	27	12.07	0	-	0	0	9.08	No Impact
WT-22-338A	Swamp	Ws08	Mine Site	3.17	26	82.47	0.42	Mine Site	13.35	1	100	Moderate Impact
WT-22-338B	Swamp	Ws08	Mine Site	5.55	26	144.36	5.55	Mine Site	100	1	100	High Impact
WT-22-338C	Swamp	Ws08	Mine Site	0.7	26	18.13	0.7	Mine Site	100	1	100	High Impact
WT-22-338D	Swamp	Ws07	Mine Site	1.52	26	39.53	1.52	Mine Site	100	1	100	High Impact
WT-22-338E	Bog	Wb08	Mine Site	0.13	27	3.63	0.13	Mine Site	100	1	100	High Impact
WT-22-338F	Swamp	Ws08	Mine Site	0.09	26	2.46	0.09	Mine Site	100	1	100	High Impact
WT-22-340	Bog	Wb05	Outside Y23 Footprint	1.42	27	38.25	0	-	0	0	0	No Impact
WT-22-343	Bog	Wb05	Mine Site	7.22	27	194.93	0.03	Mine Site	0.42	0	69.88	Moderate Impact
WT-22-345A	Swamp	Ws08	Mine Site	1.61	26	41.89	0.31	Mine Site	19.12	1	99.41	Moderate Impact
WT-22-345B	Fen	Wf04	Mine Site	0.22	28	6.04	0.21	Mine Site	99.41	1	99.41	High Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-280	0.21	0	0	0	0	0	0	-124.842307	53.71977657
WT-22-285	1.57	1.05	0	0.43	0	0.43	1.05	-124.8519193	53.76969964
WT-22-287	1.26	0	0	0	0	0	0	-124.8536588	53.78073638
WT-22-290	0.22	0	0	0	0	0	0	-124.8444707	53.83081463
WT-22-297	2.47	2.73	0	1.81	0	1.81	2.73	-124.8126686	53.93835447
WT-22-299	1.04	0	0	0	0	0	0	-124.8223009	53.95260813
WT-22-300	1.57	0	0	0	0	0	0	-124.817521	53.95324211
WT-22-311	0.93	0	0	0	0	0	0	-124.9189325	54.00275288
WT-22-315	0.89	0	0	0	0	0	0	-124.963374	54.04510825
WT-22-318	0.26	0	0	0	0	0	0	-125.0037226	54.06753557
WT-22-319	0.44	0	0	0	0	0	0	-125.0018229	54.06841942
WT-22-324	0.15	0	1	0	0	0	0	-124.8215791	53.20125829
WT-22-325	0.04	0	1	0	0	0	0	-124.8215805	53.20120881
WT-22-326	0.06	0	1	0	0	0	0	-124.8210046	53.20099839
WT-22-327	3.31	0	1	0	0	0	0	-124.8594212	53.18678643
WT-22-328A	0.2	0	0	0	0	0	0	-124.9220861	53.18452377
WT-22-328B	0.12	0	0	0	0	0	0	-124.9201086	53.18492745
WT-22-328C	0.17	0	0	0	0	0	0	-124.9195285	53.18579028
WT-22-328D	0.64	0	0	0	0	0	0	-124.9228897	53.18595116
WT-22-328E	0.09	0	0	0	0	0	0	-124.9205951	53.18605478
WT-22-328F	0.13	0	0	0	0	0	0	-124.9237721	53.18400099
WT-22-328G	0.29	0	0	0	0	0	0	-124.9202128	53.186352
WT-22-329	0	100	1	37.21	0	37.21	100	-124.9083244	53.19325134
WT-22-330	0	100	1	33.06	0	33.06	100	-124.8999559	53.19513831
WT-22-331	3.7	0	0	0	0	0	0	-124.8991338	53.23363106
WT-22-332	0	100	1	95.17	0	95.17	100	-124.8703756	53.22299309
WT-22-333	0	100	1	24.95	0	24.95	100	-124.8443806	53.21023522
WT-22-334	0.85	58.37	1	35.97	25.65	61.62	100	-124.8497554	53.22081042
WT-22-335	1.34	2.42	1	0.9	0	0.9	2.42	-124.838448	53.22425003
WT-22-336A	0	100	1	6.16	0	6.16	100	-124.8692897	53.22114319
WT-22-336B	0	100	1	6.37	0	6.37	100	-124.8631672	53.22072491
WT-22-336C	0	100	1	6.11	0	6.11	100	-124.8660785	53.22046884
WT-22-337	0.45	0	0	0	0	0	0	-124.9181553	53.19786568
WT-22-338A	2.75	13.35	1	11.01	0	11.01	13.35	-124.8972206	53.21621311
WT-22-338B	0	100	1	144.36	0	144.36	100	-124.8763041	53.21668289
WT-22-338C	0	100	1	18.13	0	18.13	100	-124.8763769	53.2159735
WT-22-338D	0	100	1	39.53	0	39.53	100	-124.8627442	53.21695587
WT-22-338E	0	100	1	3.63	0	3.63	100	-124.8758124	53.21365567
WT-22-338F	0	100	1	2.46	0	2.46	100	-124.8761167	53.21326437
WT-22-340	1.42	0	0	0	0	0	0	-124.8915665	53.20524709
WT-22-343	7.19	0.42	0	0.83	0	0.83	0.42	-124.8217301	53.193481
WT-22-345A	1.3	19.12	1	8.01	0	8.01	19.12	-124.8620281	53.17949597
WT-22-345B	0	99.41	1	6.01	0.04	6.04	100	-124.8652269	53.17936248

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-346	Marsh	Wm01	Outside Y23 Footprint	0.3	29	8.66	0	-	0	1	2.99	Moderate Impact
WT-22-347	Fen	Wf02	Outside Y23 Footprint	0.37	28	10.41	0	-	0	1	2.99	Moderate Impact
WT-22-348A	Fen	Wf13	Outside Y23 Footprint	0.18	28	5.12	0	-	0	1	23.74	Moderate Impact
WT-22-348B	Fen	Wf11	Outside Y23 Footprint	0.26	30	7.84	0	-	0	1	2.99	Moderate Impact
WT-22-349A	Fen	Wf02	Mine Site	0.79	28	22.15	0.79	Mine Site	100	1	100	High Impact
WT-22-349B	Bog	Wb08	Mine Site	0.17	27	4.49	0.17	Mine Site	100	1	100	High Impact
WT-22-349C	Bog	Wb08	Mine Site	0.06	27	1.5	0.06	Mine Site	100	1	100	High Impact
WT-22-350	Bog	Wb08	Mine Site	0.35	27	9.53	0.35	Mine Site	100	1	100	High Impact
WT-22-353A	Bog	Wb08	Mine Site	0.14	27	3.72	0.14	Mine Site	100	1	100	High Impact
WT-22-353B	Bog	Wb08	Mine Site	0.17	27	4.64	0.17	Mine Site	100	1	100	High Impact
WT-22-353C	Swamp	Ws07	Mine Site	0.16	26	4.25	0.16	Mine Site	100	1	100	High Impact
WT-22-353D	Swamp	Ws08	Mine Site	0.18	26	4.57	0.18	Mine Site	100	1	100	High Impact
WT-22-354	Bog	Wb08	Mine Site	0.96	27	25.79	0.96	Mine Site	100	1	100	High Impact
WT-22-355A	Swamp	Ws08	Outside Y23 Footprint	1.17	27	31.64	0	-	0	0	0	No Impact
WT-22-355B	Swamp	Ws08	Outside Y23 Footprint	1.28	26	33.25	0	-	0	0	0	No Impact
WT-22-355C	Swamp	Ws08	Outside Y23 Footprint	0.94	26	24.41	0	-	0	0	0	No Impact
WT-22-358A	Swamp	Ws07	Mine Site	3.57	26	92.85	3.57	Mine Site	100	1	100	High Impact
WT-22-358B	Swamp	Ws07	Mine Site	0.9	26	23.34	0.9	Mine Site	100	1	100	High Impact
WT-22-358C	Swamp	Ws07	Mine Site	1.13	26	29.37	1.13	Mine Site	100	1	100	High Impact
WT-22-359A	Swamp	Ws08	Mine Site	0.16	26	4.13	0.16	Mine Site	100	1	100	High Impact
WT-22-359B	Swamp	Ws08	Mine Site	0.55	26	14.27	0.55	Mine Site	100	1	100	High Impact
WT-22-360	Swamp	Ws08	Mine Site	0.19	26	5.02	0	Mine Site	0	1	0	Moderate Impact
WT-22-362A	Swamp	Ws08	Mine Site	1.1	26	28.5	1.1	Mine Site	100	1	100	High Impact
WT-22-362B	Swamp	Ws08	Mine Site	0.72	26	18.7	0.72	Mine Site	100	1	100	High Impact
WT-22-363	Swamp	Ws07	Mine Site	2.25	26	58.4	2.25	Mine Site	100	1	100	High Impact
WT-22-364	Swamp	Ws08	Mine Site	2.18	26	56.71	2.18	Mine Site	100	1	100	High Impact
WT-22-365	Swamp	Ws08	Mine Site	0.78	26	20.2	0.78	Mine Site	100	1	100	High Impact
WT-22-366	Fen	Wf08	Outside Y23 Footprint	4.73	28	132.48	0	-	0	0	0	No Impact
WT-22-367A	Fen	Wf04	Outside Y23 Footprint	0.14	27	3.79	0	-	0	0	0	No Impact
WT-22-367B	Bog	Wb05	Outside Y23 Footprint	2.4	27	64.76	0	-	0	0	0	No Impact
WT-22-369	Bog	Wb05	Outside Y23 Footprint	0.72	27	19.44	0	-	0	0	0	No Impact
WT-22-370	Bog	Wb05	Outside Y23 Footprint	0.69	27	18.63	0	-	0	0	0	No Impact
WT-22-371A	Marsh	Wm01	Mine Site	0.72	29	21.01	0.72	Mine Site	100	1	100	High Impact
WT-22-371B	Swamp	Ws08	Mine Site	0.62	26	16.16	0.62	Mine Site	100	1	100	High Impact
WT-22-372	Bog	Wb05	Mine Site	0.35	27	9.53	0.11	Mine Site	30.76	1	0	Moderate Impact
WT-22-373	Bog	Wb10	Mine Site	0.36	26	9.31	0.36	Mine Site	100	1	100	High Impact
WT-22-374	Bog	Wb10	Outside Y23 Footprint	0.16	27	4.22	0	-	0	0	0	No Impact
WT-22-375	SOW	Ww	Outside Y23 Footprint	0.15	30	4.57	0	-	0	0	0	No Impact
WT-22-376	Swamp	Ws08	Outside Y23 Footprint	1.05	26	27.22	0	-	0	0	0	No Impact
WT-22-377	Bog	Wb05	Outside Y23 Footprint	1.81	27	48.88	0	-	0	0	0	No Impact
WT-22-378A	Fen	Wf13	Outside Y23 Footprint	1.61	28	45.03	0	-	0	0	0	No Impact
WT-22-378B	Bog	Wb05	Outside Y23 Footprint	0.8	27	21.53	0	-	0	0	0	No Impact
WT-22-379	Bog	Wb05	Mine Site	0.35	27	9.47	0.35	Mine Site	100	1	100	High Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-346	0.3	0	1	0	0	0	0	-124.8880137	53.18120496
WT-22-347	0.37	0	1	0	0	0	0	-124.8874959	53.18253248
WT-22-348A	0.18	0	1	0	0	0	0	-124.8862702	53.18318964
WT-22-348B	0.26	0	1	0	0	0	0	-124.8860576	53.18334937
WT-22-349A	0	100	1	22.15	0	22.15	100	-124.8679455	53.20288685
WT-22-349B	0	100	1	4.49	0	4.49	100	-124.8678073	53.2031849
WT-22-349C	0	100	1	1.5	0	1.5	100	-124.8684553	53.20283925
WT-22-350	0	100	1	9.53	0	9.53	100	-124.8699524	53.20087389
WT-22-353A	0	100	1	3.72	0	3.72	100	-124.8954679	53.19800707
WT-22-353B	0	100	1	4.64	0	4.64	100	-124.8933418	53.19794556
WT-22-353C	0	100	1	4.25	0	4.25	100	-124.8920236	53.19838113
WT-22-353D	0	100	1	4.57	0	4.57	100	-124.8962781	53.19797608
WT-22-354	0	100	1	25.79	0	25.79	100	-124.8995864	53.1968391
WT-22-355A	1.17	0	0	0	0	0	0	-124.8492807	53.18020033
WT-22-355B	1.28	0	0	0	0	0	0	-124.8494454	53.17913253
WT-22-355C	0.94	0	0	0	0	0	0	-124.8457309	53.17903715
WT-22-358A	0	100	1	92.85	0	92.85	100	-124.857732	53.22050367
WT-22-358B	0	100	1	23.34	0	23.34	100	-124.8532497	53.21981349
WT-22-358C	0	100	1	29.37	0	29.37	100	-124.8520439	53.22009089
WT-22-359A	0	100	1	4.13	0	4.13	100	-124.8440143	53.20818872
WT-22-359B	0	100	1	14.27	0	14.27	100	-124.8504098	53.20346901
WT-22-360	0.19	0	1	0	0	0	0	-124.8314167	53.19649487
WT-22-362A	0	100	1	28.5	0	28.5	100	-124.8831565	53.20710505
WT-22-362B	0	100	1	18.7	0	18.7	100	-124.8784295	53.20665645
WT-22-363	0	100	1	58.4	0	58.4	100	-124.8558521	53.21136871
WT-22-364	0	100	1	56.71	0	56.71	100	-124.8559131	53.20346851
WT-22-365	0	100	1	20.2	0	20.2	100	-124.8765381	53.22429654
WT-22-366	4.73	0	0	0	0	0	0	-124.8939477	53.23294297
WT-22-367A	0.14	0	0	0	0	0	0	-124.8545558	53.18007765
WT-22-367B	2.4	0	0	0	0	0	0	-124.8525024	53.1797509
WT-22-369	0.72	0	0	0	0	0	0	-124.9213131	53.19846341
WT-22-370	0.69	0	0	0	0	0	0	-124.9173363	53.19573486
WT-22-371A	0	100	1	21.01	0	21.01	100	-124.887329	53.19808444
WT-22-371B	0	100	1	16.16	0	16.16	100	-124.8917983	53.19731011
WT-22-372	0.24	30.76	1	2.93	0	2.93	30.76	-124.88817	53.2065382
WT-22-373	0	100	1	9.31	0	9.31	100	-124.8782466	53.20563124
WT-22-374	0.16	0	0	0	0	0	0	-124.8956371	53.21203065
WT-22-375	0.15	0	0	0	0	0	0	-124.8943396	53.21027545
WT-22-376	1.05	0	0	0	0	0	0	-124.8909725	53.23213339
WT-22-377	1.81	0	0	0	0	0	0	-124.8870934	53.23133774
WT-22-378A	1.61	0	0	0	0	0	0	-124.8954108	53.23232615
WT-22-378B	0.8	0	0	0	0	0	0	-124.8976339	53.23296523
WT-22-379	0	100	1	9.47	0	9.47	100	-124.8706941	53.22162718

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-380	Bog	Wb05	Mine Site	1.18	27	31.73	1.18	Mine Site	100	1	100	High Impact
WT-22-381	Fen	Wf02	Mine Site	1.36	28	38	1.36	Mine Site	100	1	100	High Impact
WT-22-382	Bog	Wb05	Mine Site	0.49	27	13.14	0.49	Mine Site	100	1	100	High Impact
WT-22-383	Bog	Wb08	Mine Site	0.44	27	11.81	0.44	Mine Site	100	1	100	High Impact
WT-22-384	Bog	Wb05	Outside Y23 Footprint	0.75	27	20.16	0	-	0	0	81.89	Moderate Impact
WT-22-385	SOW	Ww	Outside Y23 Footprint	0.2	30	5.95	0	-	0	0	0	No Impact
WT-22-386	SOW	Ww	Outside Y23 Footprint	0.36	30	10.66	0	-	0	0	0	No Impact
WT-22-387	Bog	Wb05	Outside Y23 Footprint	0.95	27	25.76	0	-	0	0	0	No Impact
WT-22-388	Bog	Wb05	Outside Y23 Footprint	0.41	27	11.18	0	-	0	0	0	No Impact
WT-22-389	Bog	Wb05	Outside Y23 Footprint	0.15	27	4.06	0	-	0	0	0	No Impact
WT-22-390A	Bog	Wb10	Outside Y23 Footprint	0.29	28	8.1	0	-	0	1	0	Moderate Impact
WT-22-390B	Bog	Wb08	Outside Y23 Footprint	1.79	27	48.36	0	-	0	1	32.46	Moderate Impact
WT-22-391	Fen	Wf11	Mine Site	0.38	31	11.7	0.38	Mine Site	100	1	80.86	High Impact
WT-22-392	Bog	Wb08	Mine Site	3.06	27	82.61	0.73	Mine Site	23.74	1	100	Moderate Impact
WT-22-395	SOW	Ww	Mine Site	0.03	30	0.8	0.03	Mine Site	100	1	100	High Impact
WT-22-397A	Marsh	Wm01	Mine Site	0.47	29	13.52	0.47	Mine Site	100	1	100	High Impact
WT-22-397B	Bog	Wb08	Mine Site	0.09	27	2.51	0.09	Mine Site	100	1	100	High Impact
WT-22-398A	Bog	Wb08	Mine Site	0.62	27	16.85	0.15	Mine Site	23.28	1	76.74	Moderate Impact
WT-22-398B	Bog	Wb05	Mine Site	0.1	27	2.72	0.04	Mine Site	42.77	1	76.74	Moderate Impact
WT-22-399A	Marsh	Wm01	Mine Site	0.22	29	6.26	0.22	Mine Site	100	1	100	High Impact
WT-22-399B	Fen	Wf06	Mine Site	0.05	28	1.28	0.05	Mine Site	100	1	100	High Impact
WT-22-399C	Fen	Wf06	Mine Site	0.07	28	2.1	0.07	Mine Site	100	1	100	High Impact
WT-22-400	Fen	Wf03	Mine Site	0.05	28	1.37	0.05	Mine Site	100	1	0	High Impact
WT-22-401	Marsh	Wm01	Outside Y23 Footprint	0.09	29	2.72	0	-	0	0	0	No Impact
WT-22-402A	Bog	Wb08	Outside Y23 Footprint	0.09	27	2.56	0	-	0	0	0	No Impact
WT-22-402B	SOW	Ww	Outside Y23 Footprint	0.04	30	1.23	0	-	0	0	0	No Impact
WT-22-404	Bog	Wb08	Mine Site	0.38	27	10.39	0.38	Mine Site	100	1	100	High Impact
WT-22-405	Fen	Wf03	Mine Site	0.56	30	16.92	0.56	Mine Site	100	1	100	High Impact
WT-22-406	Bog	Wb08	Mine Site	2.23	27	60.14	2.23	Mine Site	100	1	100	High Impact
WT-22-408	Bog	Wb05	Mine Site	0.63	27	17.08	0.63	Mine Site	100	1	0	High Impact
WT-22-412	Bog	Wb08	Outside Y23 Footprint	0.47	27	12.59	0	-	0	1	0	Moderate Impact
WT-22-413	Fen	Wf02	Outside Y23 Footprint	1.26	28	35.29	0	-	0	0	0	No Impact
WT-22-414	Swamp	Ws07	Mine Site	2.32	26	60.26	2.32	Mine Site	100	1	100	High Impact
WT-22-415	Bog	Wb05	Outside Y23 Footprint	0.23	27	6.31	0	-	0	1	48.26	Moderate Impact
WT-22-416	Swamp	Ws07	Mine Site	2.53	26	65.77	2.53	Mine Site	100	1	100	High Impact
WT-22-417	Swamp	Ws04	Mine Site	0.4	27	10.85	0.4	Mine Site	100	1	100	High Impact
WT-22-418	Swamp	Ws07	Mine Site	5.13	26	133.33	0.41	Mine Site	8.05	1	11.02	Moderate Impact
WT-22-419	Swamp	Ws07	Mine Site	0.56	26	14.55	0.08	Mine Site	15.09	1	11.02	Moderate Impact
WT-22-420	Swamp	Ws07	Mine Site	1.87	26	48.54	0.25	Mine Site	13.56	1	11.02	Moderate Impact
WT-22-421	Bog	Wb08	Mine Site	1.36	27	36.59	0.15	Mine Site	11.02	1	15.09	Moderate Impact
WT-22-422	SOW	Ww	Outside Y23 Footprint	0.82	30	24.63	0	-	0	1	0	Moderate Impact
WT-22-423	Marsh	Wm01	Outside Y23 Footprint	0.28	29	8.04	0	-	0	1	60.84	Moderate Impact
WT-22-424	Swamp	Ws07	Mine Site	1.58	26	41.1	1.21	Mine Site	76.74	1	76.74	High Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-380	0	100	1	31.73	0	31.73	100	-124.8692031	53.22192244
WT-22-381	0	100	1	38	0	38	100	-124.8717306	53.22343086
WT-22-382	0	100	1	13.14	0	13.14	100	-124.8735632	53.22526633
WT-22-383	0	100	1	11.81	0	11.81	100	-124.8710851	53.22527966
WT-22-384	0.75	0	0	0	0	0	0	-124.883059	53.2301588
WT-22-385	0.2	0	0	0	0	0	0	-124.9198143	53.18382968
WT-22-386	0.36	0	0	0	0	0	0	-124.9199652	53.18187479
WT-22-387	0.95	0	0	0	0	0	0	-124.9110518	53.18655501
WT-22-388	0.41	0	0	0	0	0	0	-124.9135209	53.18575308
WT-22-389	0.15	0	0	0	0	0	0	-124.9087539	53.18459485
WT-22-390A	0.29	0	1	0	0	0	0	-124.901041	53.18077732
WT-22-390B	1.79	0	1	0	0	0	0	-124.8978232	53.18051461
WT-22-391	0	100	1	11.7	0	11.7	100	-124.8888637	53.17105052
WT-22-392	2.33	23.74	1	19.62	0	19.62	23.74	-124.8833698	53.18239278
WT-22-395	0	100	1	0.8	0	0.8	100	-124.864958	53.19750635
WT-22-397A	0	100	1	13.52	0	13.52	100	-124.8520033	53.19842291
WT-22-397B	0	100	1	2.51	0	2.51	100	-124.8512513	53.19811142
WT-22-398A	0.48	23.28	1	3.92	0	3.92	23.28	-124.8343095	53.20759717
WT-22-398B	0.06	42.77	1	1.16	0	1.16	42.77	-124.8349498	53.20737912
WT-22-399A	0	100	1	6.26	0	6.26	100	-124.8525193	53.20287591
WT-22-399B	0	100	1	1.28	0	1.28	100	-124.8517246	53.20278551
WT-22-399C	0	100	1	2.1	0	2.1	100	-124.8531778	53.20286581
WT-22-400	0	100	1	1.37	0	1.37	100	-124.8907147	53.1861597
WT-22-401	0.09	0	0	0	0	0	0	-124.9126126	53.18754851
WT-22-402A	0.09	0	0	0	0	0	0	-124.9159114	53.18518312
WT-22-402B	0.04	0	0	0	0	0	0	-124.915967	53.18547088
WT-22-404	0	100	1	10.39	0	10.39	100	-124.8685848	53.20202981
WT-22-405	0	100	1	16.92	0	16.92	100	-124.8675778	53.20220603
WT-22-406	0	100	1	60.14	0	60.14	100	-124.8658253	53.20426591
WT-22-408	0	100	1	17.08	0	17.08	100	-124.9025107	53.19220236
WT-22-412	0.47	0	1	0	0	0	0	-124.8550167	53.18030456
WT-22-413	1.26	0	0	0	0	0	0	-124.8514292	53.18068692
WT-22-414	0	100	1	60.26	0	60.26	100	-124.8730369	53.2019261
WT-22-415	0.23	0	1	0	0	0	0	-124.8311038	53.22290677
WT-22-416	0	100	1	65.77	0	65.77	100	-124.8649283	53.20849024
WT-22-417	0	100	1	10.85	0	10.85	100	-124.855806	53.21454432
WT-22-418	4.72	8.05	1	10.73	0	10.73	8.05	-124.8281235	53.21310459
WT-22-419	0.48	15.09	1	2.19	0	2.19	15.09	-124.8316016	53.21546848
WT-22-420	1.61	13.56	1	6.58	0	6.58	13.56	-124.8305092	53.21907274
WT-22-421	1.21	11.02	1	4.03	0	4.03	11.02	-124.8304551	53.21683755
WT-22-422	0.82	0	1	0	0	0	0	-124.8427412	53.21531119
WT-22-423	0.28	0	1	0	0	0	0	-124.8408485	53.21570001
WT-22-424	0.37	76.74	1	31.54	9.56	41.1	100	-124.8303589	53.20654112

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-425A	SOW	Ww	Outside Y23 Footprint	0.15	30	4.53	0	-	0	1	76.74	Moderate Impact
WT-22-425B	SOW	Ww	Outside Y23 Footprint	0.3	30	8.87	0	-	0	1	76.74	Moderate Impact
WT-22-427	Bog	Wb10	Outside Y23 Footprint	2.75	27	74.19	0	-	0	1	7.93	Moderate Impact
WT-22-428	Swamp	Ws07	Mine Site	1.11	26	28.96	1.11	Mine Site	100	1	100	High Impact
WT-22-429A	Bog	Wb05	Outside Y23 Footprint	0.12	27	3.14	0	-	0	1	0	Moderate Impact
WT-22-429B	Fen	Wf06	Outside Y23 Footprint	0.05	28	1.47	0	-	0	1	0	Moderate Impact
WT-22-432	Swamp	Ws07	Mine Site	0.16	26	4.12	0.14	Mine Site	90.67	1	90.67	High Impact
WT-22-433	Fen	Wf01	Mine Site	0.43	28	12.01	0	Mine Site	0.8	1	4.54	Moderate Impact
WT-22-435	Marsh	Wm01	Outside Y23 Footprint	0.18	29	5.25	0	-	0	1	4.54	Moderate Impact
WT-22-436	Marsh	Wm01	Mine Site	0.28	30	8.53	0.15	Mine Site	52.42	1	0	High Impact
WT-22-438	Marsh	Wm01	Mine Site	0.22	29	6.38	0.22	Mine Site	100	1	0	High Impact
WT-22-439	SOW	Ww	Outside Y23 Footprint	0.23	30	7.01	0	-	0	0	0	No Impact
WT-22-440	Marsh	Wm01	Mine Site	0.26	29	7.54	0.26	Mine Site	100	1	0	High Impact
WT-22-441	Marsh	Wm01	Mine Site	0.05	29	1.59	0.05	Mine Site	100	1	100	High Impact
WT-22-442	SOW	Ww	Mine Site	0.06	30	1.74	0.06	Mine Site	100	1	100	High Impact
WT-22-443	Bog	Wb10	Mine Site	0.58	26	15	0.58	Mine Site	100	1	100	High Impact
WT-22-449	SOW	Ww	Mine Site	0.1	30	3.14	0.1	Mine Site	100	1	0	High Impact
WT-22-450	Swamp	Ws08	Outside Y23 Footprint	2	26	51.92	0	-	0	1	0	Moderate Impact
WT-22-451A	Fen	Wf11	Outside Y23 Footprint	2.16	28	60.54	0	-	0	1	19.91	Moderate Impact
WT-22-451B	Bog	Wb05	Outside Y23 Footprint	0.35	27	9.43	0	-	0	1	0	Moderate Impact
WT-22-451C	Fen	Wf02	Mine Site	0.84	28	23.51	0.17	Mine Site	19.91	1	19.91	Moderate Impact
WT-22-452	Swamp	Ws08	Outside Y23 Footprint	0.29	26	7.47	0	-	0	1	19.91	Moderate Impact
WT-22-453	Swamp	Ws08	Mine Site	0.37	27	9.87	0.23	Mine Site	61.69	1	100	High Impact
WT-22-454	Bog	Wb05	Outside Y23 Footprint	0.59	27	15.87	0	-	0	0	0	No Impact
WT-22-456	Swamp	Ws08	Mine Site	1.26	26	32.85	1.03	Mine Site	81.89	1	100	High Impact
WT-22-457	Swamp	Ws08	Outside Y23 Footprint	0.41	26	10.61	0	-	0	0	0	No Impact
WT-22-459	SOW	Ww	Mine Site	0.05	30	1.59	0.05	Mine Site	100	1	100	High Impact
WT-22-460	Swamp	Ws08	Outside Y23 Footprint	1.32	26	34.32	0	-	0	0	0	No Impact
WT-22-461	Bog	Wb05	Outside Y23 Footprint	0.18	27	4.98	0	-	0	0	0	No Impact
WT-22-462	Fen	Wf03	Outside Y23 Footprint	0.04	28	1.18	0	-	0	0	0	No Impact
WT-22-463	Bog	Wb08	Outside Y23 Footprint	0.27	27	7.25	0	-	0	0	0	No Impact
WT-22-464	Swamp	Ws07	Outside Y23 Footprint	0.65	26	16.84	0	-	0	0	0	No Impact
WT-22-465	Swamp	Ws07	Mine Site	9.05	27	244.43	8.55	Mine Site	94.47	1	100	High Impact
WT-22-468	Fen	Wf01	Outside Y23 Footprint	0.44	28	12.22	0	-	0	0	0	No Impact
WT-22-469	Swamp	Ws08	Outside Y23 Footprint	1.3	26	33.82	0	-	0	0	0	No Impact
WT-22-470	SOW	Ww	Outside Y23 Footprint	0.08	30	2.54	0	-	0	0	0	No Impact
WT-22-471	Bog	Wb05	Outside Y23 Footprint	0.46	27	12.45	0	-	0	0	0	No Impact
WT-22-472	Fen	Wf02	Outside Y23 Footprint	0.25	28	6.94	0	-	0	0	0	No Impact
WT-22-474	Bog	Wb05	Outside Y23 Footprint	0.08	27	2.17	0	-	0	0	0	No Impact
WT-22-475A	Fen	Wf03	Outside Y23 Footprint	0.29	28	8.01	0	-	0	0	0	No Impact
WT-22-475B	Fen	Wf08	Outside Y23 Footprint	0.2	28	5.55	0	-	0	0	0	No Impact
WT-22-476	Fen	Wf03	Outside Y23 Footprint	0.36	28	10.06	0	-	0	1	2.99	Moderate Impact
WT-22-477	Bog	Wb05	Outside Y23 Footprint	0.23	27	6.22	0	-	0	1	2.99	Moderate Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-425A	0.15	0	1	0	0	0	0	-124.8274169	53.20536593
WT-22-425B	0.3	0	1	0	0	0	0	-124.8276092	53.2055784
WT-22-427	2.75	0	1	0	0	0	0	-124.8362585	53.20987775
WT-22-428	0	100	1	28.96	0	28.96	100	-124.8457541	53.21183715
WT-22-429A	0.12	0	1	0	0	0	0	-124.8427432	53.21749488
WT-22-429B	0.05	0	1	0	0	0	0	-124.842915	53.21755628
WT-22-432	0.01	90.67	1	3.74	0.38	4.12	100	-124.8475936	53.22151543
WT-22-433	0.43	0.8	1	0.1	0	0.1	0.8	-124.8383633	53.22552561
WT-22-435	0.18	0	1	0	0	0	0	-124.8381137	53.22616618
WT-22-436	0.14	52.42	1	4.47	4.06	8.53	100	-124.8516231	53.22289546
WT-22-438	0	100	1	6.38	0	6.38	100	-124.8532476	53.22171607
WT-22-439	0.23	0	0	0	0	0	0	-124.9245171	53.18429873
WT-22-440	0	100	1	7.54	0	7.54	100	-124.8627507	53.21894012
WT-22-441	0	100	1	1.59	0	1.59	100	-124.86601	53.21843628
WT-22-442	0	100	1	1.74	0	1.74	100	-124.8672378	53.21843553
WT-22-443	0	100	1	15	0	15	100	-124.8813233	53.2132602
WT-22-449	0	100	1	3.14	0	3.14	100	-124.847099	53.19534507
WT-22-450	2	0	1	0	0	0	0	-124.8539117	53.18993352
WT-22-451A	2.16	0	1	0	0	0	0	-124.863676	53.18661359
WT-22-451B	0.35	0	1	0	0	0	0	-124.8613057	53.18690731
WT-22-451C	0.67	19.91	1	4.68	0	4.68	19.91	-124.8663104	53.18692884
WT-22-452	0.29	0	1	0	0	0	0	-124.8628275	53.18716759
WT-22-453	0.14	61.69	1	6.09	3.78	9.87	100	-124.8564573	53.18309208
WT-22-454	0.59	0	0	0	0	0	0	-124.9192812	53.19480461
WT-22-456	0.23	81.89	1	26.9	5.95	32.85	100	-124.8815332	53.22801628
WT-22-457	0.41	0	0	0	0	0	0	-124.8835864	53.23119172
WT-22-459	0	100	1	1.59	0	1.59	100	-124.8666565	53.22098873
WT-22-460	1.32	0	0	0	0	0	0	-124.9040426	53.21718536
WT-22-461	0.18	0	0	0	0	0	0	-124.91531	53.18515013
WT-22-462	0.04	0	0	0	0	0	0	-124.9147553	53.18590551
WT-22-463	0.27	0	0	0	0	0	0	-124.844573	53.22824013
WT-22-464	0.65	0	0	0	0	0	0	-124.860487	53.23566719
WT-22-465	0.5	94.47	1	230.9	13.53	244.43	100	-124.8510628	53.21696642
WT-22-468	0.44	0	0	0	0	0	0	-124.8402934	53.16598537
WT-22-469	1.3	0	0	0	0	0	0	-124.8284667	53.18747415
WT-22-470	0.08	0	0	0	0	0	0	-124.8402434	53.16923631
WT-22-471	0.46	0	0	0	0	0	0	-124.9189381	53.18219399
WT-22-472	0.25	0	0	0	0	0	0	-124.9218742	53.19872026
WT-22-474	0.08	0	0	0	0	0	0	-124.9206469	53.1825556
WT-22-475A	0.29	0	0	0	0	0	0	-124.9193337	53.18341671
WT-22-475B	0.2	0	0	0	0	0	0	-124.9196754	53.18322341
WT-22-476	0.36	0	1	0	0	0	0	-124.8921243	53.18166471
WT-22-477	0.23	0	1	0	0	0	0	-124.8884465	53.17960993

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-478	Bog	Wb05	Outside Y23 Footprint	0.51	27	13.77	0	-	0	1	2.99	Moderate Impact
WT-22-480A	Fen	Wf08	Mine Site	0.72	29	20.98	0.72	Mine Site	100	1	100	High Impact
WT-22-480B	Bog	Wb05	Mine Site	0.09	27	2.46	0.09	Mine Site	100	1	100	High Impact
WT-22-481	Fen	Wf02	Mine Site	0.77	28	21.49	0.77	Mine Site	100	1	100	High Impact
WT-22-482A	Swamp	Ws08	Outside Y23 Footprint	0.17	26	4.51	0	-	0	0	0	No Impact
WT-22-482B	Swamp	Ws08	Outside Y23 Footprint	0.17	26	4.31	0	-	0	0	0	No Impact
WT-22-482C	Marsh	Wm01	Outside Y23 Footprint	0.07	29	2.04	0	-	0	0	0	No Impact
WT-22-486A	Bog	Wb05	Outside Y23 Footprint	0.16	27	4.44	0	-	0	0	0	No Impact
WT-22-486B	SOW	Ww	Outside Y23 Footprint	0.02	30	0.58	0	-	0	0	0	No Impact
WT-22-487	Bog	Wb05	Outside Y23 Footprint	0.76	27	20.46	0	-	0	0	0	No Impact
WT-22-488	Bog	Wb05	Outside Y23 Footprint	0.19	27	5.19	0	-	0	0	0	No Impact
WT-22-490	Fen	Wf01	Outside Y23 Footprint	0.18	28	5.06	0	-	0	1	0	Moderate Impact
WT-22-491	Bog	Wb05	Outside Y23 Footprint	0.71	27	19.06	0	-	0	1	0	Moderate Impact
WT-22-492	Bog	Wb05	Outside Y23 Footprint	0.49	27	13.15	0	-	0	1	0	Moderate Impact
WT-22-493	Bog	Wb05	Outside Y23 Footprint	0.28	27	7.61	0	-	0	1	0	Moderate Impact
WT-22-494	Bog	Wb08	Mine Site	0.11	27	3.09	0.11	Mine Site	99.4	1	100	High Impact
WT-22-497	Bog	Wb13	Mine Site	0.15	26	3.86	0.15	Mine Site	100	1	100	High Impact
WT-22-498	Marsh	Wm01	Outside Y23 Footprint	0.3	29	8.61	0	-	0	1	0	Moderate Impact
WT-22-499	Fen	Wf01	Outside Y23 Footprint	0.32	28	9.07	0	-	0	0	0	No Impact
WT-22-500	Fen	Wf01	Outside Y23 Footprint	0.03	28	0.71	0	-	0	0	0	No Impact
WT-22-501A	SOW	Ww	Outside Y23 Footprint	0.03	30	0.97	0	-	0	0	0	No Impact
WT-22-501B	Fen	Wf01	Outside Y23 Footprint	0.04	28	1.18	0	-	0	0	0	No Impact
WT-22-505	Bog	Wb05	Mine Site	0.15	27	4.01	0.15	Mine Site	100	1	100	High Impact
WT-22-506	Swamp	Ws08	Mine Site	1.66	26	43.17	1.66	Mine Site	100	1	100	High Impact
WT-22-509	Swamp	Ws04	Mine Site	0.51	26	13.34	0.51	Mine Site	100	1	100	High Impact
WT-22-510A	Swamp	Ws07	Mine Site	1.16	29	33.56	1.16	Mine Site	100	1	100	High Impact
WT-22-510B	Swamp	Ws07	Mine Site	0.23	26	5.85	0.23	Mine Site	100	1	100	High Impact
WT-22-511	Bog	Wb05	Mine Site	1.13	27	30.6	1.13	Mine Site	100	1	100	High Impact
WT-22-512	Fen	Wf02	Mine Site	0.47	28	13.3	0.47	Mine Site	100	1	100	High Impact
WT-22-513	Bog	Wb05	Mine Site	0.11	27	3.09	0.11	Mine Site	100	1	100	High Impact
WT-22-514	Fen	Wf01	Mine Site	0.37	28	10.25	0.37	Mine Site	100	1	100	High Impact
WT-22-515	Bog	Wb05	Mine Site	0.61	27	16.36	0.61	Mine Site	100	1	100	High Impact
WT-22-516	Fen	Wf01	Mine Site	0.02	28	0.49	0.02	Mine Site	100	1	100	High Impact
WT-22-517	Fen	Wf01	Mine Site	0.05	28	1.49	0.05	Mine Site	100	1	100	High Impact
WT-22-518	Bog	Wb13	Mine Site	0.09	29	2.55	0.09	Mine Site	100	1	100	High Impact
WT-22-519	SOW	Ww	Mine Site	0.13	30	3.88	0.13	Mine Site	100	1	100	High Impact
WT-22-520	Bog	Wb05	Mine Site	0.11	27	3.05	0.11	Mine Site	100	1	100	High Impact
WT-22-521	Bog	Wb05	Mine Site	0.21	27	5.54	0.21	Mine Site	100	1	100	High Impact
WT-22-522	Fen	Wf01	Mine Site	0.05	28	1.37	0.05	Mine Site	100	1	0	High Impact
WT-22-523	Bog	Wb05	Mine Site	0.17	27	4.7	0.17	Mine Site	100	1	0	High Impact
WT-22-524	Bog	Wb08	Mine Site	0.13	27	3.58	0.13	Mine Site	100	1	100	High Impact
WT-22-525	Marsh	Wm01	Outside Y23 Footprint	0.1	29	2.77	0	-	0	1	0	Moderate Impact
WT-22-526	SOW	Ww	Outside Y23 Footprint	0.06	30	1.71	0	-	0	1	4.54	Moderate Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-478	0.51	0	1	0	0	0	0	-124.8887296	53.1804963
WT-22-480A	0	100	1	20.98	0	20.98	100	-124.8703489	53.22474309
WT-22-480B	0	100	1	2.46	0	2.46	100	-124.869885	53.22512949
WT-22-481	0	100	1	21.49	0	21.49	100	-124.8719463	53.22489506
WT-22-482A	0.17	0	0	0	0	0	0	-124.9260011	53.18205025
WT-22-482B	0.17	0	0	0	0	0	0	-124.9252019	53.18351798
WT-22-482C	0.07	0	0	0	0	0	0	-124.925362	53.18279313
WT-22-486A	0.16	0	0	0	0	0	0	-124.9226549	53.18293963
WT-22-486B	0.02	0	0	0	0	0	0	-124.9224094	53.1832071
WT-22-487	0.76	0	0	0	0	0	0	-124.9214277	53.18175902
WT-22-488	0.19	0	0	0	0	0	0	-124.9234015	53.18117095
WT-22-490	0.18	0	1	0	0	0	0	-124.8609265	53.1865305
WT-22-491	0.71	0	1	0	0	0	0	-124.8602855	53.18655784
WT-22-492	0.49	0	1	0	0	0	0	-124.857331	53.18724102
WT-22-493	0.28	0	1	0	0	0	0	-124.8556491	53.1880396
WT-22-494	0	99.4	1	3.07	0.02	3.09	100	-124.8672169	53.19768432
WT-22-497	0	100	1	3.86	0	3.86	100	-124.8657412	53.19799384
WT-22-498	0.3	0	1	0	0	0	0	-124.9192397	53.18660346
WT-22-499	0.32	0	0	0	0	0	0	-124.9210621	53.18555143
WT-22-500	0.03	0	0	0	0	0	0	-124.9217638	53.18479952
WT-22-501A	0.03	0	0	0	0	0	0	-124.9219518	53.18386636
WT-22-501B	0.04	0	0	0	0	0	0	-124.9221347	53.18387179
WT-22-505	0	100	1	4.01	0	4.01	100	-124.9063465	53.19368881
WT-22-506	0	100	1	43.17	0	43.17	100	-124.9040601	53.19405764
WT-22-509	0	100	1	13.34	0	13.34	100	-124.8779868	53.22641247
WT-22-510A	0	100	1	33.56	0	33.56	100	-124.8759564	53.22595016
WT-22-510B	0	100	1	5.85	0	5.85	100	-124.8743531	53.22547883
WT-22-511	0	100	1	30.6	0	30.6	100	-124.8730064	53.22454604
WT-22-512	0	100	1	13.3	0	13.3	100	-124.8741302	53.22458706
WT-22-513	0	100	1	3.09	0	3.09	100	-124.874597	53.22459717
WT-22-514	0	100	1	10.25	0	10.25	100	-124.8709994	53.22450124
WT-22-515	0	100	1	16.36	0	16.36	100	-124.8700286	53.22416635
WT-22-516	0	100	1	0.49	0	0.49	100	-124.8664375	53.22202447
WT-22-517	0	100	1	1.49	0	1.49	100	-124.8659309	53.22212054
WT-22-518	0	100	1	2.55	0	2.55	100	-124.8579345	53.22254744
WT-22-519	0	100	1	3.88	0	3.88	100	-124.8564404	53.22273297
WT-22-520	0	100	1	3.05	0	3.05	100	-124.8584047	53.22252879
WT-22-521	0	100	1	5.54	0	5.54	100	-124.8558091	53.22324359
WT-22-522	0	100	1	1.37	0	1.37	100	-124.8548468	53.22426533
WT-22-523	0	100	1	4.7	0	4.7	100	-124.8584339	53.22372339
WT-22-524	0	100	1	3.58	0	3.58	100	-124.8515575	53.22039768
WT-22-525	0.1	0	1	0	0	0	0	-124.840437	53.22343525
WT-22-526	0.06	0	1	0	0	0	0	-124.8380256	53.22616918

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-527	Bog	Wb05	Outside Y23 Footprint	0.49	27	13.24	0	-	0	1	11.75	Moderate Impact
WT-22-528	Bog	Wb08	Mine Site	0.1	27	2.81	0	Mine Site	4.54	1	4.54	Moderate Impact
WT-22-529A	Bog	Wb05	Mine Site	0.28	27	7.44	0.03	Mine Site	11.75	1	49.63	Moderate Impact
WT-22-529B	SOW	Ww	Mine Site	0.03	30	0.88	0.01	Mine Site	49.63	1	49.63	Moderate Impact
WT-22-531	Fen	Wf01	Mine Site	0.07	28	1.95	0.07	Mine Site	100	1	100	High Impact
WT-22-533	Swamp	Ws07	Mine Site	1.1	26	28.52	0.09	Mine Site	7.93	1	100	Moderate Impact
WT-22-534	Swamp	Ws07	Mine Site	1.21	26	31.38	1.16	Mine Site	95.85	1	100	High Impact
WT-22-535	Fen	Wf04	Mine Site	0.53	28	14.96	0.53	Mine Site	100	1	100	High Impact
WT-22-537	Bog	Wb08	Mine Site	2.31	27	62.34	0.12	Mine Site	5.09	1	5.09	Moderate Impact
WT-22-538	Bog	Wb05	Mine Site	0.84	27	22.73	0.06	Mine Site	6.72	1	15.09	Moderate Impact
WT-22-540A	Marsh	Wm01	Outside Y23 Footprint	0.04	29	1.3	0	-	0	1	0	Moderate Impact
WT-22-540B	SOW	Ww	Outside Y23 Footprint	0.02	30	0.65	0	-	0	1	0	Moderate Impact
WT-22-541	Fen	Wf02	Outside Y23 Footprint	0.04	28	1.23	0	-	0	1	0	Moderate Impact
WT-22-542	Fen	Wf03	Outside Y23 Footprint	0.18	28	5.13	0	-	0	0	9.08	No Impact
WT-22-544	Bog	Wb05	Mine Site	0.44	27	11.76	0.04	Mine Site	9.08	0	9.08	Low Impact
WT-22-546	Swamp	Ws08	Outside Y23 Footprint	0.24	26	6.26	0	-	0	0	0	No Impact
WT-22-547	Fen	Wf03	Outside Y23 Footprint	0.3	28	8.48	0	-	0	0	0	No Impact
WT-22-549	Bog	Wb05	Outside Y23 Footprint	0.07	27	1.78	0	-	0	0	0	No Impact
WT-22-551	Fen	Wf03	Outside Y23 Footprint	0.19	28	5.38	0	-	0	0	0	No Impact
WT-22-552	Bog	Wb08	Outside Y23 Footprint	0.52	27	14.15	0	-	0	0	0	No Impact
WT-22-558	Bog	Wb05	Mine Site	0.11	27	2.89	0.11	Mine Site	100	1	100	High Impact
WT-22-559	Bog	Wb08	Mine Site	0.7	26	18.29	0.7	Mine Site	100	1	100	High Impact
WT-22-561	Bog	Wb08	Mine Site	0.21	27	5.66	0.21	Mine Site	100	1	100	High Impact
WT-22-569A	Swamp	Ws08	Mine Site	0.39	26	10.1	0.01	Mine Site	1.74	1	39.83	Moderate Impact
WT-22-569B	Bog	Wb05	Mine Site	0.2	27	5.43	0.08	Mine Site	39.83	1	39.83	Moderate Impact
WT-22-570	Fen	Wf02	Mine Site	0.13	28	3.52	0.03	Mine Site	22.77	1	39.83	Moderate Impact
WT-22-574	Swamp	Ws08	Mine Site	0.45	26	11.74	0.45	Mine Site	100	1	0	High Impact
WT-22-576	Fen	Wf01	Outside Y23 Footprint	0.12	28	3.41	0	-	0	0	0	No Impact
WT-22-580	Bog	Wb08	Outside Y23 Footprint	0.14	27	3.82	0	-	0	0	0	No Impact
WT-22-581	Fen	Wf03	Outside Y23 Footprint	0.14	28	3.97	0	-	0	0	0	No Impact
WT-22-582	Fen	Wf03	Outside Y23 Footprint	0.05	28	1.27	0	-	0	0	0	No Impact
WT-22-584	Bog	Wb08	Outside Y23 Footprint	1.6	27	43.26	0	-	0	0	0	No Impact
WT-22-585	Swamp	Ws08	Outside Y23 Footprint	1.22	26	31.82	0	-	0	0	0	No Impact
WT-22-586	Fen	Wf01	Outside Y23 Footprint	0.13	28	3.52	0	-	0	0	0	No Impact
WT-22-587A	Bog	Wb08	Outside Y23 Footprint	1.03	27	27.76	0	-	0	0	0	No Impact
WT-22-587B	Swamp	Ws08	Outside Y23 Footprint	0.42	26	10.98	0	-	0	0	0	No Impact
WT-22-588	Bog	Wb08	Outside Y23 Footprint	0.48	27	12.9	0	-	0	0	0	No Impact
WT-22-592A	Bog	Wb05	Outside Y23 Footprint	0.36	27	9.84	0	-	0	0	0	No Impact
WT-22-592B	Fen	Wf13	Outside Y23 Footprint	0.11	28	3.16	0	-	0	0	0	No Impact
WT-22-594	Swamp	Ws08	Mine Site	0.8	25	19.96	0.01	Mine Site	1.12	1	1.12	Moderate Impact
WT-22-595	Bog	Wb05	Outside Y23 Footprint	0.38	28	10.69	0	-	0	1	2.99	Moderate Impact
WT-22-596	Fen	Wf07	Outside Y23 Footprint	0.62	28	17.34	0	-	0	1	2.99	Moderate Impact
WT-22-597	Fen	Wf03	Outside Y23 Footprint	0.11	28	3.21	0	-	0	1	0	Moderate Impact

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-001A	Swamp	Ws04	Mine Access Road	4.2	26	109.19	0.02	Mine Access Road	0.44	0	1.42	Low Impact
WT-22-001B	Swamp	Ws04	Mine Access Road	2.01	26	52.33	0.03	Mine Access Road	1.42	0	1.42	Low Impact
WT-22-002	Fen	Wf02	Outside Y23 Footprint	7.89	28	220.96	0	-	0	0	0	No Impact
WT-22-003A	Swamp	Ws04	Transmission Line	8.68	26	225.81	0.24	Transmission Line ROW Roads	2.71	0	10.88	Low Impact
WT-22-003B	Swamp	Ws04	Transmission Line	4.57	26	118.71	0.02	Transmission Line ROW Roads	0.42	0	0.42	Low Impact
WT-22-004	Swamp	Ws07	Outside Y23 Footprint	2.66	26	69.19	0	-	0	0	7.17	No Impact
WT-22-005	Fen	Wf01	Outside Y23 Footprint	1.05	28	29.3	0	-	0	0	10.88	No Impact
WT-22-006	Swamp	Ws04	Outside Y23 Footprint	2.21	26	57.56	0	-	0	0	10.88	No Impact
WT-22-007	Swamp	Ws07	Outside Y23 Footprint	2.5	26	64.9	0	-	0	0	4.37	No Impact
WT-22-008A	Swamp	Ws07	Transmission Line	1.92	26	49.84	0.14	Transmission Line Tower	7.17	0	7.17	Low Impact
WT-22-008B	Swamp	Ws07	Outside Y23 Footprint	0.06	26	1.64	0	-	0	0	0.3	No Impact
WT-22-008C	Swamp	Ws07	Outside Y23 Footprint	0.04	26	1.08	0	-	0	0	7.17	No Impact
WT-22-009	Fen	Wf02	Outside Y23 Footprint	2.17	28	60.7	0	-	0	0	0.42	No Impact
WT-22-010	Bog	Wb01	Outside Y23 Footprint	2.22	27	59.99	0	-	0	0	0.42	No Impact
WT-22-011	Fen	Wf08	Transmission Line	5.84	28	163.48	0	Transmission Line ROW Roads	0.07	0	10.88	Low Impact
WT-22-012A	Swamp	Ws04	Outside Y23 Footprint	0.21	26	5.39	0	-	0	0	4.4	No Impact
WT-22-012B	Swamp	Ws07	Transmission Line	0.6	26	15.48	0.03	Transmission Line Tower	4.4	0	4.4	Low Impact
WT-22-012C	Swamp	Ws07	Transmission Line	0.1	26	2.61	0	Transmission Line ROW Roads	4.37	0	4.4	Low Impact
WT-22-014	Swamp	Ws07	Outside Y23 Footprint	3.32	26	86.27	0	-	0	0	0	No Impact
WT-22-015	Swamp	Ws04	Transmission Line	14.59	26	379.24	0.04	Transmission Line Tower	0.3	0	7.17	Low Impact
WT-22-017	Swamp	Ws07	Transmission Line	0.93	26	24.29	0.02	Transmission Line Tower	2.18	0	0	Low Impact
WT-22-018	Swamp	Ws07	Outside Y23 Footprint	9.28	26	241.2	0	-	0	0	0	No Impact
WT-22-021	Swamp	Ws07	Outside Y23 Footprint	1.38	26	35.9	0	-	0	0	0	No Impact
WT-22-023	Fen	Wf01	Transmission Line	0.18	28	5	0.01	Transmission Line Tower	4.13	0	2.24	Low Impact
WT-22-024	Fen	Wf01	Outside Y23 Footprint	0.31	28	8.82	0	-	0	0	3.66	No Impact
WT-22-025A	SOW	Ww	Outside Y23 Footprint	1.95	30	58.59	0	-	0	0	0	No Impact
WT-22-025B	SOW	Ww	Outside Y23 Footprint	0.08	30	2.3	0	-	0	0	0	No Impact
WT-22-026	Bog	Wb08	Outside Y23 Footprint	2.08	27	56.11	0	-	0	0	0	No Impact
WT-22-027	Fen	Wf01	Transmission Line	0.42	26	10.97	0.02	Transmission Line ROW Roads	3.66	0	3.66	Low Impact
WT-22-028A	Fen	Wf01	Outside Y23 Footprint	5.08	28	142.37	0	-	0	0	0	No Impact
WT-22-028B	Fen	Wf02	Outside Y23 Footprint	0.82	28	23.05	0	-	0	0	0	No Impact
WT-22-028C	Fen	Wf02	Outside Y23 Footprint	0.36	28	10.11	0	-	0	0	0	No Impact
WT-22-029	Bog	Wb05	Outside Y23 Footprint	1.25	27	33.74	0	-	0	0	0	No Impact
WT-22-030	Swamp	Ws07	Outside Y23 Footprint	2.22	26	57.72	0	-	0	0	0	No Impact
WT-22-031	Swamp	Ws07	Transmission Line	2.68	26	69.57	0.03	Transmission Line ROW Roads	0.97	0	0	Low Impact
WT-22-033	Swamp	Ws07	Transmission Line	1.99	26	51.76	0.02	Transmission Line ROW Roads	1.11	0	0	Low Impact
WT-22-035	Bog	Wb05	Outside Y23 Footprint	1.06	27	28.51	0	-	0	0	0	No Impact
WT-22-036	Swamp	Ws07	Transmission Line	0.51	26	13.22	0.02	Transmission Line ROW Roads	3.73	0	0	Low Impact
WT-22-037A	Swamp	Ws07	Outside Y23 Footprint	2.87	26	74.61	0	-	0	0	0	No Impact
WT-22-037B	Swamp	Ws07	Outside Y23 Footprint	0.18	26	4.7	0	-	0	0	0	No Impact
WT-22-037C	Swamp	Ws07	Outside Y23 Footprint	0.46	26	11.83	0	-	0	0	0	No Impact
WT-22-039	Swamp	Ws07	Transmission Line	0.29	26	7.48	0.01	Transmission Line ROW Roads	3.35	0	0	Low Impact
WT-22-040	Swamp	Ws07	Outside Y23 Footprint	0.54	26	14.11	0	-	0	0	0	No Impact
WT-22-042A	Swamp	Ws07	Outside Y23 Footprint	5.69	26	147.99	0	-	0	0	0	No Impact

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-001A	4.18	26	108.670556	0.48	0	0.48	0.44	-124.822792	53.28799606
WT-22-001B	1.98	26	51.563977	0.74	0	0.74	1.42	-124.817141	53.29019855
WT-22-002	7.89	28	220.856302	0	0	0	0	-124.786252	53.30487551
WT-22-003A	8.45	26	219.580822	6.13	0	6.13	2.71	-124.757418	53.31568946
WT-22-003B	4.55	26	118.151538	0.5	0	0.5	0.42	-124.761128	53.31702791
WT-22-004	2.66	26	69.160071	0	0	0	0	-124.752708	53.31610509
WT-22-005	1.05	28	29.288113	0	0	0	0	-124.757114	53.31397145
WT-22-006	2.21	26	57.535323	0	0	0	0	-124.75778	53.3148098
WT-22-007	2.5	26	64.868027	0	0	0	0	-124.748658	53.31571637
WT-22-008A	1.78	26	46.241077	3.57	0	3.57	7.17	-124.754322	53.31686692
WT-22-008B	0.06	26	1.639547	0	0	0	0	-124.753561	53.318615
WT-22-008C	0.04	26	1.079383	0	0	0	0	-124.752436	53.31834305
WT-22-009	2.17	28	60.667922	0	0	0	0	-124.762119	53.31774806
WT-22-010	2.22	27	59.959476	0	0	0	0	-124.763895	53.31863675
WT-22-011	5.83	28	163.2915	0.11	0	0.11	0.07	-124.756542	53.31865252
WT-22-012A	0.21	26	5.388961	0	0	0	0	-124.748755	53.32017777
WT-22-012B	0.57	26	14.793168	0.68	0	0.68	4.4	-124.748732	53.32017169
WT-22-012C	0.1	26	2.490833	0.11	0	0.11	4.37	-124.749818	53.31898218
WT-22-014	3.32	26	86.229535	0	0	0	0	-124.729864	53.32337138
WT-22-015	14.54	26	377.907785	1.15	0	1.15	0.3	-124.750942	53.32228928
WT-22-017	0.91	26	23.750478	0.53	0	0.53	2.18	-124.71709	53.32215057
WT-22-018	9.28	26	241.078291	0	0	0	0	-124.682755	53.32424446
WT-22-021	1.38	26	35.87743	0	0	0	0	-124.682258	53.33129812
WT-22-023	0.17	28	4.795145	0.21	0	0.21	4.13	-124.649069	53.34487608
WT-22-024	0.31	28	8.814632	0	0	0	0	-124.654092	53.3559532
WT-22-025A	1.95	30	58.56272	0	0	0	0	-124.651391	53.35559824
WT-22-025B	0.08	30	2.302937	0	0	0	0	-124.652598	53.35510618
WT-22-026	2.08	27	56.083077	0	0	0	0	-124.658181	53.35535453
WT-22-027	0.41	26	10.566252	0.4	0	0.4	3.66	-124.654498	53.35694602
WT-22-028A	5.08	28	142.295009	0	0	0	0	-124.650657	53.35588993
WT-22-028B	0.82	28	23.038828	0	0	0	0	-124.646931	53.35736612
WT-22-028C	0.36	28	10.105997	0	0	0	0	-124.647476	53.35635815
WT-22-029	1.25	27	33.727756	0	0	0	0	-124.651094	53.35718277
WT-22-030	2.22	26	57.68926	0	0	0	0	-124.650253	53.35808938
WT-22-031	2.65	26	68.860637	0.67	0	0.67	0.97	-124.642704	53.36724702
WT-22-033	1.97	26	51.163613	0.57	0	0.57	1.11	-124.566192	53.42127531
WT-22-035	1.06	27	28.490138	0	0	0	0	-124.566751	53.42738931
WT-22-036	0.49	26	12.723477	0.49	0	0.49	3.73	-124.562401	53.43059149
WT-22-037A	2.87	26	74.573021	0	0	0	0	-124.559278	53.43431106
WT-22-037B	0.18	26	4.694611	0	0	0	0	-124.557411	53.43382741
WT-22-037C	0.46	26	11.826982	0	0	0	0	-124.56288	53.43391522
WT-22-039	0.28	26	7.229961	0.25	0	0.25	3.35	-124.54772	53.43615449
WT-22-040	0.54	26	14.105902	0	0	0	0	-124.544697	53.43635252
WT-22-042A	5.69	26	147.906688	0	0	0	0	-124.53533	53.44430734

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-042B	Swamp	Ws07	Outside Y23 Footprint	0.58	26	15.11	0	-	0	0	0	No Impact
WT-22-043	Swamp	Ws07	Outside Y23 Footprint	0.26	26	6.89	0	-	0	0	0	No Impact
WT-22-044	Swamp	Ws07	Transmission Line	2.76	26	71.84	0	Transmission Line Tower	0.03	0	0	Low Impact
WT-22-045	Bog	Wb05	Outside Y23 Footprint	5.11	27	138.01	0	-	0	0	0	No Impact
WT-22-051	Swamp	Ws04	Outside Y23 Footprint	1.02	26	26.51	0	-	0	0	8.29	No Impact
WT-22-052B	Swamp	Ws04	Outside Y23 Footprint	0.4	26	10.3	0	-	0	0	0	No Impact
WT-22-057	Fen	Wf02	Transmission Line	2.07	28	57.83	0.16	Transmission Line Tower	7.51	0	3.89	Low Impact
WT-22-064	Swamp	Ws07	Transmission Line	4.04	26	104.94	0.02	Transmission Line Tower	0.53	0	0	Low Impact
WT-22-065	Swamp	Ws07	Outside Y23 Footprint	0.46	26	12.08	0	-	0	0	0	No Impact
WT-22-066	Swamp	Ws07	Outside Y23 Footprint	0.44	26	11.36	0	-	0	0	0	No Impact
WT-22-067	Bog	Wb01	Outside Y23 Footprint	2.49	27	67.2	0	-	0	0	0	No Impact
WT-22-069	Swamp	Ws07	Outside Y23 Footprint	1.25	22	27.51	0	-	0	0	0	No Impact
WT-22-070	Swamp	Ws07	Outside Y23 Footprint	0.47	26	12.34	0	-	0	0	0	No Impact
WT-22-071	Bog	Wb01	Outside Y23 Footprint	0.8	30	23.91	0	-	0	0	0	No Impact
WT-22-072	Swamp	Ws07	Transmission Line	0.8	26	20.92	0	Transmission Line ROW Roads	0.17	0	0	Low Impact
WT-22-073	Swamp	Ws07	Transmission Line	0.44	26	11.56	0.02	Transmission Line ROW Roads	4.98	0	0	Low Impact
WT-22-076	Swamp	Ws07	Outside Y23 Footprint	1.01	26	26.38	0	-	0	0	0	No Impact
WT-22-079	Swamp	Ws04	Outside Y23 Footprint	0.71	26	18.38	0	-	0	0	0	No Impact
WT-22-080	Marsh	Wm01	Outside Y23 Footprint	1.24	29	35.94	0	-	0	0	0	No Impact
WT-22-081	Fen	Wf01	Outside Y23 Footprint	0.67	28	18.66	0	-	0	0	0	No Impact
WT-22-082	Swamp	Ws07	Outside Y23 Footprint	0.1	26	2.61	0	-	0	0	0	No Impact
WT-22-083	Fen	Wf01	Transmission Line	0.72	28	20.29	0.02	Transmission Line ROW Roads	2.88	0	21.46	Low Impact
WT-22-087	Bog	Wb05	Transmission Line	2.2	27	59.28	0.02	Transmission Line ROW Roads	0.98	0	0	Low Impact
WT-22-090	Swamp	Ws07	Outside Y23 Footprint	0.38	26	9.88	0	-	0	0	0	No Impact
WT-22-092	Swamp	Ws07	Transmission Line	4.56	26	118.66	0.12	Transmission Line Tower	2.67	0	0.6	Low Impact
WT-22-093	Fen	Wf01	Outside Y23 Footprint	1.33	28	37.29	0	-	0	0	0.6	No Impact
WT-22-095	SOW	Ww	Outside Y23 Footprint	0.22	30	6.49	0	-	0	0	0	No Impact
WT-22-098	Fen	Wf01	Outside Y23 Footprint	0.27	28	7.69	0	-	0	0	0	No Impact
WT-22-099	Fen	Wf01	Outside Y23 Footprint	0.07	28	2.04	0	-	0	0	0	No Impact
WT-22-100	Swamp	Ws07	Transmission Line	1.14	26	29.64	0.02	Transmission Line ROW Roads	1.75	0	0	Low Impact
WT-22-101	Swamp	Ws07	Outside Y23 Footprint	1.23	24	29.52	0	-	0	0	0	No Impact
WT-22-102	Swamp	Ws07	Transmission Line	2	26	52.03	0.05	Transmission Line ROW Roads	2.73	0	0	Low Impact
WT-22-103	Fen	Wf01	Outside Y23 Footprint	1.27	28	35.6	0	-	0	0	0	No Impact
WT-22-106	Swamp	Ws07	Outside Y23 Footprint	1.8	26	46.77	0	-	0	0	0	No Impact
WT-22-108	Swamp	Ws07	Transmission Line	5.21	26	135.47	0.03	Transmission Line ROW Roads	0.5	0	0	Low Impact
WT-22-109	Swamp	Ws07	Transmission Line	1.89	26	49.05	0.02	Transmission Line ROW Roads	1.29	0	0	Low Impact
WT-22-110	Swamp	Ws04	Outside Y23 Footprint	2.5	26	65.03	0	-	0	0	0	No Impact
WT-22-111	Fen	Wf01	Outside Y23 Footprint	0.13	28	3.67	0	-	0	0	1.94	No Impact
WT-22-112	Fen	Wf02	Transmission Line	1.25	28	34.89	0.02	Transmission Line ROW Roads	1.94	0	1.94	Low Impact
WT-22-113	Swamp	Ws07	Outside Y23 Footprint	1.36	26	35.43	0	-	0	0	0	No Impact
WT-22-114	Bog	Wb08	Outside Y23 Footprint	3.57	27	96.49	0	-	0	0	0	No Impact
WT-22-117	Swamp	Ws07	Outside Y23 Footprint	1.03	26	26.65	0	-	0	0	0	No Impact
WT-22-119	Swamp	Ws07	Outside Y23 Footprint	0.37	26	9.74	0	-	0	0	0	No Impact
WT-22-121	Swamp	Ws07	Outside Y23 Footprint	1.23	26	32.04	0	-	0	0	0	No Impact

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-042B	0.58	26	15.098467	0	0	0	0	-124.531772	53.4419664
WT-22-043	0.26	26	6.885468	0	0	0	0	-124.527163	53.4527813
WT-22-044	2.76	26	71.776915	0.02	0	0.02	0.03	-124.533171	53.4612339
WT-22-045	5.11	27	137.930566	0	0	0	0	-124.535262	53.47114498
WT-22-051	1.02	26	26.500836	0	0	0	0	-124.590527	53.53258417
WT-22-052B	0.4	26	10.296056	0	0	0	0	-124.591922	53.53426374
WT-22-057	1.91	28	53.462422	4.34	0	4.34	7.51	-124.570976	53.55629805
WT-22-064	4.01	26	104.335461	0.56	0	0.56	0.53	-124.701791	53.59118235
WT-22-065	0.46	26	12.077185	0	0	0	0	-124.702309	53.59433399
WT-22-066	0.44	26	11.351016	0	0	0	0	-124.715728	53.59450118
WT-22-067	2.49	27	67.166193	0	0	0	0	-124.699456	53.59439293
WT-22-069	1.25	22	27.501244	0	0	0	0	-124.716345	53.5958451
WT-22-070	0.47	26	12.334995	0	0	0	0	-124.719344	53.59686442
WT-22-071	0.8	30	23.902431	0	0	0	0	-124.712084	53.59454407
WT-22-072	0.8	26	20.875221	0.04	0	0.04	0.17	-124.733478	53.61739461
WT-22-073	0.42	26	10.980002	0.58	0	0.58	4.98	-124.734617	53.61825759
WT-22-076	1.01	26	26.370561	0	0	0	0	-124.744812	53.62477439
WT-22-079	0.71	26	18.36833	0	0	0	0	-124.7509	53.63107163
WT-22-080	1.24	29	35.927191	0	0	0	0	-124.748987	53.63178139
WT-22-081	0.67	28	18.651345	0	0	0	0	-124.757859	53.63306526
WT-22-082	0.1	26	2.611999	0	0	0	0	-124.759543	53.63378277
WT-22-083	0.7	28	19.693815	0.58	0	0.58	2.88	-124.761156	53.63457785
WT-22-087	2.17	27	58.675699	0.58	0	0.58	0.98	-124.786905	53.63843457
WT-22-090	0.38	26	9.879784	0	0	0	0	-124.799027	53.65399943
WT-22-092	4.44	26	115.439	3.16	0	3.16	2.67	-124.799795	53.66572077
WT-22-093	1.33	28	37.268979	0	0	0	0	-124.801222	53.66982716
WT-22-095	0.22	30	6.482964	0	0	0	0	-124.829223	53.69893449
WT-22-098	0.27	28	7.685975	0	0	0	0	-124.837906	53.71392624
WT-22-099	0.07	28	2.043286	0	0	0	0	-124.837428	53.71511791
WT-22-100	1.12	26	29.104474	0.52	0	0.52	1.75	-124.838779	53.71746076
WT-22-101	1.23	24	29.506497	0	0	0	0	-124.839887	53.71886223
WT-22-102	1.95	26	50.591473	1.42	0	1.42	2.73	-124.842458	53.72663754
WT-22-103	1.27	28	35.584226	0	0	0	0	-124.841697	53.73297111
WT-22-106	1.8	26	46.746202	0	0	0	0	-124.846904	53.75186201
WT-22-108	5.18	26	134.737217	0.68	0	0.68	0.5	-124.848678	53.76521027
WT-22-109	1.86	26	48.398545	0.63	0	0.63	1.29	-124.85385	53.77305698
WT-22-110	2.5	26	64.997737	0	0	0	0	-124.857955	53.78463803
WT-22-111	0.13	28	3.667533	0	0	0	0	-124.857947	53.78838677
WT-22-112	1.22	28	34.19552	0.68	0	0.68	1.94	-124.855625	53.7882982
WT-22-113	1.36	26	35.419015	0	0	0	0	-124.850586	53.79036947
WT-22-114	3.57	27	96.45245	0	0	0	0	-124.852122	53.8019274
WT-22-117	1.03	26	26.642047	0	0	0	0	-124.842538	53.8092715
WT-22-119	0.37	26	9.739356	0	0	0	0	-124.844444	53.83096774
WT-22-121	1.23	26	32.023417	0	0	0	0	-124.843563	53.84221425

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-128	Marsh	Wm01	Outside Y23 Footprint	2.42	29	70.2	0	-	0	0	0	No Impact
WT-22-129	Swamp	Ws07	Outside Y23 Footprint	1.53	26	39.67	0	-	0	0	0	No Impact
WT-22-130A	SOW	Ww	Outside Y23 Footprint	0.04	30	1.18	0	-	0	0	0	No Impact
WT-22-130B	SOW	Ww	Outside Y23 Footprint	0.04	30	1.16	0	-	0	0	0	No Impact
WT-22-135	Bog	Wb05	Outside Y23 Footprint	1.1	27	29.81	0	-	0	0	0	No Impact
WT-22-136A	Swamp	Ws04	Outside Y23 Footprint	1.36	26	35.43	0	-	0	0	0	No Impact
WT-22-136B	Swamp	Ws07	Outside Y23 Footprint	0.57	26	14.71	0	-	0	0	0	No Impact
WT-22-138	Swamp	Ws07	Outside Y23 Footprint	3.06	26	79.52	0	-	0	0	0	No Impact
WT-22-141	Swamp	Ws07	Outside Y23 Footprint	5.04	26	131.06	0	-	0	0	0	No Impact
WT-22-148	Swamp	Ws08	Outside Y23 Footprint	1.54	22	33.79	0	-	0	0	0	No Impact
WT-22-151	Bog	Wb05	Outside Y23 Footprint	4.96	27	133.8	0	-	0	0	0	No Impact
WT-22-154	Swamp	Ws07	Transmission Line	1.25	26	32.43	0.01	Transmission Line ROW Roads	0.6	0	0.6	Low Impact
WT-22-155	Swamp	Ws07	Transmission Line	0.1	26	2.61	0	Transmission Line Tower	3.74	0	0	Low Impact
WT-22-157	Bog	Wb08	Outside Y23 Footprint	6.22	27	168.05	0	-	0	0	0	No Impact
WT-22-160	Swamp	Ws07	Outside Y23 Footprint	0.5	26	13.1	0	-	0	0	0	No Impact
WT-22-161	Swamp	Ws07	Outside Y23 Footprint	3.1	26	80.65	0	-	0	0	0	No Impact
WT-22-163	Swamp	Ws04	Transmission Line	0.25	22	5.51	0.01	Transmission Line ROW Roads	3.01	0	0	Low Impact
WT-22-167	Swamp	Ws07	Outside Y23 Footprint	3.12	26	81.19	0	-	0	0	0	No Impact
WT-22-168	Swamp	Ws07	Transmission Line	0.34	26	8.73	0	Transmission Line ROW Roads	1.36	0	0	Low Impact
WT-22-176	Swamp	Ws04	Outside Y23 Footprint	2.24	26	58.15	0	-	0	0	0.42	No Impact
WT-22-177	Marsh	Wm01	Outside Y23 Footprint	0.71	29	20.55	0	-	0	0	0	No Impact
WT-22-178	Fen	Wf01	Outside Y23 Footprint	0.87	28	24.29	0	-	0	0	0	No Impact
WT-22-179	Swamp	Ws07	Outside Y23 Footprint	0.47	26	12.31	0	-	0	0	0	No Impact
WT-22-189	Swamp	Ws07	Airstrip Access Road	2.42	26	62.86	0	Airstrip and Airstrip Access Road	0.02	0	0.02	Low Impact
WT-22-190	Bog	Wb08	Transmission Line	2.43	27	65.55	0.02	Transmission Line Tower	0.75	0	36.4	Low Impact
WT-22-192	Swamp	Ws07	Transmission Line	4.53	26	117.86	0.17	Transmission Line Tower	3.75	0	14.44	Low Impact
WT-22-193	Bog	Wb08	Outside Y23 Footprint	2.31	27	62.47	0	-	0	0	1.98	No Impact
WT-22-195	Bog	Wb05	Mine Site	2.73	27	73.64	0.27	Mine Site	9.94	1	18.48	Moderate Impact
WT-22-196	Swamp	Ws07	Mine Access Road	10.15	26	263.8	0.14	Mine Access Road	1.36	0	18.38	Low Impact
WT-22-197	Swamp	Ws07	Outside Y23 Footprint	0.95	26	24.67	0	-	0	0	0	No Impact
WT-22-198	Fen	Wf01	Outside Y23 Footprint	1.67	28	46.71	0	-	0	0	0	No Impact
WT-22-200	Swamp	Ws07	Mine Site	4.3	26	111.82	0.12	Mine Site	2.87	1	18.38	Moderate Impact
WT-22-201	Swamp	Ws08	Mine Site	1.76	26	45.81	1.23	Mine Site	69.88	1	69.88	High Impact
WT-22-202A	Swamp	Ws07	Mine Access Road	12.26	26	318.81	0.04	Mine Access Road	0.34	0	27.2	Low Impact
WT-22-202B	Swamp	Ws08	Mine Site	3.51	29	101.78	0.95	Mine Site	27.2	1	27.2	Moderate Impact
WT-22-203A	Fen	Wf01	Outside Y23 Footprint	0.09	28	2.46	0	-	0	1	0	Moderate Impact
WT-22-203B	SOW	Ww	Outside Y23 Footprint	0.01	30	0.23	0	-	0	1	0	Moderate Impact
WT-22-204	Bog	Wb08	Transmission Line	2.05	29	59.58	0.05	Transmission Line ROW Roads	2.57	1	2.57	Moderate Impact
WT-22-205A	Fen	Wf01	Outside Y23 Footprint	0.27	28	7.52	0	-	0	1	14.44	Moderate Impact
WT-22-205B	SOW	Ww	Outside Y23 Footprint	0.06	30	1.73	0	-	0	1	14.44	Moderate Impact
WT-22-206	Swamp	Ws07	Mine Access Road	21.4	26	556.4	0.23	Mine Site	1.08	0	100	Moderate Impact
WT-22-208	Fen	Wf01	Outside Y23 Footprint	0.57	28	15.93	0	-	0	0	0	No Impact
WT-22-209	Bog	Wb08	Mine Site	0.14	27	3.82	0.03	Mine Site	18.35	1	27.2	Moderate Impact
WT-22-211	Marsh	Wm01	Outside Y23 Footprint	0.18	29	5.27	0	-	0	1	0	Moderate Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-128	2.42	29	70.166287	0	0	0	0	-124.808971	53.8948809
WT-22-129	1.53	26	39.650785	0	0	0	0	-124.802131	53.89786294
WT-22-130A	0.04	30	1.182334	0	0	0	0	-124.831073	53.95560066
WT-22-130B	0.04	30	1.160544	0	0	0	0	-124.828938	53.95627409
WT-22-135	1.1	27	29.798876	0	0	0	0	-124.906451	53.9965587
WT-22-136A	1.36	26	35.420092	0	0	0	0	-124.902404	53.99392505
WT-22-136B	0.57	26	14.701238	0	0	0	0	-124.90517	53.99504562
WT-22-138	3.06	26	79.488577	0	0	0	0	-124.941492	54.00767551
WT-22-141	5.04	26	131.006566	0	0	0	0	-124.956432	54.01149356
WT-22-148	1.54	22	33.779316	0	0	0	0	-124.811955	53.90865418
WT-22-151	4.96	27	133.734811	0	0	0	0	-124.70466	53.59626927
WT-22-154	1.24	26	32.222527	0.19	0	0.19	0.6	-124.79742	53.6689964
WT-22-155	0.1	26	2.506465	0.1	0	0.1	3.74	-124.741906	53.62418121
WT-22-157	6.22	27	167.961858	0	0	0	0	-124.526952	53.43933044
WT-22-160	0.5	26	13.089945	0	0	0	0	-124.842135	53.74608635
WT-22-161	3.1	26	80.616251	0	0	0	0	-124.848496	53.83661053
WT-22-163	0.24	22	5.344773	0.17	0	0.17	3.01	-124.861489	53.96809322
WT-22-167	3.12	26	81.155729	0	0	0	0	-124.897181	53.99193705
WT-22-168	0.33	26	8.609999	0.12	0	0.12	1.36	-124.853731	53.77078907
WT-22-176	2.24	26	58.120682	0	0	0	0	-124.756327	53.31245193
WT-22-177	0.71	29	20.535557	0	0	0	0	-124.750865	53.31392269
WT-22-178	0.87	28	24.279866	0	0	0	0	-124.754901	53.3127404
WT-22-179	0.47	26	12.303637	0	0	0	0	-124.682537	53.3277462
WT-22-189	2.42	26	62.823065	0.01	0	0.01	0.02	-124.823662	53.28290373
WT-22-190	2.41	27	65.03249	0.49	0	0.49	0.75	-124.811261	53.25089269
WT-22-192	4.36	26	113.387772	4.42	0	4.42	3.75	-124.809897	53.24252552
WT-22-193	2.31	27	62.443154	0	0	0	0	-124.810592	53.23115107
WT-22-195	2.46	27	66.29485	7.32	0	7.32	9.94	-124.820709	53.21031127
WT-22-196	10.01	26	260.093254	3.59	0	3.59	1.36	-124.81159	53.21029846
WT-22-197	0.95	26	24.66313	0	0	0	0	-124.807908	53.22234138
WT-22-198	1.67	28	46.684718	0	0	0	0	-124.80831	53.22018658
WT-22-200	4.18	26	108.566117	3.21	0	3.21	2.87	-124.823498	53.20222911
WT-22-201	0.53	0	0	32.01	13.8	45.81	100	-124.815934	53.19587452
WT-22-202A	12.22	26	317.579556	1.09	0	1.09	0.34	-124.815754	53.20304502
WT-22-202B	2.56	29	74.065376	27.68	0	27.68	27.2	-124.82165	53.19582498
WT-22-203A	0.09	28	2.457197	0	0	0	0	-124.821034	53.20106205
WT-22-203B	0.01	30	0.232052	0	0	0	0	-124.820768	53.2012466
WT-22-204	2	29	58.017099	1.53	0	1.53	2.57	-124.810733	53.24096941
WT-22-205A	0.27	28	7.513997	0	0	0	0	-124.812919	53.24141043
WT-22-205B	0.06	30	1.727444	0	0	0	0	-124.812831	53.24154288
WT-22-206	21.17	26	550.161118	6	0	6	1.08	-124.812458	53.23753486
WT-22-208	0.57	28	15.925464	0	0	0	0	-124.811877	53.22105074
WT-22-209	0.12	27	3.120999	0.7	0	0.7	18.35	-124.820339	53.19730217
WT-22-211	0.18	29	5.26572	0	0	0	0	-124.823612	53.20251367

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-212A	Marsh	Wm01	Mine Site	0.51	29	14.77	0	Mine Site	0.01	1	18.38	Moderate Impact
WT-22-212B	Marsh	Wm01	Mine Site	0.48	29	14.01	0.05	Mine Site	10.49	1	18.38	Moderate Impact
WT-22-213	Swamp	Ws07	Mine Site	1.76	26	45.67	0.32	Mine Site	18.38	1	18.38	Moderate Impact
WT-22-214	Bog	Wb08	Outside Y23 Footprint	0.29	27	7.92	0	-	0	1	1.36	Moderate Impact
WT-22-215A	Fen	Wf01	Outside Y23 Footprint	0.05	28	1.31	0	-	0	1	1.36	Moderate Impact
WT-22-215B	SOW	Ww	Outside Y23 Footprint	0.01	30	0.25	0	-	0	1	1.36	Moderate Impact
WT-22-216	Fen	Wf02	Mine Site	0.44	28	12.29	0.08	Mine Site	18.48	1	18.48	Moderate Impact
WT-22-217	Bog	Wb05	Outside Y23 Footprint	0.81	27	21.94	0	-	0	0	0	No Impact
WT-22-218	SOW	Ww	Outside Y23 Footprint	0.05	30	1.65	0	-	0	0	0	No Impact
WT-22-219	Swamp	Ws07	Mine Site	7.11	26	184.79	3.43	Mine Site	48.26	1	100	Moderate Impact
WT-22-220	Swamp	Ws04	Mine Site	0.63	25	15.72	0.63	Mine Site	100	1	100	High Impact
WT-22-221	SOW	Ww	Outside Y23 Footprint	0.04	30	1.27	0	-	0	1	0.1	Moderate Impact
WT-22-222	Swamp	Ws07	Transmission Line	5.88	26	152.86	0.01	Transmission Line ROW Roads	0.1	1	1.98	Moderate Impact
WT-22-223	Bog	Wb08	Transmission Line	1.44	27	38.93	0.03	Transmission Line ROW Roads	1.98	0	1.98	Low Impact
WT-22-224	Swamp	Ws07	Transmission Line	0.37	26	9.63	0	Transmission Line ROW Roads	0.56	0	1.98	Low Impact
WT-22-225	SOW	Ww	Outside Y23 Footprint	0.05	30	1.44	0	-	0	0	0	No Impact
WT-22-226	Marsh	Wm01	Outside Y23 Footprint	0.33	29	9.52	0	-	0	0	0	No Impact
WT-22-227	Swamp	Ws04	Mine Access Road	0.28	27	7.46	0.11	Mine Access Road	38.55	1	38.55	Moderate Impact
WT-22-228	Fen	Wf01	Outside Y23 Footprint	0.11	28	2.98	0	-	0	0	36.4	No Impact
WT-22-229	Bog	Wb08	Transmission Line	0.15	27	4.06	0.05	Transmission Line ROW Roads	36.4	0	36.4	Moderate Impact
WT-22-231	Bog	Wb08	Mine Access Road	0.34	27	9.15	0	Mine Access Road	0.13	1	14.44	Moderate Impact
WT-22-234	Bog	Wb05	Outside Y23 Footprint	1.4	27	37.67	0	-	0	0	0.42	No Impact
WT-22-235	Fen	Wf02	Outside Y23 Footprint	0.55	28	15.43	0	-	0	0	0.42	No Impact
WT-22-236	Swamp	Ws07	Transmission Line	1.3	26	33.69	0.14	Transmission Line Tower	10.88	0	10.88	Moderate Impact
WT-22-240	Bog	Wb08	Outside Y23 Footprint	0.6	27	16.22	0	-	0	0	0	No Impact
WT-22-241	Swamp	Ws07	Transmission Line	0.41	26	10.57	0.01	Transmission Line ROW Roads	1.37	0	0	Low Impact
WT-22-243	Fen	Wf01	Outside Y23 Footprint	0.59	28	16.63	0	-	0	0	0	No Impact
WT-22-244	Swamp	Ws07	Outside Y23 Footprint	0.88	26	22.94	0	-	0	0	0	No Impact
WT-22-245	Fen	Wf01	Outside Y23 Footprint	1.77	28	49.62	0	-	0	0	0	No Impact
WT-22-250	Bog	Wb05	Transmission Line	1.25	27	33.75	0.05	Transmission Line ROW Roads	3.89	0	3.89	Low Impact
WT-22-255	Bog	Wb01	Outside Y23 Footprint	0.36	27	9.64	0	-	0	0	0	No Impact
WT-22-257	Marsh	Wm01	Outside Y23 Footprint	0.21	29	6.12	0	-	0	0	0	No Impact
WT-22-260	Fen	Wf02	Outside Y23 Footprint	0.09	28	2.64	0	-	0	0	2.88	No Impact
WT-22-261	Fen	Wf01	Transmission Line	0.04	28	1.24	0.01	Transmission Line ROW Roads	21.46	0	21.46	Moderate Impact
WT-22-262	Fen	Wf01	Transmission Line	0.04	28	1.06	0	Transmission Line ROW Roads	6.91	0	0	Low Impact
WT-22-263	Fen	Wf01	Outside Y23 Footprint	0.06	28	1.68	0	-	0	0	0	No Impact
WT-22-268	Swamp	Ws07	Transmission Line	0.97	26	25.14	0.02	Transmission Line ROW Roads	2.14	0	0	Low Impact
WT-22-270	Fen	Wf02	Outside Y23 Footprint	0.08	28	2.37	0	-	0	0	0	No Impact
WT-22-271	Fen	Wf02	Outside Y23 Footprint	0.04	28	1.02	0	-	0	0	0	No Impact
WT-22-276	Marsh	Wm01	Outside Y23 Footprint	0.33	29	9.66	0	-	0	0	0	No Impact
WT-22-280	Marsh	Wm01	Outside Y23 Footprint	0.21	29	6.17	0	-	0	0	0	No Impact
WT-22-285	Swamp	Ws07	Transmission Line	1.58	26	41.14	0.02	Transmission Line ROW Roads	1.05	0	0	Low Impact
WT-22-287	Swamp	Ws04	Outside Y23 Footprint	1.26	26	32.75	0	-	0	0	0	No Impact
WT-22-290	Marsh	Wm01	Outside Y23 Footprint	0.22	29	6.51	0	-	0	0	0	No Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-212A	0.51	29	14.758559	0	0	0	0.01	-124.820881	53.20402362
WT-22-212B	0.43	29	12.535152	1.47	0	1.47	10.49	-124.819449	53.20537715
WT-22-213	1.43	26	37.255213	8.39	0	8.39	18.38	-124.819743	53.20468247
WT-22-214	0.29	27	7.914224	0	0	0	0	-124.817801	53.20772631
WT-22-215A	0.05	28	1.311187	0	0	0	0	-124.817943	53.20871456
WT-22-215B	0.01	30	0.247072	0	0	0	0	-124.818052	53.20874894
WT-22-216	0.36	28	10.016624	2.27	0	2.27	18.48	-124.820576	53.21002241
WT-22-217	0.81	27	21.931618	0	0	0	0	-124.807267	53.22151075
WT-22-218	0.05	30	1.648904	0	0	0	0	-124.812167	53.22151002
WT-22-219	3.68	26	95.575623	89.18	0	89.18	48.26	-124.83793	53.22201968
WT-22-220	0	0	0	15.72	0	15.72	100	-124.828073	53.22697826
WT-22-221	0.04	30	1.264613	0	0	0	0	-124.823792	53.22521072
WT-22-222	5.87	26	152.644796	0.15	0	0.15	0.1	-124.820541	53.22584883
WT-22-223	1.41	27	38.147532	0.77	0	0.77	1.98	-124.812168	53.23071188
WT-22-224	0.37	26	9.574133	0.05	0	0.05	0.56	-124.812465	53.23188746
WT-22-225	0.05	30	1.440434	0	0	0	0	-124.810265	53.22976025
WT-22-226	0.33	29	9.513477	0	0	0	0	-124.811578	53.2370828
WT-22-227	0.17	27	4.585091	2.88	0	2.88	38.55	-124.813979	53.23693506
WT-22-228	0.11	28	2.975793	0	0	0	0	-124.815283	53.25111078
WT-22-229	0.1	27	2.583697	1.48	0	1.48	36.4	-124.814866	53.25185351
WT-22-231	0.34	27	9.129195	0.01	0	0.01	0.13	-124.813284	53.2414735
WT-22-234	1.4	27	37.656532	0	0	0	0	-124.763454	53.3197647
WT-22-235	0.55	28	15.425281	0	0	0	0	-124.762042	53.31660524
WT-22-236	1.15	26	30.005554	3.67	0	3.67	10.88	-124.757963	53.31572
WT-22-240	0.6	27	16.213326	0	0	0	0	-124.651169	53.35751193
WT-22-241	0.4	26	10.416409	0.15	0	0.15	1.37	-124.648561	53.36283853
WT-22-243	0.59	28	16.625252	0	0	0	0	-124.565096	53.42738435
WT-22-244	0.88	26	22.922968	0	0	0	0	-124.546516	53.43737644
WT-22-245	1.77	28	49.595791	0	0	0	0	-124.525848	53.43867872
WT-22-250	1.2	27	32.420589	1.31	0	1.31	3.89	-124.5709	53.55737742
WT-22-255	0.36	27	9.632715	0	0	0	0	-124.713188	53.59470254
WT-22-257	0.21	29	6.112998	0	0	0	0	-124.719353	53.59692786
WT-22-260	0.09	28	2.638229	0	0	0	0	-124.760113	53.6338233
WT-22-261	0.03	28	0.975924	0.27	0	0.27	21.46	-124.762323	53.6342241
WT-22-262	0.04	28	0.988505	0.07	0	0.07	6.91	-124.771615	53.63444147
WT-22-263	0.06	28	1.681744	0	0	0	0	-124.771261	53.6341568
WT-22-268	0.95	26	24.587563	0.54	0	0.54	2.14	-124.782562	53.63440128
WT-22-270	0.08	28	2.371421	0	0	0	0	-124.786025	53.63736368
WT-22-271	0.04	28	1.021958	0	0	0	0	-124.786967	53.63740062
WT-22-276	0.33	29	9.655316	0	0	0	0	-124.797554	53.67150004
WT-22-280	0.21	29	6.163068	0	0	0	0	-124.842307	53.71977657
WT-22-285	1.57	26	40.694175	0.43	0	0.43	1.05	-124.851919	53.76969964
WT-22-287	1.26	26	32.736427	0	0	0	0	-124.853659	53.78073638
WT-22-290	0.22	29	6.504365	0	0	0	0	-124.844471	53.83081463

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-297	Swamp	Ws07	Transmission Line	2.54	26	66.14	0.07	Transmission Line Tower	2.73	0	0	Low Impact
WT-22-299	SOW	Ww	Outside Y23 Footprint	1.04	30	31.18	0	-	0	0	0	No Impact
WT-22-300	SOW	Ww	Outside Y23 Footprint	1.57	30	47.07	0	-	0	0	0	No Impact
WT-22-311	Swamp	Ws07	Outside Y23 Footprint	0.93	22	20.43	0	-	0	0	0	No Impact
WT-22-315	Swamp	Ws07	Outside Y23 Footprint	0.89	26	23.08	0	-	0	0	0	No Impact
WT-22-318	SOW	Ww	Outside Y23 Footprint	0.26	30	7.79	0	-	0	0	0	No Impact
WT-22-319	Swamp	Ws07	Outside Y23 Footprint	0.44	26	11.49	0	-	0	0	0	No Impact
WT-22-324	Marsh	Wm01	Outside Y23 Footprint	0.15	29	4.45	0	-	0	1	0	Moderate Impact
WT-22-325	SOW	Ww	Outside Y23 Footprint	0.04	30	1.17	0	-	0	1	0	Moderate Impact
WT-22-326	SOW	Ww	Outside Y23 Footprint	0.06	30	1.87	0	-	0	1	0	Moderate Impact
WT-22-327	Swamp	Ws08	Outside Y23 Footprint	3.31	26	86.1	0	-	0	1	0	Moderate Impact
WT-22-328A	Bog	Wb08	Outside Y23 Footprint	0.2	27	5.45	0	-	0	0	0	No Impact
WT-22-328B	Fen	Wf01	Outside Y23 Footprint	0.12	28	3.39	0	-	0	0	0	No Impact
WT-22-328C	Bog	Wb08	Outside Y23 Footprint	0.17	27	4.62	0	-	0	0	0	No Impact
WT-22-328D	Swamp	Ws08	Outside Y23 Footprint	0.64	26	16.68	0	-	0	0	0	No Impact
WT-22-328E	Swamp	Ws08	Outside Y23 Footprint	0.09	26	2.45	0	-	0	0	0	No Impact
WT-22-328F	Swamp	Ws08	Outside Y23 Footprint	0.13	26	3.32	0	-	0	0	0	No Impact
WT-22-328G	Swamp	Ws08	Outside Y23 Footprint	0.29	26	7.55	0	-	0	0	0	No Impact
WT-22-329	Marsh	Wm01	Mine Site	1.28	29	37.21	1.28	Mine Site	100	1	100	High Impact
WT-22-330	Swamp	Ws08	Mine Site	1.27	26	33.06	1.27	Mine Site	100	1	100	High Impact
WT-22-331	Swamp	Ws08	Outside Y23 Footprint	3.7	26	96.16	0	-	0	0	0	No Impact
WT-22-332	Fen	Wf08	Mine Site	3.07	31	95.17	3.07	Mine Site	100	1	100	High Impact
WT-22-333	Marsh	Wm00	Mine Site	0.86	29	24.95	0.86	Mine Site	100	1	100	High Impact
WT-22-334	SOW	Ww	Mine Site	2.05	30	61.62	1.2	Mine Site	58.37	1	100	High Impact
WT-22-335	Bog	Wb08	Mine Site	1.38	27	37.18	0.03	Mine Site	2.42	1	49.63	Moderate Impact
WT-22-336A	Swamp	Ws07	Mine Site	0.24	26	6.16	0.24	Mine Site	100	1	100	High Impact
WT-22-336B	Swamp	Ws07	Mine Site	0.25	26	6.37	0.25	Mine Site	100	1	100	High Impact
WT-22-336C	Swamp	Ws07	Mine Site	0.23	26	6.11	0.23	Mine Site	100	1	100	High Impact
WT-22-337	Bog	Wb08	Outside Y23 Footprint	0.45	27	12.07	0	-	0	0	9.08	No Impact
WT-22-338A	Swamp	Ws08	Mine Site	3.17	26	82.47	0.42	Mine Site	13.35	1	100	Moderate Impact
WT-22-338B	Swamp	Ws08	Mine Site	5.55	26	144.36	5.55	Mine Site	100	1	100	High Impact
WT-22-338C	Swamp	Ws08	Mine Site	0.7	26	18.13	0.7	Mine Site	100	1	100	High Impact
WT-22-338D	Swamp	Ws07	Mine Site	1.52	26	39.53	1.52	Mine Site	100	1	100	High Impact
WT-22-338E	Bog	Wb08	Mine Site	0.13	27	3.63	0.13	Mine Site	100	1	100	High Impact
WT-22-338F	Swamp	Ws08	Mine Site	0.09	26	2.46	0.09	Mine Site	100	1	100	High Impact
WT-22-340	Bog	Wb05	Outside Y23 Footprint	1.42	27	38.25	0	-	0	0	0	No Impact
WT-22-343	Bog	Wb05	Mine Site	7.22	27	194.93	0.03	Mine Site	0.42	0	69.88	Moderate Impact
WT-22-345A	Swamp	Ws08	Mine Site	1.61	26	41.89	0.31	Mine Site	19.12	1	99.41	Moderate Impact
WT-22-345B	Fen	Wf04	Mine Site	0.22	28	6.04	0.21	Mine Site	99.41	1	99.41	High Impact
WT-22-346	Marsh	Wm01	Outside Y23 Footprint	0.3	29	8.66	0	-	0	1	2.99	Moderate Impact
WT-22-347	Fen	Wf02	Outside Y23 Footprint	0.37	28	10.41	0	-	0	1	2.99	Moderate Impact
WT-22-348A	Fen	Wf13	Outside Y23 Footprint	0.18	28	5.12	0	-	0	1	23.74	Moderate Impact
WT-22-348B	Fen	Wf11	Outside Y23 Footprint	0.26	30	7.84	0	-	0	1	2.99	Moderate Impact
WT-22-349A	Fen	Wf02	Mine Site	0.79	28	22.15	0.79	Mine Site	100	1	100	High Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-297	2.47	26	64.308151	1.81	0	1.81	2.73	-124.812669	53.93835447
WT-22-299	1.04	30	31.16657	0	0	0	0	-124.822301	53.95260813
WT-22-300	1.57	30	47.053688	0	0	0	0	-124.817521	53.95324211
WT-22-311	0.93	22	20.426365	0	0	0	0	-124.918933	54.00275288
WT-22-315	0.89	26	23.072817	0	0	0	0	-124.963374	54.04510825
WT-22-318	0.26	30	7.787991	0	0	0	0	-125.003723	54.06753557
WT-22-319	0.44	26	11.483018	0	0	0	0	-125.001823	54.06841942
WT-22-324	0.15	29	4.446385	0	0	0	0	-124.821579	53.20125829
WT-22-325	0.04	30	1.171229	0	0	0	0	-124.821581	53.20120881
WT-22-326	0.06	30	1.871205	0	0	0	0	-124.821005	53.20099839
WT-22-327	3.31	26	86.059808	0	0	0	0	-124.859421	53.18678643
WT-22-328A	0.2	27	5.445552	0	0	0	0	-124.922086	53.18452377
WT-22-328B	0.12	28	3.392036	0	0	0	0	-124.920109	53.18492745
WT-22-328C	0.17	27	4.620471	0	0	0	0	-124.919529	53.18579028
WT-22-328D	0.64	26	16.670492	0	0	0	0	-124.92289	53.18595116
WT-22-328E	0.09	26	2.44894	0	0	0	0	-124.920595	53.18605478
WT-22-328F	0.13	26	3.319342	0	0	0	0	-124.923772	53.18400099
WT-22-328G	0.29	26	7.545052	0	0	0	0	-124.920213	53.186352
WT-22-329	0	0	0	37.21	0	37.21	100	-124.908324	53.19325134
WT-22-330	0	0	0	33.06	0	33.06	100	-124.899956	53.19513831
WT-22-331	3.7	26	96.119401	0	0	0	0	-124.899134	53.23363106
WT-22-332	0	0	0	95.17	0	95.17	100	-124.870376	53.22299309
WT-22-333	0	0	0	24.95	0	24.95	100	-124.844381	53.21023522
WT-22-334	0.85	0	0	35.97	25.65	61.62	100	-124.849755	53.22081042
WT-22-335	1.34	27	36.266473	0.9	0	0.9	2.42	-124.838448	53.22425003
WT-22-336A	0	0	0	6.16	0	6.16	100	-124.86929	53.22114319
WT-22-336B	0	0	0	6.37	0	6.37	100	-124.863167	53.22072491
WT-22-336C	0	0	0	6.11	0	6.11	100	-124.866078	53.22046884
WT-22-337	0.45	27	12.069499	0	0	0	0	-124.918155	53.19786568
WT-22-338A	2.75	26	71.427187	11.01	0	11.01	13.35	-124.897221	53.21621311
WT-22-338B	0	0	0	144.36	0	144.36	100	-124.876304	53.21668289
WT-22-338C	0	0	0	18.13	0	18.13	100	-124.876377	53.2159735
WT-22-338D	0	0	0	39.53	0	39.53	100	-124.862744	53.21695587
WT-22-338E	0	0	0	3.63	0	3.63	100	-124.875812	53.21365567
WT-22-338F	0	0	0	2.46	0	2.46	100	-124.876117	53.21326437
WT-22-340	1.42	27	38.233128	0	0	0	0	-124.891567	53.20524709
WT-22-343	7.19	27	194.018313	0.83	0	0.83	0.42	-124.82173	53.193481
WT-22-345A	1.3	26	33.866281	8.01	0	8.01	19.12	-124.862028	53.17949597
WT-22-345B	0	0	0	6.01	0.04	6.04	100	-124.865227	53.17936248
WT-22-346	0.3	29	8.654021	0	0	0	0	-124.888014	53.18120496
WT-22-347	0.37	28	10.403881	0	0	0	0	-124.887496	53.18253248
WT-22-348A	0.18	28	5.113804	0	0	0	0	-124.88627	53.18318964
WT-22-348B	0.26	30	7.834713	0	0	0	0	-124.886058	53.18334937
WT-22-349A	0	0	0	22.15	0	22.15	100	-124.867946	53.20288685

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-349B	Bog	Wb08	Mine Site	0.17	27	4.49	0.17	Mine Site	100	1	100	High Impact
WT-22-349C	Bog	Wb08	Mine Site	0.06	27	1.5	0.06	Mine Site	100	1	100	High Impact
WT-22-350	Bog	Wb08	Mine Site	0.35	27	9.53	0.35	Mine Site	100	1	100	High Impact
WT-22-353A	Bog	Wb08	Mine Site	0.14	27	3.72	0.14	Mine Site	100	1	100	High Impact
WT-22-353B	Bog	Wb08	Mine Site	0.17	27	4.64	0.17	Mine Site	100	1	100	High Impact
WT-22-353C	Swamp	Ws07	Mine Site	0.16	26	4.25	0.16	Mine Site	100	1	100	High Impact
WT-22-353D	Swamp	Ws08	Mine Site	0.18	26	4.57	0.18	Mine Site	100	1	100	High Impact
WT-22-354	Bog	Wb08	Mine Site	0.96	27	25.79	0.96	Mine Site	100	1	100	High Impact
WT-22-355A	Swamp	Ws08	Outside Y23 Footprint	1.17	27	31.64	0	-	0	0	0	No Impact
WT-22-355B	Swamp	Ws08	Outside Y23 Footprint	1.28	26	33.25	0	-	0	0	0	No Impact
WT-22-355C	Swamp	Ws08	Outside Y23 Footprint	0.94	26	24.41	0	-	0	0	0	No Impact
WT-22-358A	Swamp	Ws07	Mine Site	3.57	26	92.85	3.57	Mine Site	100	1	100	High Impact
WT-22-358B	Swamp	Ws07	Mine Site	0.9	26	23.34	0.9	Mine Site	100	1	100	High Impact
WT-22-358C	Swamp	Ws07	Mine Site	1.13	26	29.37	1.13	Mine Site	100	1	100	High Impact
WT-22-359A	Swamp	Ws08	Mine Site	0.16	26	4.13	0.16	Mine Site	100	1	100	High Impact
WT-22-359B	Swamp	Ws08	Mine Site	0.55	26	14.27	0.55	Mine Site	100	1	100	High Impact
WT-22-360	Swamp	Ws08	Mine Site	0.19	26	5.02	0	Mine Site	0	1	0	Moderate Impact
WT-22-362A	Swamp	Ws08	Mine Site	1.1	26	28.5	1.1	Mine Site	100	1	100	High Impact
WT-22-362B	Swamp	Ws08	Mine Site	0.72	26	18.7	0.72	Mine Site	100	1	100	High Impact
WT-22-363	Swamp	Ws07	Mine Site	2.25	26	58.4	2.25	Mine Site	100	1	100	High Impact
WT-22-364	Swamp	Ws08	Mine Site	2.18	26	56.71	2.18	Mine Site	100	1	100	High Impact
WT-22-365	Swamp	Ws08	Mine Site	0.78	26	20.2	0.78	Mine Site	100	1	100	High Impact
WT-22-366	Fen	Wf08	Outside Y23 Footprint	4.73	28	132.48	0	-	0	0	0	No Impact
WT-22-367A	Fen	Wf04	Outside Y23 Footprint	0.14	27	3.79	0	-	0	0	0	No Impact
WT-22-367B	Bog	Wb05	Outside Y23 Footprint	2.4	27	64.76	0	-	0	0	0	No Impact
WT-22-369	Bog	Wb05	Outside Y23 Footprint	0.72	27	19.44	0	-	0	0	0	No Impact
WT-22-370	Bog	Wb05	Outside Y23 Footprint	0.69	27	18.63	0	-	0	0	0	No Impact
WT-22-371A	Marsh	Wm01	Mine Site	0.72	29	21.01	0.72	Mine Site	100	1	100	High Impact
WT-22-371B	Swamp	Ws08	Mine Site	0.62	26	16.16	0.62	Mine Site	100	1	100	High Impact
WT-22-372	Bog	Wb05	Mine Site	0.35	27	9.53	0.11	Mine Site	30.76	1	0	Moderate Impact
WT-22-373	Bog	Wb10	Mine Site	0.36	26	9.31	0.36	Mine Site	100	1	100	High Impact
WT-22-374	Bog	Wb10	Outside Y23 Footprint	0.16	27	4.22	0	-	0	0	0	No Impact
WT-22-375	SOW	Ww	Outside Y23 Footprint	0.15	30	4.57	0	-	0	0	0	No Impact
WT-22-376	Swamp	Ws08	Outside Y23 Footprint	1.05	26	27.22	0	-	0	0	0	No Impact
WT-22-377	Bog	Wb05	Outside Y23 Footprint	1.81	27	48.88	0	-	0	0	0	No Impact
WT-22-378A	Fen	Wf13	Outside Y23 Footprint	1.61	28	45.03	0	-	0	0	0	No Impact
WT-22-378B	Bog	Wb05	Outside Y23 Footprint	0.8	27	21.53	0	-	0	0	0	No Impact
WT-22-379	Bog	Wb05	Mine Site	0.35	27	9.47	0.35	Mine Site	100	1	100	High Impact
WT-22-380	Bog	Wb05	Mine Site	1.18	27	31.73	1.18	Mine Site	100	1	100	High Impact
WT-22-381	Fen	Wf02	Mine Site	1.36	28	38	1.36	Mine Site	100	1	100	High Impact
WT-22-382	Bog	Wb05	Mine Site	0.49	27	13.14	0.49	Mine Site	100	1	100	High Impact
WT-22-383	Bog	Wb08	Mine Site	0.44	27	11.81	0.44	Mine Site	100	1	100	High Impact
WT-22-384	Bog	Wb05	Outside Y23 Footprint	0.75	27	20.16	0	-	0	0	81.89	Moderate Impact
WT-22-385	SOW	Ww	Outside Y23 Footprint	0.2	30	5.95	0	-	0	0	0	No Impact

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Remaining Area (ha)	New Function Score	Remaining Functional Area	Direct Loss in Functional Area	Indirect Loss in Functional Area	Total Functional Area Lost	Percent of Functional Area Lost (%)	Longitude	Latitude
WT-22-349B	0	0	0	4.49	0	4.49	100	-124.867807	53.2031849
WT-22-349C	0	0	0	1.5	0	1.5	100	-124.868455	53.20283925
WT-22-350	0	0	0	9.53	0	9.53	100	-124.869952	53.20087389
WT-22-353A	0	0	0	3.72	0	3.72	100	-124.895468	53.19800707
WT-22-353B	0	0	0	4.64	0	4.64	100	-124.893342	53.19794556
WT-22-353C	0	0	0	4.25	0	4.25	100	-124.892024	53.19838113
WT-22-353D	0	0	0	4.57	0	4.57	100	-124.896278	53.19797608
WT-22-354	0	0	0	25.79	0	25.79	100	-124.899586	53.1968391
WT-22-355A	1.17	27	31.629668	0	0	0	0	-124.849281	53.18020033
WT-22-355B	1.28	26	33.234507	0	0	0	0	-124.849445	53.17913253
WT-22-355C	0.94	26	24.39855	0	0	0	0	-124.845731	53.17903715
WT-22-358A	0	0	0	92.85	0	92.85	100	-124.857732	53.22050367
WT-22-358B	0	0	0	23.34	0	23.34	100	-124.85325	53.21981349
WT-22-358C	0	0	0	29.37	0	29.37	100	-124.852044	53.22009089
WT-22-359A	0	0	0	4.13	0	4.13	100	-124.844014	53.20818872
WT-22-359B	0	0	0	14.27	0	14.27	100	-124.85041	53.20346901
WT-22-360	0.19	26	5.013875	0	0	0	0	-124.831417	53.19649487
WT-22-362A	0	0	0	28.5	0	28.5	100	-124.883156	53.20710505
WT-22-362B	0	0	0	18.7	0	18.7	100	-124.87843	53.20665645
WT-22-363	0	0	0	58.4	0	58.4	100	-124.855852	53.21136871
WT-22-364	0	0	0	56.71	0	56.71	100	-124.855913	53.20346851
WT-22-365	0	0	0	20.2	0	20.2	100	-124.876538	53.22429654
WT-22-366	4.73	28	132.42911	0	0	0	0	-124.893948	53.23294297
WT-22-367A	0.14	27	3.787261	0	0	0	0	-124.854556	53.18007765
WT-22-367B	2.4	27	64.728515	0	0	0	0	-124.852502	53.1797509
WT-22-369	0.72	27	19.427731	0	0	0	0	-124.921313	53.19846341
WT-22-370	0.69	27	18.621041	0	0	0	0	-124.917336	53.19573486
WT-22-371A	0	0	0	21.01	0	21.01	100	-124.887329	53.19808444
WT-22-371B	0	0	0	16.16	0	16.16	100	-124.891798	53.19731011
WT-22-372	0.24	27	6.595577	2.93	0	2.93	30.76	-124.88817	53.2065382
WT-22-373	0	0	0	9.31	0	9.31	100	-124.878247	53.20563124
WT-22-374	0.16	27	4.218376	0	0	0	0	-124.895637	53.21203065
WT-22-375	0.15	30	4.57225	0	0	0	0	-124.89434	53.21027545
WT-22-376	1.05	26	27.210015	0	0	0	0	-124.890972	53.23213339
WT-22-377	1.81	27	48.864857	0	0	0	0	-124.887093	53.23133774
WT-22-378A	1.61	28	45.013443	0	0	0	0	-124.895411	53.23232615
WT-22-378B	0.8	27	21.516744	0	0	0	0	-124.897634	53.23296523
WT-22-379	0	0	0	9.47	0	9.47	100	-124.870694	53.22162718
WT-22-380	0	0	0	31.73	0	31.73	100	-124.869203	53.22192244
WT-22-381	0	0	0	38	0	38	100	-124.871731	53.22343086
WT-22-382	0	0	0	13.14	0	13.14	100	-124.873563	53.22526633
WT-22-383	0	0	0	11.81	0	11.81	100	-124.871085	53.22527966
WT-22-384	0.75	27	20.154664	0	0	0	0	-124.883059	53.2301588
WT-22-385	0.2	30	5.946566	0	0	0	0	-124.919814	53.18382968

APPENDIX F: WETLAND FUNCTION ANALYSIS

Table F-2: Predicted Wetland Function Loss (Year 23 Full-build out)

Wetland ID	Wetland Class	Site Association	Project Area	Baseline Area (ha)	Baseline Function Score	Baseline Functional Area	Area of Direct Loss (ha)	Primary Clearance Feature	Percent Direct Loss (%)	Isolated (Yes/No)	Max. Neighbour Percent Direct Loss (%)	Impact Category
WT-22-386	SOW	Ww	Outside Y23 Footprint	0.36	30	10.66	0	-	0	0	0	No Impact
WT-22-387	Bog	Wb05	Outside Y23 Footprint	0.95	27	25.76	0	-	0	0	0	No Impact
WT-22-388	Bog	Wb05	Outside Y23 Footprint	0.41	27	11.18	0	-	0	0	0	No Impact
WT-22-389	Bog	Wb05	Outside Y23 Footprint	0.15	27	4.06	0	-	0	0	0	No Impact
WT-22-390A	Bog	Wb10	Outside Y23 Footprint	0.29	28	8.1	0	-	0	1	0	Moderate Impact
WT-22-390B	Bog	Wb08	Outside Y23 Footprint	1.79	27	48.36	0	-	0	1	32.46	Moderate Impact
WT-22-391	Fen	Wf11	Mine Site	0.38	31	11.7	0.38	Mine Site	100	1	80.86	High Impact
WT-22-392	Bog	Wb08	Mine Site	3.06	27	82.61	0.73	Mine Site	23.74	1	100	Moderate Impact
WT-22-395	SOW	Ww	Mine Site	0.03	30	0.8	0.03	Mine Site	100	1	100	High Impact
WT-22-397A	Marsh	Wm01	Mine Site	0.47	29	13.52	0.47	Mine Site	100	1	100	High Impact
WT-22-397B	Bog	Wb08	Mine Site	0.09	27	2.51	0.09	Mine Site	100	1	100	High Impact
WT-22-398A	Bog	Wb08	Mine Site	0.62	27	16.85	0.15	Mine Site	23.28	1	76.74	Moderate Impact
WT-22-398B	Bog	Wb05	Mine Site	0.1	27	2.72	0.04	Mine Site	42.77	1	76.74	Moderate Impact
WT-22-399A	Marsh	Wm01	Mine Site	0.22	29	6.26	0.22	Mine Site	100	1	100	High Impact
WT-22-399B	Fen	Wf06	Mine Site	0.05	28	1.28	0.05	Mine Site	100	1	100	High Impact
WT-22-399C	Fen	Wf06	Mine Site	0.07	28	2.1	0.07	Mine Site	100	1	100	High Impact
WT-22-400	Fen	Wf03	Mine Site	0.05	28	1.37	0.05	Mine Site	100	1	0	High Impact
WT-22-401	Marsh	Wm01	Outside Y23 Footprint	0.09	29	2.72	0	-	0	0	0	No Impact
WT-22-402A	Bog	Wb08	Outside Y23 Footprint	0.09	27	2.56	0	-	0	0	0	No Impact
WT-22-402B	SOW	Ww	Outside Y23 Footprint	0.04	30	1.23	0	-	0	0	0	No Impact
WT-22-404	Bog	Wb08	Mine Site	0.38	27	10.39	0.38	Mine Site	100	1	100	High Impact
WT-22-405	Fen	Wf03	Mine Site	0.56	30	16.92	0.56	Mine Site	100	1	100	High Impact
WT-22-406	Bog	Wb08	Mine Site	2.23	27	60.14	2.23	Mine Site	100	1	100	High Impact
WT-22-408	Bog	Wb05	Mine Site	0.63	27	17.08	0.63	Mine Site	100	1	0	High Impact
WT-22-412	Bog	Wb08	Outside Y23 Footprint	0.47	27	12.59	0	-	0	1	0	Moderate Impact
WT-22-413	Fen	Wf02	Outside Y23 Footprint	1.26	28	35.29	0	-	0	0	0	No Impact
WT-22-414	Swamp	Ws07	Mine Site	2.32	26	60.26	2.32	Mine Site	100	1	100	High Impact
WT-22-415	Bog	Wb05	Outside Y23 Footprint	0.23	27	6.31	0	-	0	1	48.26	Moderate Impact
WT-22-416	Swamp	Ws07	Mine Site	2.53	26	65.77	2.53	Mine Site	100	1	100	High Impact
WT-22-417	Swamp	Ws04	Mine Site	0.4	27	10.85	0.4	Mine Site	100	1	100	High Impact
WT-22-418	Swamp	Ws07	Mine Site	5.13	26	133.33	0.41	Mine Site	8.05	1	11.02	Moderate Impact
WT-22-419	Swamp	Ws07	Mine Site	0.56	26	14.55	0.08	Mine Site	15.09	1	11.02	Moderate Impact
WT-22-420	Swamp	Ws07	Mine Site	1.87	26	48.54	0.25	Mine Site	13.56	1	11.02	Moderate Impact
WT-22-421	Bog	Wb08	Mine Site	1.36	27	36.59	0.15	Mine Site	11.02	1	15.09	Moderate Impact
WT-22-422	SOW	Ww	Outside Y23 Footprint	0.82	30	24.63	0	-	0	1	0	Moderate Impact
WT-22-423	Marsh	Wm01	Outside Y23 Footprint	0.28	29	8.04	0	-	0	1	60.84	Moderate Impact
WT-22-424	Swamp	Ws07	Mine Site	1.58	26	41.1	1.21	Mine Site	76.74	1	76.74	High Impact
WT-22-425A	SOW	Ww	Outside Y23 Footprint	0.15	30	4.53	0	-	0	1	76.74	Moderate Impact
WT-22-425B	SOW	Ww	Outside Y23 Footprint	0.3	30	8.87	0	-	0	1	76.74	Moderate Impact
WT-22-427	Bog	Wb10	Outside Y23 Footprint	2.75	27	74.19	0	-	0	1	7.93	Moderate Impact
WT-22-428	Swamp	Ws07	Mine Site	1.11	26	28.96	1.11	Mine Site	100	1	100	High Impact
WT-22-429A	Bog	Wb05	Outside Y23 Footprint	0.12	27	3.14	0	-	0	1	0	Moderate Impact
WT-22-429B	Fen	Wf06	Outside Y23 Footprint	0.05	28	1.47	0	-	0	1	0	Moderate Impact
WT-22-432	Swamp	Ws07	Mine Site	0.16	26	4.12	0.14	Mine Site	90.67	1	90.67	High Impact

APPENDIX G ECOLOGIC 2022 MEMORANDUM REGARDING WETLAND SURVEY RESULTS

ECOLOGIC CONSULTANTS LTD.
224 – 998 HARBOURSIDE DRIVE
NORTH VANCOUVER BC V7P 3T2
PHONE: 604 803-7146

MEMORANDUM

DATE:	August 18, 2022
TO:	Travis Desormeaux, Permitting and Environmental Responsibility Manager, BW Gold Ltd.
FROM:	Ryan Durand, MSc., R.P.Bio., Danielle Mai, B.Sc., R.P.Bio.
SUBJECT:	Blackwater Gold Project Plant Site Wetlands

INTRODUCTION

This memo provides an overview of the two wetlands located adjacent to the proposed Plant Site clearing area and adjacent to the existing Blackwater Camp. This memo is being provided to supplement the interim Wetlands Management and Offsetting Plan (EAC Condition 24) submitted to EAO in March 2022 for approval. The wetlands described below have been surveyed and flagged to maintain a buffer of a minimum 30 m offset from the planned early works construction activities. The buffering of the wetland near the proposed plant site clearing was completed in alignment with condition 5.2 of the Federal Decision Statement (DS) issued to BW Gold Ltd. by thew Canadian Environmental Assessment Agency (CEAA), now the Impact Assessment Agency of Canada (IAAC). The conditions states:

> *The Proponent shall maintain, during construction and operation, a 30-metre buffer of undisturbed vegetation around wetlands located within the mine site, excluding activities required to construct project components. The Proponent shall conduct work or activity within the 30-metre buffer only to the extent necessary for safety reasons, to control invasive plants, or to install and maintain erosion or sediment run-off control measures. The Proponent shall have an independent environmental monitor observe work being done within the buffer, except when not possible for safety reasons. As part of the annual report, the Proponent shall include a summary of work or activities conducted for safety reasons within the 30-metre buffer.*

METHODS

Wetlands were assessed using the standard methodology as per the Field Manual for Describing Terrestrial Ecosystems (BC MOF and MOE 2010) and classified according to the Wetlands of British Columbia (Mackenzie and Moran, 2004). Additional data collected included water quality, hydrodynamic

index, ecosystem function assessments, and a condition assessment following the Protocol for Evaluating the Health of Wetlands (Fletcher et al, 2021).

WETLANDS

Two wetlands were mapped and field checked in the proposed Plant Site (Figure 1). Wetland WT-22-453 was classified as swamp site association Ws08 (Subalpine fir – Sitka valerian – Common horsetail). Wetland WT-22-673 was classified as marsh Wm00, and is not currently represented in McKenzie and Moran. The wetlands are connected with each other, Wm00 was nestled within the Ws08, but otherwise isloated with no streams connected with either wetland. Each wetland is described in detail below.

WT-22-453

WT-22-453 is classified as a Ws08 subalpine fir / horsetails / leafy mosses swamp (Photo 1). It is a properly functioning shrubby wetland with a canopy dominated by sub-alpine fir (*Abies lasiocarpa*), a shrub layer with white flowered rhododendron (*Rhododenron albiflorum*), a herbecous layer dominated by wood horsetail (*Equiseteum sylvaticum.*), Sitka valerian (*Valerian sitchensis*), bluejoint reedgrass (*Calamagrostis canadensis*) and a moss layer dominated by knights plume (*Ptillium crista-castrensis*), glowmoss (*Aulcomium palustre*) and red stemmed-feather moss (*Pleurozium schreberi)*. The wetland had 5% open water and is characterized by mineral soils with silt over a silty clay loam.

The wetland provides potential habitat for Western Toads, Olive-sided Flycatchers, Little Brown Myotis, Caribou, Grizzly Bears and Moose (Table 1). The habitat is considered suitable for Western Toad breeding as there is standing water present; however, no breeding has been observed in the site.

PHOTO 1. REPRESENTATIVE PHOTO OF WT-22-453, WS08.

Blackwater Project

Wetlands within the Proposed Plant Site

Figure 1

Date: 8/12/2022

Map Number: BLW-007

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

0 50 100 150

1:4,000 m

- Wetland Field Plot (Adjacent to Mine)
- Wetland
- Mine Footprint

ECOLOGIC environmental consulting

TABLE 1. HABITAT SUITABLITY RATINGS FOR WT-22-453

Species	Life Requisite- Season	Suitability rating
Western Toads	Reproducing Eggs- Growing	Suitable
	Hibernating - Winter	Suitable
Olive-sided flycatcher	Reproducing Eggs- Growing	Very High
Little Brown Myotis	Living- Growing	High
Caribou	Living- Winter, Summer, Fall, Spring	Very Low
Grizzly Bear	Living- Spring, Fall	Low
	Living- Summer	Moderate
Moose	Living- Spring, Winter	Low
	Living- Summer	Moderate

WT-22-673

WT-22-673 (Photo 2) is classified as a Wm00 marsh (unclassfied marsh association). It is a properly functioning wetland that during time of assessment was flooded from natural causes. It is a graminoid dominated level forest marsh opening dominated by grey sedge (*Carex canesens*) with some water sedge (*Carex aquatilis*), along with *Polystichum spp.* covering the marsh floor and peatmoss (*Sphagnum spp*.) on raised humocks. Barclay's willow (*Salix Barclayi)* and Drummonds willow (*Salix Drummondii*) surround the edge of the wetland. The wetland had 90% open water and is characterized by mineral soils, silt over silty clay loam.

The wetland provides potential habitat for Western Toads, Olive-sided Flycatcher, Little Brown Myotis, Moose and Caribou (Table 2). This site is not considered suitable for Western Toad breeding due to the extent of the ephemeral flooding.

PHOTO 2. REPRESENTATIVE PHOTO OF WT-22-673, WM00.

TABLE 2. HABITAT SUITABLITY RATINGS FOR WT-22-673

Species	Life Requisite-Season	Suitability rating
Western Toad	Living- Growing	Very Low
Olive-sided Flycatcher	Living- Growing	Very high
Moose	Living- Spring, Summer, Fall, Winter	Moderate
Caribou	Living- Spring, Summer, Fall	Very Low
	Living- Winter	Moderate
Grizzly Bear	Living- Spring, Summer, Fall	Moderate
Little Brown Myotis	Living- Growing	High

REFERENCES

BC Ministry of Forests and Range and BC Ministry of Environment. 2010. Field manual for describing terrestrial ecosystems, 2nd ed. Victoria, BC. Land Manage. Handb. No. 25.

Fletcher, N.F., Tripp, D.B., Hansen, P.L., Nordin, L.J., Porter, M., and Morgan, D. 2021. Protocol for the Wetland Health Management Routine Effectiveness Evaluation. Forest and Range Evaluation Program, B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development, Victoria, B.C.

MacKenzie, W.H. and J.R. Moran. 2004. Wetlands of British Columbia: a guide to identification. Res. Br., B.C. Min. For., Victoria, B.C. Land Manage. Handb. No. 52.

APPENDIX H WETLAND BASELINE DATA

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
393	CH100	WT-22-742	visual	Blackwater		Ws04/Ws07	7/11/2022	10	382451	5910627			0.000000000	0.000000000
395	CH101	WT-22-738	visual	Blackwater		Ws04	7/11/2022	10	381838	5910772			0.000000000	0.000000000
396	CH102	N/A	visual	Blackwater		Ws	7/11/2022	10	381811	5910823			0.000000000	0.000000000
397	CH103	WT-22-731a	visual	Blackwater		Ws05	7/11/2022	10	381624	5910963			0.000000000	0.000000000
398	CH104	WT-22-731a	visual	Blackwater		Wm01	7/11/2022	10	381683	5910947			0.000000000	0.000000000
1	Lake 15/16	N/A	full	Blackwater	Ryan Durand	Wb08	7/10/2022	10	371074	5894117	no	no	1351.548028000	4.675087831
2	MC01	MC136	full	Blackwater	Ryan Durand	Wm01	7/5/2022	10	362274	5886677	yes	no	1082.549771000	5.000000000
3	MC02	MC207	full	Blackwater	Ryan Durand	Wf02	7/5/2022	10	362314	5886549	yes	no	1081.306076000	5.000000000
4	MC03	MC155	full	Blackwater	Ryan Durand	Ws07	7/5/2022	10	362164	5886516	yes	no	1081.435615000	5.000000000
107	MC04	MC140	visual	Blackwater	Ryan Durand	Wm01	7/5/2022	10	362115	5886590	no		1081.911226000	5.000000000
5	MC05	MC133	full	Blackwater	Ryan Durand	Fl05	7/5/2022	10	362005	5886667	yes	no	1091.738992000	5.000000000
6	MC06	MC150	full	Blackwater	Ryan Durand	Wf02	7/5/2022	10	362007	5886519	yes	no	1085.604898000	5.000000000
7	MC07	MC153	full	Blackwater	Ryan Durand	Wb08	7/5/2022	10	361874	5886496	yes	no	1092.862392000	5.000000000
8	MC08	MC16	full	Blackwater	Ryan Durand	Ws07	7/5/2022	10	362101	5886388	yes	no	1083.621204000	5.000000000
108	MC09	MC191	visual	Blackwater	Ryan Durand	Wf02	7/5/2022	10	362509	5886514		no	1086.651722000	5.000000000
109	MC10	MC188	visual	Blackwater	Ryan Durand	Wf01	7/5/2022	10	362693	5886664	yes	no	1089.576795000	5.000000000
802	MC100	MC04	visual	Blackwater		Wb05	7/6/2022	10	360731	5886254			0.000000000	0.000000000
801	MC101	MC09	visual	Blackwater		Wb05	7/6/2022	10	361298	5886865			0.000000000	0.000000000
800	MC102	N/A	visual	Blackwater		Transition To Upland Wet Forest	7/5/2022	10	362191	5886357			0.000000000	0.000000000
797	MC103	MC199	visual	Blackwater		Wb	7/5/2022	10	362216	5886500			0.000000000	0.000000000
783	MC104	MC150	visual	Blackwater		Wf02/Wb05	5/12/2022	10	361998	5886541			0.000000000	0.000000000
781	MC105	MC187	visual	Blackwater		Wb05	5/12/2022	10	362068	5886550			0.000000000	0.000000000
779	MC106	MC222	visual	Blackwater		Wf	5/12/2022	10	362131	5886572			0.000000000	0.000000000
784	MC107	MC154	visual	Blackwater		Ws	5/12/2022	10	362160	5886603			0.000000000	0.000000000
782	MC108	MC204	visual	Blackwater		Wf02	5/12/2022	10	362371	5886544			0.000000000	0.000000000
792	MC109	MC193	visual	Blackwater		Wf07	7/6/2022	10	362641	5886712			0.000000000	0.000000000
9	MC11	MC193	full	Blackwater	Ryan Durand	Wf02	7/5/2022	10	362633	5886694	yes	no	1085.864746000	5.000000000
778	MC110	MC180	visual	Blackwater		Wb	7/5/2022	10	362756	5886828			0.000000000	0.000000000
780	MC111	MC181	visual	Blackwater		Wb	7/5/2022	10	362721	5886832			0.000000000	0.000000000
787	MC111a	MC160	visual	Blackwater		Fl	7/6/2022	10	362440	5886772			0.000000000	0.000000000
790	MC113	MC228	visual	Blackwater		Wm01	7/6/2022	10	362331	5886779			0.000000000	0.000000000
785	MC114	MC134	visual	Blackwater		Fl	7/6/2022	10	362274	5886726			0.000000000	0.000000000
791	MC115	MC168	visual	Blackwater		Wm01	7/6/2022	10	362198	5886783			0.000000000	0.000000000
796	MC116	MC174	visual	Blackwater		Ws	7/6/2022	10	362259	5886808			0.000000000	0.000000000
788	MC117	MC196	visual	Blackwater		Ws07	7/6/2022	10	362337	5886936			0.000000000	0.000000000
794	MC118	MC165	visual	Blackwater		Wb05	7/6/2022	10	362420	5887146			0.000000000	0.000000000
786	MC119	MC179	visual	Blackwater		Fl	7/6/2022	10	362504	5886907			0.000000000	0.000000000
10	MC12	MC230	full	Blackwater	Ryan Durand	Fl05	7/6/2022	10	362307	5886720	yes	no	1085.123485000	5.000000000
789	MC120	MC183	visual	Blackwater		Wf/Wb	7/6/2022	10	362621	5887044			0.000000000	0.000000000
795	MC121	MC218	visual	Blackwater		Wf03	7/6/2022	10	362507	5887126			0.000000000	0.000000000
799	MC122	MC155	visual	Blackwater		Ws	7/5/2022	10	362165	5886516			0.000000000	0.000000000
295	MC123	MC76	visual	Blackwater		Wb	7/7/2022	10	361449	5886753			0.000000000	0.000000000
296	MC124	MC32	visual	Blackwater		Upland	7/8/2022	10	359875	5886285			0.000000000	0.000000000
798	MC125	N/A	visual	Blackwater		Fl05	7/6/2022	10	358294	5886429			0.000000000	0.000000000
110	MC13	MC158	visual	Blackwater	Ryan Durand	Wm01	7/6/2022	10	362363	5886742	yes	no	1084.327618000	5.000000000
11	MC14	MC175	full	Blackwater	Ryan Durand	Ws04	7/6/2022	10	362432	5886882	yes	no	1081.350889000	5.000000000
111	MC15	MC158	visual	Blackwater	Ryan Durand	Fl/Ws	7/6/2022	10	362513	5886960	yes	no	1082.746858000	5.000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
12	MC16	MC195	full	Blackwater	Ryan Durand	Wb05	7/6/2022	10	362486	5887030	yes	no	1087.293468000	5.000000000
112	MC17	MC218	visual	Blackwater	Ryan Durand	Wf02	7/6/2022	10	362505	5887124	yes	no	1083.107818000	5.000000000
113	MC18	MC183	visual	Blackwater	Ryan Durand	Wf	7/6/2022	10	362621	5887047	yes	no	1085.334772000	5.000000000
114	MC19	MC82	visual	Blackwater	Ryan Durand	Ws04	7/6/2022	10	360328	5886307	yes	no	1090.282715000	5.000000000
13	MC20	MC03	full	Blackwater	Ryan Durand	Wb05	7/6/2022	10	360641	5886290	no	no	1081.500758000	5.000000000
14	MC21	MC76	full	Blackwater	Ryan Durand	Wb08	7/7/2022	10	361447	5886753	yes	no	1085.015347000	4.596099760
15	MC22	MC76	full	Blackwater	Ryan Durand	Wf02	7/7/2022	10	361413	5886778	yes		1084.039355000	4.734069121
16	MC23	MC76	full	Blackwater	Ryan Durand	Wf	7/7/2022	10	361359	5886687	yes	no	1083.389614000	4.596096492
17	MC24	MC131	full	Blackwater	Ryan Durand	Wm01	7/7/2022	10	361431	5886633	yes	no	1082.435200000	4.741044709
115	MC25	MC25	visual	Blackwater	Ryan Durand	Ws07	7/8/2022	10	359342	5886388	yes	no	1084.327269000	4.742011024
18	MC26	MC29	full	Blackwater	Ryan Durand	Wf07	7/8/2022	10	359369	5886414	yes	no	1082.551758000	4.742855369
19	MC27	MC31	full	Blackwater	Ryan Durand	Ws	7/8/2022	10	359533	5886425	yes	no	1082.253685000	4.741742691
20	MC28	MC35	full	Blackwater	Ryan Durand	Wf07	7/8/2022	10	359788	5886374	no		1080.770244000	4.743092606
116	MC29	MC243	visual	Blackwater	Ryan Durand	Wm01	7/8/2022	10	359918	5886247	no		1079.796214000	4.741888403
21	MC30	MC50	full	Blackwater	Ryan Durand	Ws	7/8/2022	10	359856	5886559	no	no	1080.887617000	4.723901292
22	MC31	MC12	full	Blackwater	Ryan Durand	Wb05	7/8/2022	10	360873	5887015	yes	no	1078.838311000	4.733094230
117	MC32	MC06	visual	Blackwater	Ryan Durand	Wf07	7/8/2022	10	360844	5886944	no	no	1080.549255000	4.730595633
23	MC33	MC07	full	Blackwater	Ryan Durand	Wf	7/8/2022	10	360816	5886868	yes	no	1081.349827000	4.738894672
24	MC34	MC12	full	Blackwater	Ryan Durand	Wb08	7/8/2022	10	360887	5887042	yes	no	1084.715140000	4.731494678
289	WT100	N/A	visual	Blackwater		Riparian	6/14/2022	10	375903	5896017			0.000000000	0.000000000
290	WT101	N/A	visual	Blackwater		Wf01 or Wm01	6/15/2022	10	371737	5894538			0.000000000	0.000000000
300	WT102	WT-22-797	visual	Blackwater		Ws08	7/8/2022	10	374601	5894062			0.000000000	0.000000000
305	WT103	N/A	visual	Blackwater		Upland	7/9/2022	10	376541	5893480			0.000000000	0.000000000
350	WT104	N/A	visual	Blackwater		Upland	7/9/2022	10	375958	5893920			0.000000000	0.000000000
354	WT105	N/A	visual	Blackwater		Upland	7/10/2022	10	370811	5894004			0.000000000	0.000000000
355	WT106	WT-22-721	visual	Blackwater		Wb08	7/10/2022	10	370602	5893857			0.000000000	0.000000000
392	WT108	WT-22-336a	visual	Blackwater		Ws07	7/11/2022	10	375208	5898491			0.000000000	0.000000000
417	WT109	WT-22-343	visual	Blackwater		Wb08	7/12/2022	10	378489	5895477			0.000000000	0.000000000
445	WT110	WT-22-735	visual	Blackwater		Wb08	7/27/2022	10	373793	5896031			0.000000000	0.000000000
446	WT111	WT-22-735	visual	Blackwater		Wb08	7/27/2022	10	373703	5896071			0.000000000	0.000000000
458	WT112	N/A	visual	Blackwater		Upland	7/27/2022	10	373426	5895886			0.000000000	0.000000000
459	WT113	N/A	visual	Blackwater		Upland	7/27/2022	10	373535	5895830			0.000000000	0.000000000
461	WT114	WT-22-353a	visual	Blackwater		Wb08	7/27/2022	10	373385	5895969			0.000000000	0.000000000
462	WT115	WT-22-353d	visual	Blackwater		Ws	7/27/2022	10	373301	5895969			0.000000000	0.000000000
463	WT116	N/A	visual	Blackwater		Upland	7/27/2022	10	373213	5895960			0.000000000	0.000000000
465	WT117	WT-22-792	visual	Blackwater		Ws	7/27/2022	10	373029	5895936			0.000000000	0.000000000
466	WT118	N/A	visual	Blackwater		Ws08	7/27/2022	10	373063	5895938			0.000000000	0.000000000
470	WT119	N/A	visual	Blackwater		Upland	7/27/2022	10	373243	5895911			0.000000000	0.000000000
473	WT120	WT-22-794	visual	Blackwater		Ws08	7/28/2022	10	373749	5895689			0.000000000	0.000000000
474	WT121	WT-22-794	visual	Blackwater		Ws08	7/28/2022	10	373712	5895666			0.000000000	0.000000000
488	WT122	N/A	visual	Blackwater		Wb05	7/28/2022	10	374365	5897086			0.000000000	0.000000000
493	WT123	WT-22-805	visual	Blackwater		Wf01	7/28/2022	10	375455	5898615			0.000000000	0.000000000
497	WT124	WT-22-521	visual	Blackwater		Wb05	7/28/2022	10	376096	5898687			0.000000000	0.000000000
498	WT125	N/A	visual	Blackwater		Wb08	7/28/2022	10	376171	5898805			0.000000000	0.000000000
499	WT126	N/A	visual	Blackwater		Wb08	7/28/2022	10	376191	5898827			0.000000000	0.000000000
528	WT127	N/A	visual	Blackwater		Wf01	7/28/2022	10	375537	5898304			0.000000000	0.000000000
545	WT128	WT-22-714	visual	Blackwater		Ws07	7/29/2022	10	378914	5900543			0.000000000	0.000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
546	WT129	WT-22-714	visual	Blackwater		Ws07	7/29/2022	10	378949	5900608			0.000000000	0.000000000
549	WT130	WT-22-806	visual	Blackwater		Wf01	7/29/2022	10	378871	5901628			0.000000000	0.000000000
551	WT131	N/A	visual	Blackwater		Upland	7/29/2022	10	378925	5901895			0.000000000	0.000000000
568	WT132	WT-22-343	visual	Blackwater		Wb05	7/30/2022	10	378470	5895297			0.000000000	0.000000000
569	WT133	WT-22-343	visual	Blackwater		Wb05	7/30/2022	10	378393	5895293			0.000000000	0.000000000
578	WT134	WT-22-720	visual	Blackwater		Wm01	7/30/2022	10	378860	5896881			0.000000000	0.000000000
579	WT135	WT-22-788	visual	Blackwater		Ws07	7/30/2022	10	378487	5896765			0.000000000	0.000000000
580	WT136	WT-22-788	visual	Blackwater		Ws07	7/30/2022	10	378458	5896738			0.000000000	0.000000000
597	WT137	WT-22-789	visual	Blackwater		Ws08	7/30/2022	10	376494	5895506			0.000000000	0.000000000
599	WT138	N/A	visual	Blackwater		Wm01	7/30/2022	10	379260	5899438			0.000000000	0.000000000
603	WT139	N/A	visual	Blackwater		Upland	7/30/2022	10	379032	5899531			0.000000000	0.000000000
404	WT140	N/A	visual	Blackwater		Ws07	7/11/2022	10	383381	5909144			0.000000000	0.000000000
405	WT141	N/A	visual	Blackwater		Upland	7/11/2022	10	383345	5909117			0.000000000	0.000000000
617	WT142	WT-22-752	visual	Blackwater		Wf01	7/31/2022	10	390111	5911874			0.000000000	0.000000000
621	WT143	WT-22-026	visual	Blackwater		Wb08	7/31/2022	10	389704	5913050			0.000000000	0.000000000
628	WT144	N/A	visual	Blackwater		Wb05	7/31/2022	10	390319	5913324			0.000000000	0.000000000
649	WT147	WT-22-782	visual	Blackwater		Wb08	8/1/2022	10	386671	5939730			0.000000000	0.000000000
650	WT148	N/A	visual	Blackwater		Upland	8/1/2022	10	386765	5939697			0.000000000	0.000000000
678	WT149	N/A	visual	Blackwater		Fl	8/1/2022	10	394766	5933255			0.000000000	0.000000000
774	WT150	N/A	visual	Blackwater		Upland	8/24/2022	10	386092	5940693			0.000000000	0.000000000
776	WT151	N/A	visual	Blackwater		Upland	8/24/2022	10	390985	5937141			0.000000000	0.000000000
777	WT152	N/A	visual	Blackwater		Upland	8/24/2022	10	391026	5937170			0.000000000	0.000000000
752	WT153	N/A	visual	Blackwater		Ws07	8/24/2022	10	381350	5948099			0.000000000	0.000000000
754	WT154	N/A	visual	Blackwater		Ws04	8/24/2022	10	381327	5946033			0.000000000	0.000000000
756	WT155	WT-22-770	visual	Blackwater		Wf02	8/24/2022	10	381234	5945949			0.000000000	0.000000000
757	WT156	N/A	visual	Blackwater		Wm01	8/24/2022	10	381642	5945183			0.000000000	0.000000000
766	WT159	WT-22-081	visual	Blackwater		Wf01	8/24/2022	10	383724	5944139			0.000000000	0.000000000
773	WT160	WT-22-072	visual	Blackwater		Ws07	8/24/2022	10	385507	5942419			0.000000000	0.000000000
293	WT161	N/A	visual	Blackwater		Upland	6/16/2022	10	381367	5969483			0.000000000	0.000000000
662	WT162	N/A	visual	Blackwater		Upland	8/2/2022	10	378839	5952717			0.000000000	0.000000000
669	WT163	WT-22-790	visual	Blackwater		Ws07	8/2/2022	10	377901	5959273			0.000000000	0.000000000
721	WT164	N/A	visual	Blackwater		Ws04	8/24/2022	10	375235	5984453			0.000000000	0.000000000
722	WT165	N/A	visual	Blackwater		Upland	8/24/2022	10	376021	5984219			0.000000000	0.000000000
727	WT166	N/A	visual	Blackwater		Ws04	8/24/2022	10	379551	5980179			0.000000000	0.000000000
729	WT167	N/A	visual	Blackwater		Upland	8/24/2022	10	380539	5979787			0.000000000	0.000000000
730	WT168	N/A	visual	Blackwater		Upland	8/24/2022	10	381035	5978282			0.000000000	0.000000000
732	WT169	N/A	visual	Blackwater		Wm01	8/24/2022	10	381375	5973522			0.000000000	0.000000000
735	WT170	N/A	visual	Blackwater		Upland	8/24/2022	10	378762	5965474			0.000000000	0.000000000
737	WT171	N/A	visual	Blackwater		Upland	8/24/2022	10	378368	5964121			0.000000000	0.000000000
741	WT172	N/A	visual	Blackwater		Wf02	8/24/2022	10	377864	5961636			0.000000000	0.000000000
611	WT-22-001a	WT-22-001a	visual	Blackwater		Ws04/Ws07	7/31/2022	10	378769	5905946			0.000000000	0.000000000
25	WT-22-003	WT-22-003a	full	Blackwater	Claudia Houwers	Ws04	7/26/2022	10	382723	5908795		yes	928.300000000	5.000000000
426	WT-22-003a	WT-22-003a	visual	Blackwater		Ws04	7/26/2022	10	383112	5908983			0.000000000	0.000000000
428	WT-22-003b	WT-22-003a	visual	Blackwater		Wf01	7/26/2022	10	383013	5908949			0.000000000	0.000000000
429	WT-22-003c	WT-22-003a	visual	Blackwater		Ws04	7/26/2022	10	383003	5908939			0.000000000	0.000000000
430	WT-22-003d	WT-22-003a	visual	Blackwater		Wf01	7/26/2022	10	382945	5908918			0.000000000	0.000000000
408	WT-22-004	WT-22-004	visual	Blackwater		Ws04	7/11/2022	10	383253	5908785			0.000000000	0.000000000
420	WT-22-004a	WT-22-004	visual	Blackwater		Ws07	7/26/2022	10	383257	5909014			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
421	WT-22-008	WT-22-008a	visual	Blackwater		Ws07	7/26/2022	10	383235	5909099			0.000000000	0.000000000
422	WT-22-008a	N/A	visual	Blackwater		Upland	7/26/2022	10	383216	5909070			0.000000000	0.000000000
423	WT-22-008b	N/A	visual	Blackwater		Upland	7/26/2022	10	383190	5909064			0.000000000	0.000000000
424	WT-22-008c	WT-22-008a	visual	Blackwater		Ws07	7/26/2022	10	383173	5909062			0.000000000	0.000000000
425	WT-22-008d	WT-22-008a	visual	Blackwater		Ws07	7/26/2022	10	383135	5909025			0.000000000	0.000000000
427	WT-22-008e	WT-22-008a	visual	Blackwater		Ws07	7/26/2022	10	383046	5908958			0.000000000	0.000000000
26	WT-22-011	WT-22-011	full	Blackwater	Ryan Durand	Ws04	7/26/2022	10	383152	5909043	yes	yes	937.862957774	4.737985379
119	WT-22-012a	WT-22-012a	visual	Blackwater	Ryan Durand	Ws04	7/11/2022	10	383500	5909320	no	no	932.894985200	6.406122967
400	WT-22-012b	WT-22-012b	visual	Blackwater		Ws04	7/11/2022	10	383485	5909208			0.000000000	0.000000000
401	WT-22-012c	WT-22-012b	visual	Blackwater		Ws07/Ws04	7/11/2022	10	383480	5909208			0.000000000	0.000000000
613	WT-22-014	WT-22-014	visual	Blackwater		Ws	7/31/2022	10	384720	5909483			0.000000000	0.000000000
614	WT-22-014a	N/A	visual	Blackwater		Upland	7/31/2022	10	384687	5909464			0.000000000	0.000000000
27	WT-22-015	WT-22-015	full	Blackwater	Ryan Durand	Wf01	7/11/2022	10	383412	5909119	yes	no	931.571225100	4.736179486
399	WT-22-015a	WT-22-015	visual	Blackwater		Upland	7/11/2022	10	383476	5909235			0.000000000	0.000000000
402	WT-22-015b	WT-22-015	visual	Blackwater		Ws04	7/11/2022	10	383428	5909106			0.000000000	0.000000000
403	WT-22-015c	WT-22-015	visual	Blackwater		Ws04	7/11/2022	10	383368	5909141			0.000000000	0.000000000
406	WT-22-015d	WT-22-015	visual	Blackwater		Ws04	7/11/2022	10	383322	5909119			0.000000000	0.000000000
407	WT-22-015e	WT-22-015	visual	Blackwater		Wm01	7/11/2022	10	383307	5909092			0.000000000	0.000000000
612	WT-22-016	WT-22-747	visual	Blackwater		Ws04	7/31/2022	10	383984	5909387			0.000000000	0.000000000
409	WT-22-017	WT-22-017	visual	Blackwater		Ws07	7/11/2022	10	385643	5909518			0.000000000	0.000000000
411	WT-22-022	N/A	visual	Blackwater		Upland	7/11/2022	10	390388	5911159			0.000000000	0.000000000
28	WT-22-023	WT-22-023	full	Blackwater	Ryan Durand	Wb	7/31/2022	10	390211	5911892	yes	yes	1094.894491310	4.742902362
618	WT-22-023a	WT-22-023	visual	Blackwater		Wb05	7/31/2022	10	390233	5911911			0.000000000	0.000000000
623	WT-22-025	WT-22-025a	visual	Blackwater		Ww	7/31/2022	10	389841	5912980			0.000000000	0.000000000
622	WT-22-026	N/A	visual	Blackwater		Riparian	7/31/2022	10	389754	5912986			0.000000000	0.000000000
29	WT-22-027	WT-22-027	full	Blackwater	Ryan Durand	Wf01	7/31/2022	10	389897	5913274		yes	1092.757270650	4.736231885
624	WT-22-028	WT-22-028a	visual	Blackwater		Wm01	7/31/2022	10	389851	5912955			0.000000000	0.000000000
625	WT-22-028a	WT-22-028a	visual	Blackwater		Wb05	7/31/2022	10	389978	5913064			0.000000000	0.000000000
626	WT-22-028b	WT-22-028a	visual	Blackwater		Wf01	7/31/2022	10	390299	5913252			0.000000000	0.000000000
627	WT-22-028c	WT-22-028b	visual	Blackwater		Wf02	7/31/2022	10	390310	5913301			0.000000000	0.000000000
619	WT-22-030	N/A	visual	Blackwater		Riparian	7/31/2022	10	390210	5913567			0.000000000	0.000000000
620	WT-22-030a	WT-22-030	visual	Blackwater		Ws07	7/31/2022	10	390151	5913466			0.000000000	0.000000000
120	WT-22-031	WT-22-031	visual	Blackwater	Gord Emery	Ws07	7/31/2022	10	390519	5914355	no	yes	1160.500000000	5.000000000
638	WT-22-031a	WT-22-031	visual	Blackwater		Ws07	8/1/2022	10	390545	5914366			0.000000000	0.000000000
121	WT-22-033	WT-22-033	visual	Blackwater	Ryan Durand	Ws07	7/31/2022	10	395979	5920410	no	yes	1147.358054660	4.729953098
630	WT-22-033a	WT-22-033	visual	Blackwater		Wb08	7/31/2022	10	395915	5920167			0.000000000	0.000000000
632	WT-22-034	WT-22-756	visual	Blackwater		Ws07	7/31/2022	10	396113	5920894			0.000000000	0.000000000
122	WT-22-036	WT-22-036	visual	Blackwater	Ryan Durand	Ws	7/31/2022	10	396265	5921345	yes	yes	1115.955890970	4.732725797
123	WT-22-039	WT-22-039	visual	Blackwater	Ryan Durand	Ws07	7/31/2022	10	397194	5921906	no	yes	1107.754137380	4.740064230
124	WT-22-042	WT-22-042b	visual	Blackwater	Ryan Durand	Ws07	7/31/2022	10	398239	5922538	yes	yes	1095.669822760	4.740711544
635	WT-22-043	WT-22-043	visual	Blackwater		Ws07	7/31/2022	10	398603	5923767			0.000000000	0.000000000
412	WT-22-044	WT-22-044	visual	Blackwater		Ws07	7/11/2022	10	398438	5924773			0.000000000	0.000000000
292	WT-22-045	WT-22-045	visual	Blackwater		Wb05	6/16/2022	10	398243	5925839			0.000000000	0.000000000
30	WT-22-046	WT-22-046	full	Blackwater	Natasha Bush	Fl05	8/1/2022	10	397899	5927085		yes	993.686179728	4.732803848
676	WT-22-046a	WT-22-046	visual	Blackwater		Fl05/Ws07	8/1/2022	10	397901	5927084			0.000000000	0.000000000
677	WT-22-046b	WT-22-046	visual	Blackwater		Ws07	8/1/2022	10	397934	5927109			0.000000000	0.000000000
674	WT-22-047	WT-22-046	visual	Blackwater		Ws07	8/1/2022	10	398044	5927214			0.000000000	0.000000000
673	WT-22-048	WT-22-046	visual	Blackwater		Ws04	8/1/2022	10	398121	5927425			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
704	WT-22-049	N/A	visual	Blackwater		Upland	8/4/2022	10	397581	5927788			0.000000000	0.000000000
637	WT-22-052	WT-22-052a	visual	Blackwater		Fl05/Ws07	7/31/2022	10	394817	5932625			0.000000000	0.000000000
126	WT-22-054	N/A	visual	Blackwater	Natasha Bush	Upland	8/2/2022	10	394972	5933657			978.154900962	4.733663012
671	WT-22-054a	N/A	visual	Blackwater		Upland	8/2/2022	10	395035	5933578			0.000000000	0.000000000
681	WT-22-054b	N/A	visual	Blackwater		Upland	8/2/2022	10	394974	5933656			0.000000000	0.000000000
31	WT-22-055	WT-22-760	full	Blackwater	Natasha Bush	Wf02	8/2/2022	10	395049	5933715		no	978.901210785	3.535533906
679	WT-22-055a	WT-22-760	visual	Blackwater		Wf02	8/1/2022	10	395048	5933714			0.000000000	0.000000000
680	WT-22-055b	WT-22-760	visual	Blackwater		Wf02	8/2/2022	10	395050	5933716			0.000000000	0.000000000
127	WT-22-056c	WT-22-761	visual	Blackwater	Natasha Bush	Wb05	8/2/2022	10	395024	5933735			977.730134962	4.738449169
128	WT-22-057	WT-22-057	visual	Blackwater	Natasha Bush	Wf02	8/2/2022	10	395951	5935342	no	yes	1018.143634430	4.738786012
684	WT-22-057a	WT-22-057	visual	Blackwater		Wf07/02	8/2/2022	10	395952	5935343			0.000000000	0.000000000
686	WT-22-059	N/A	visual	Blackwater		Upland	8/2/2022	10	394916	5935989			0.000000000	0.000000000
775	WT-22-061	N/A	visual	Blackwater		Upland	8/24/2022	10	390492	5937602			0.000000000	0.000000000
129	WT-22-062	WT-22-810	visual	Blackwater	Natasha Bush	Ws07	8/3/2022	10	390174	5937780			941.987976997	4.735269096
695	WT-22-062a	N/A	visual	Blackwater		Upland	8/3/2022	10	389693	5938061			0.000000000	0.000000000
696	WT-22-062b	WT-22-810	visual	Blackwater		Ws07	8/3/2022	10	390176	5937780			0.000000000	0.000000000
656	WT-22-063	WT-22-811	visual	Blackwater		Ws07	8/1/2022	10	389382	5938386			0.000000000	0.000000000
654	WT-22-064	WT-22-064	visual	Blackwater		Ws07	8/1/2022	10	387381	5939599			0.000000000	0.000000000
639	WT-22-066	WT-22-066	visual	Blackwater		Ws	8/1/2022	10	386360	5939756			0.000000000	0.000000000
644	WT-22-066a	WT-22-066	visual	Blackwater		Ws04/Ws07	8/1/2022	10	386519	5939780			0.000000000	0.000000000
655	WT-22-067	WT-22-067	visual	Blackwater		Wb08/Wb01	8/1/2022	10	387481	5939644			0.000000000	0.000000000
32	WT-22-069	WT-22-069	full	Blackwater	Ryan Durand	Ws	8/1/2022	10	386371	5939948	yes	yes	946.352071559	4.736211939
643	WT-22-069a	WT-22-069	visual	Blackwater		Ws07	8/1/2022	10	386312	5939994			0.000000000	0.000000000
641	WT-22-070	WT-22-070	visual	Blackwater		Ws07	8/1/2022	10	386251	5940014			0.000000000	0.000000000
33	WT-22-071	WT-22-071	full	Blackwater	Ryan Durand	Wb01	8/1/2022	10	386665	5939755	yes	yes	937.748175176	4.735494956
772	WT-22-073	WT-22-073	visual	Blackwater		Ws07	8/24/2022	10	385318	5942464			0.000000000	0.000000000
771	WT-22-074	WT-22-768	visual	Blackwater		Ws07	8/24/2022	10	385108	5942843			0.000000000	0.000000000
770	WT-22-075	N/A	visual	Blackwater		Ws07	8/24/2022	10	384801	5943062			0.000000000	0.000000000
769	WT-22-076	WT-22-076	visual	Blackwater		Ws07	8/24/2022	10	384634	5943152			0.000000000	0.000000000
767	WT-22-078	N/A	visual	Blackwater		Upland	8/24/2022	10	384083	5943811			0.000000000	0.000000000
768	WT-22-079	WT-22-079	visual	Blackwater		Wm01/Ws04	8/24/2022	10	384214	5943889			0.000000000	0.000000000
763	WT-22-083	WT-22-083	visual	Blackwater		Wf01	8/24/2022	10	383574	5944356			0.000000000	0.000000000
764	WT-22-084	N/A	visual	Blackwater		Upland	8/24/2022	10	383452	5944195			0.000000000	0.000000000
761	WT-22-087	WT-22-087	visual	Blackwater		Wb05	8/24/2022	10	381808	5944786			0.000000000	0.000000000
755	WT-22-089	WT-22-770	visual	Blackwater		Wf02	8/24/2022	10	381169	5946088			0.000000000	0.000000000
753	WT-22-091	WT-22-090	visual	Blackwater		Ws07	8/24/2022	10	381058	5946573			0.000000000	0.000000000
657	WT-22-094	N/A	visual	Blackwater		Upland	8/1/2022	10	380788	5950000			0.000000000	0.000000000
658	WT-22-094a	N/A	visual	Blackwater		Upland	8/1/2022	10	380330	5949994			0.000000000	0.000000000
664	WT-22-096	N/A	visual	Blackwater		Upland	8/2/2022	10	379122	5952254			0.000000000	0.000000000
663	WT-22-097	N/A	visual	Blackwater		Upland	8/2/2022	10	378915	5952783			0.000000000	0.000000000
282	WT-22-099	WT-22-099	visual	Blackwater	Ryan Durand	Wf	8/2/2022	10	378738	5953399	yes	yes	867.630653301	4.736201102
661	WT-22-100	WT-22-100	visual	Blackwater		Ws07	8/2/2022	10	378630	5953629			0.000000000	0.000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
34	WT-22-101	WT-22-101	full	Blackwater	Ryan Durand	Ws07	8/2/2022	10	378584	5953798	yes	yes	840.696690284	4.722127633
750	WT-22-102	WT-22-102	visual	Blackwater		Ws07	8/24/2022	10	378387	5954698			0.000000000	0.000000000
748	WT-22-105	N/A	visual	Blackwater		Upland	8/24/2022	10	378390	5955893			0.000000000	0.000000000
667	WT-22-106	WT-22-106	visual	Blackwater		Ws07	8/2/2022	10	378303	5957552			0.000000000	0.000000000
665	WT-22-107	N/A	visual	Blackwater		Upland	8/2/2022	10	378161	5957859			0.000000000	0.000000000
666	WT-22-107a	WT-22-816	visual	Blackwater		Ws07	8/2/2022	10	378237	5957844			0.000000000	0.000000000
668	WT-22-108	N/A	visual	Blackwater		Upland	8/2/2022	10	378031	5958873			0.000000000	0.000000000
745	WT-22-109	N/A	visual	Blackwater		Upland	8/24/2022	10	378225	5960111			0.000000000	0.000000000
742	WT-22-110	WT-22-110	visual	Blackwater		Ws04	8/24/2022	10	377640	5961136			0.000000000	0.000000000
740	WT-22-114	WT-22-114	visual	Blackwater		Ws04	8/24/2022	10	377951	5963052			0.000000000	0.000000000
739	WT-22-115	N/A	visual	Blackwater		Upland	8/24/2022	10	378088	5963154			0.000000000	0.000000000
738	WT-22-116	N/A	visual	Blackwater		Upland	8/24/2022	10	378237	5963498			0.000000000	0.000000000
736	WT-22-118	N/A	visual	Blackwater		Upland	8/24/2022	10	378547	5964541			0.000000000	0.000000000
689	WT-22-119	N/A	visual	Blackwater		Upland	8/3/2022	10	378594	5966686			0.000000000	0.000000000
690	WT-22-119a	N/A	visual	Blackwater		Upland	8/3/2022	10	378613	5966701			0.000000000	0.000000000
130	WT-22-123	N/A	visual	Blackwater	Gord Emery	Upland	8/3/2022	10	380482	5968327			973.189727738	4.740307870
294	WT-22-125	N/A	visual	Blackwater		Riparian	6/16/2022	10	381968	5970437			0.000000000	0.000000000
131	WT-22-126	N/A	visual	Blackwater	Natasha Bush	Riparian	8/4/2022	10	382097	5971338			1013.940625530	4.735156061
733	WT-22-128	WT-22-128	visual	Blackwater		Wm01	8/24/2022	10	381083	5973330			0.000000000	0.000000000
731	WT-22-129	WT-22-129	visual	Blackwater		Ws07	8/24/2022	10	381592	5973688			0.000000000	0.000000000
726	WT-22-130	N/A	visual	Blackwater		Upland	8/24/2022	10	379567	5980331			0.000000000	0.000000000
728	WT-22-130a	N/A	visual	Blackwater		Upland	8/24/2022	10	379898	5980193			0.000000000	0.000000000
724	WT-22-132	N/A	visual	Blackwater		Upland	8/24/2022	10	376803	5983303			0.000000000	0.000000000
725	WT-22-132a	N/A	visual	Blackwater		Upland	8/24/2022	10	377151	5983142			0.000000000	0.000000000
705	WT-22-137	N/A	visual	Blackwater		Riparian	8/4/2022	10	374613	5985515			0.000000000	0.000000000
132	WT-22-138	N/A	visual	Blackwater	Ryan Durand	Riparian	8/4/2022	10	372912	5986292	no	yes	852.452818132	4.730643761
707	WT-22-139	N/A	visual	Blackwater		Upland	8/4/2022	10	372573	5986493			0.000000000	0.000000000
708	WT-22-142	N/A	visual	Blackwater		Upland	8/5/2022	10	371832	5988785			0.000000000	0.000000000
718	WT-22-143	N/A	visual	Blackwater		Upland	8/24/2022	10	371027	5990817			0.000000000	0.000000000
716	WT-22-144	N/A	visual	Blackwater		Upland	8/24/2022	10	369046	5992263			0.000000000	0.000000000
717	WT-22-145	N/A	visual	Blackwater		Upland	8/24/2022	10	369810	5991956			0.000000000	0.000000000
710	WT-22-146	N/A	visual	Blackwater		Upland	8/5/2022	10	368959	5993272			0.000000000	0.000000000
35	WT-22-148	WT-22-148	full	Blackwater	Ryan Durand	Ws08	8/3/2022	10	380940	5974784	yes	yes	1178.641139580	4.721024530
651	WT-22-151	WT-22-151	visual	Blackwater		Ws04	8/1/2022	10	387144	5939689			0.000000000	0.000000000
682	WT-22-152	WT-22-762b	visual	Blackwater		Wb05	8/2/2022	10	395340	5934108			0.000000000	0.000000000
133	WT-22-153	WT-22-763	visual	Blackwater	Natasha Bush	Ws	8/2/2022	10	395320	5934025	no	yes	987.817568403	4.738152287
751	WT-22-154	WT-22-154	visual	Blackwater		Ws07	8/24/2022	10	381086	5948178			0.000000000	0.000000000
648	WT-22-156	WT-22-781	visual	Blackwater		Wb08	8/1/2022	10	386559	5939800			0.000000000	0.000000000
634	WT-22-157	WT-22-157	visual	Blackwater		Wb08	7/31/2022	10	398363	5922475			0.000000000	0.000000000
747	WT-22-160	WT-22-160	visual	Blackwater		Ws07	8/24/2022	10	378563	5956867			0.000000000	0.000000000
134	WT-22-161	WT-22-161	visual	Blackwater	Ryan Durand	Ws07	8/2/2022	10	378601	5966985	yes	yes	909.031074643	4.741152017
36	WT-22-163	WT-22-163	full	Blackwater	Ryan Durand	Ws04	8/3/2022	10	377883	5981663	yes	yes	1152.649256310	4.730205925
135	WT-22-164	N/A	visual	Blackwater	Ryan Durand	Upland	8/3/2022	10	381190	5974166	no	yes	1109.450870440	4.720500590
734	WT-22-165	N/A	visual	Blackwater		Upland	8/24/2022	10	381824	5971770			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
687	WT-22-166	N/A	visual	Blackwater		Fl02	8/3/2022	10	378721	5965519			0.000000000	0.000000000
746	WT-22-168	WT-22-168	visual	Blackwater		Ws07	8/24/2022	10	377803	5959600			0.000000000	0.000000000
136	WT-22-170	WT-22-764	visual	Blackwater	Gord Emery	Ws07	8/4/2022	10	393505	5936323	yes	yes	1023.004136440	4.695937535
685	WT-22-171	N/A	visual	Blackwater		Upland	8/2/2022	10	395189	5935933			0.000000000	0.000000000
137	WT-22-173	N/A	visual	Blackwater	Ryan Durand	Upland	8/4/2022	10	374091	5985524	no	yes	937.655556921	4.733979037
155	WT-22-173a	WT-22-311	visual	Blackwater	Ryan Durand	Upland	8/4/2022	10	374097	5985506		yes	940.277456929	4.731264188
703	WT-22-174	N/A	visual	Blackwater		Upland	8/3/2022	10	381102	5979156			0.000000000	0.000000000
410	WT-22-179	WT-22-179	visual	Blackwater		Ws07	7/11/2022	10	387943	5910111			0.000000000	0.000000000
636	WT-22-180	N/A	visual	Blackwater		Upland	7/31/2022	10	396103	5930853			0.000000000	0.000000000
138	WT-22-184a	N/A	visual	Blackwater	Natasha Bush	Upland	8/3/2022	10	380177	5968130	no		968.990701879	4.738608847
693	WT-22-185	N/A	visual	Blackwater		Riparian	8/3/2022	10	381312	5969399			0.000000000	0.000000000
694	WT-22-186	N/A	visual	Blackwater		Riparian	8/3/2022	10	381745	5970331			0.000000000	0.000000000
653	WT-22-188	WT-22-812	visual	Blackwater		Ws07	8/1/2022	10	387426	5939624			0.000000000	0.000000000
609	WT-22-189	WT-22-189	visual	Blackwater		Ws07	7/31/2022	10	378605	5904974			0.000000000	0.000000000
139	WT-22-190	WT-22-190	visual	Blackwater	Ryan Durand	Wb08	7/29/2022	10	378959	5901821	yes	yes	1116.114093350	4.765215168
37	WT-22-191	WT-22-808	full	Blackwater	Ryan Durand	Wb08	7/29/2022	10	379069	5901589	yes	yes	1111.839118930	4.739690921
547	WT-22-191a	N/A	visual	Blackwater		Upland	7/29/2022	10	379109	5901611			0.000000000	0.000000000
548	WT-22-191b	WT-22-807	visual	Blackwater		Ws07	7/29/2022	10	379134	5901585			0.000000000	0.000000000
550	WT-22-191c	WT-22-809	visual	Blackwater		Ws07	7/29/2022	10	379181	5901508			0.000000000	0.000000000
539	WT-22-192	WT-22-192	visual	Blackwater		Ws07	7/29/2022	10	379165	5900710			0.000000000	0.000000000
544	WT-22-192a	WT-22-192	visual	Blackwater		Ws07	7/29/2022	10	379045	5900647			0.000000000	0.000000000
600	WT-22-193	WT-22-193	visual	Blackwater		Wb08	7/30/2022	10	379153	5899490			0.000000000	0.000000000
38	WT-22-194	WT-22-206	full	Blackwater	Claudia Houwers	Ws07	7/9/2022	10	378739	5899902	yes	no	1114.500000000	5.000000000
307	WT-22-194a	N/A	visual	Blackwater		Upland	7/9/2022	10	378860	5900127			0.000000000	0.000000000
308	WT-22-194b	N/A	visual	Blackwater		Ws07	7/9/2022	10	378753	5899946			0.000000000	0.000000000
140	WT-22-195	WT-22-195	visual	Blackwater	Ryan Durand	Wb05	7/30/2022	10	378531	5897028	yes	yes	1240.580618930	4.737137389
141	WT-22-196	WT-22-196	visual	Blackwater	Ryan Durand	Ws07	7/30/2022	10	378807	5896997	no	no	1238.525551800	4.730347350
607	WT-22-199	WT-22-222	visual	Blackwater		Ws07	7/30/2022	10	378950	5899493			0.000000000	0.000000000
142	WT-22-201	WT-22-201	visual	Blackwater	Ryan Durand	Ws08	7/12/2022	10	378538	5895498	yes		1272.545640000	4.705929222
39	WT-22-202	WT-22-202a	full	Blackwater	Ryan Durand	Ws07	7/30/2022	10	378789	5896786	yes	no	1241.825566990	4.728170245
414	WT-22-202a	WT-22-202b	visual	Blackwater		Ws08	7/12/2022	10	378336	5895690			0.000000000	0.000000000
415	WT-22-202b	WT-22-202b	visual	Blackwater		Transition	7/12/2022	10	378385	5895736			0.000000000	0.000000000
416	WT-22-202c	WT-22-202b	visual	Blackwater		Wb05	7/12/2022	10	378397	5895720			0.000000000	0.000000000
576	WT-22-202d	WT-22-202a	visual	Blackwater		Ws07	7/30/2022	10	378623	5896341			0.000000000	0.000000000
577	WT-22-202e	WT-22-202a	visual	Blackwater		Ws07	7/30/2022	10	378671	5896422			0.000000000	0.000000000
40	WT-22-204	WT-22-204	full	Blackwater	Ryan Durand	Wb08	7/29/2022	10	379144	5900620	yes	yes	1138.072118200	4.735682849
538	WT-22-204a	WT-22-192	visual	Blackwater		Ws07	7/29/2022	10	379089	5900676			0.000000000	0.000000000
540	WT-22-205	WT-22-205a	visual	Blackwater		Wm01	7/29/2022	10	379043	5900680			0.000000000	0.000000000
541	WT-22-205a	WT-22-205b	visual	Blackwater		Ww	7/29/2022	10	379027	5900680			0.000000000	0.000000000
537	WT-22-206	WT-22-206	visual	Blackwater		Ws07	7/29/2022	10	379266	5901041			0.000000000	0.000000000
536	WT-22-207	WT-22-206	visual	Blackwater		Ws07	7/29/2022	10	379142	5900223			0.000000000	0.000000000
41	WT-22-209	WT-22-209	full	Blackwater	Ryan Durand	Wb08	7/12/2022	10	378391	5895754	yes		1263.625904000	4.738449968
581	WT-22-212	WT-22-212b	visual	Blackwater		Wb08	7/30/2022	10	378435	5896647			0.000000000	0.000000000
582	WT-22-213	WT-22-213	visual	Blackwater		Ws07	7/30/2022	10	378496	5896661			0.000000000	0.000000000
583	WT-22-213a	WT-22-213	visual	Blackwater		Ws07	7/30/2022	10	378482	5896608			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
143	WT-22-215	WT-22-215a	visual	Blackwater	Ryan Durand	Wf01	7/30/2022	10	378589	5897038	yes	no	1241.841546650	4.733154217
309	WT-22-219	WT-22-219	visual	Blackwater		Ws07	7/9/2022	10	377833	5899098			0.000000000	0.000000000
252	WT-22-219a	WT-22-219	visual	Blackwater	Danielle Mai	Wb08	7/9/2022	10	377833	5899099	no	no	1169.299194000	12.434356740
42	WT-22-220	WT-22-220	full	Blackwater	Claudia Houwers	Ws04	7/9/2022	10	377917	5899094	yes	no	1163.500000000	5.000000000
310	WT-22-220a	WT-22-220	visual	Blackwater		Ws04	7/9/2022	10	377918	5899093			0.000000000	0.000000000
601	WT-22-223	WT-22-223	visual	Blackwater		Wb08	7/30/2022	10	379098	5899457			0.000000000	0.000000000
602	WT-22-223a	WT-22-223	visual	Blackwater		Wb05	7/30/2022	10	379057	5899467			0.000000000	0.000000000
605	WT-22-223b	WT-22-223	visual	Blackwater		Wb08/Wb05	7/30/2022	10	378970	5899540			0.000000000	0.000000000
606	WT-22-223c	WT-22-223	visual	Blackwater		Wb08	7/30/2022	10	378978	5899500			0.000000000	0.000000000
608	WT-22-223d	WT-22-223	visual	Blackwater		Wb05	7/30/2022	10	378992	5899458			0.000000000	0.000000000
604	WT-22-224	WT-22-224	visual	Blackwater		Ws07	7/30/2022	10	378994	5899549			0.000000000	0.000000000
144	WT-22-226	WT-22-226	visual	Blackwater	Ryan Durand	Ws04	7/29/2022	10	379124	5900186	no	no	1134.950127310	4.734021517
145	WT-22-227	WT-22-206	visual	Blackwater	Danielle Mai	Ws07	7/9/2022	10	379015	5900130	no	no	1138.682929000	10.545318120
43	WT-22-227a	WT-22-227	full	Blackwater	Claudia Houwers	Ws07	7/9/2022	10	378921	5900161	yes	no	1138.100000000	5.000000000
306	WT-22-227b	WT-22-206	visual	Blackwater		Ws07	7/9/2022	10	379016	5900134			0.000000000	0.000000000
535	WT-22-227c	WT-22-206	visual	Blackwater		Ws07	7/29/2022	10	379082	5900204			0.000000000	0.000000000
554	WT-22-228	WT-22-228	visual	Blackwater		Wf01	7/29/2022	10	378883	5901729			0.000000000	0.000000000
552	WT-22-229	N/A	visual	Blackwater		Upland	7/29/2022	10	378876	5901834			0.000000000	0.000000000
553	WT-22-229a	WT-22-229	visual	Blackwater		Wb08	7/29/2022	10	378922	5901823			0.000000000	0.000000000
543	WT-22-231	WT-22-231	visual	Blackwater		Wb08	7/29/2022	10	378981	5900634			0.000000000	0.000000000
610	WT-22-232	N/A	visual	Blackwater		Ws07	7/31/2022	10	378608	5904915			0.000000000	0.000000000
44	WT-22-236	WT-22-236	full	Blackwater	Claudia Houwers	Ws07	7/26/2022	10	382898	5908882	yes	yes	935.300000000	5.000000000
615	WT-22-238	N/A	visual	Blackwater		Upland	7/31/2022	10	385140	5909475			0.000000000	0.000000000
616	WT-22-239	N/A	visual	Blackwater		Upland	7/31/2022	10	385131	5909426			0.000000000	0.000000000
631	WT-22-243	WT-22-243	visual	Blackwater		Wm01	7/31/2022	10	396043	5920956			0.000000000	0.000000000
146	WT-22-244	WT-22-244	visual	Blackwater	Ryan Durand	Ws07	7/31/2022	10	397333	5922003	no	yes	1096.515243870	4.734724417
147	WT-22-246	WT-22-762a	visual	Blackwater	Natasha Bush	Wf02/Wb05	8/2/2022	10	394933	5933611	no	yes	979.032101254	4.736181024
125	WT-22-247	WT-22-762a	visual	Blackwater	Natasha Bush	Wm01	8/2/2022	10	394907	5933573	no	yes	975.869135108	4.729574560
148	WT-22-249	N/A	visual	Blackwater	Natasha Bush	Upland	8/2/2022	10	395988	5935029			1026.511734420	4.739298620
149	WT-22-250	WT-22-250	visual	Blackwater	Natasha Bush	Wb05	8/2/2022	10	395963	5935450	no	yes	1020.866878170	4.741719880
683	WT-22-250a	WT-22-250	visual	Blackwater		Wb05	8/2/2022	10	395965	5935449			0.000000000	0.000000000
150	WT-22-252	N/A	visual	Blackwater	Natasha Bush	Riparian	8/3/2022	10	390173	5937750	no	yes	939.422283721	4.736923402
697	WT-22-252a	N/A	visual	Blackwater		Riparian	8/3/2022	10	390174	5937749			0.000000000	0.000000000
645	WT-22-255	WT-22-255	visual	Blackwater		Ws04	8/1/2022	10	386546	5939764			0.000000000	0.000000000
646	WT-22-255a	WT-22-255	visual	Blackwater		Wm01	8/1/2022	10	386557	5939768			0.000000000	0.000000000
647	WT-22-256	WT-22-782	visual	Blackwater		Wb08	8/1/2022	10	386578	5939750			0.000000000	0.000000000
642	WT-22-257a	WT-22-257	visual	Blackwater		Wm01	8/1/2022	10	386287	5940015			0.000000000	0.000000000
765	WT-22-259	N/A	visual	Blackwater		Upland	8/24/2022	10	383697	5944229			0.000000000	0.000000000
762	WT-22-263	WT-22-263	visual	Blackwater		Wf01	8/24/2022	10	382887	5944266			0.000000000	0.000000000
151	WT-22-268	WT-22-268	visual	Blackwater	Ryan Durand	Ws07	8/1/2022	10	382182	5944368	yes	yes	880.751925190	4.729132570
659	WT-22-269	N/A	visual	Blackwater		Ws07	8/1/2022	10	382273	5944535			0.000000000	0.000000000
759	WT-22-273	N/A	visual	Blackwater		Wf01	8/24/2022	10	381399	5945066			0.000000000	0.000000000
760	WT-22-273a	WT-22-813	visual	Blackwater		Wf02	8/24/2022	10	381572	5945163			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
660	WT-22-279	WT-22-100	visual	Blackwater		Ws07	8/2/2022	10	378623	5953652			0.000000000	0.000000000
749	WT-22-283	WT-22-815	visual	Blackwater		Ws07	8/24/2022	10	378333	5955355			0.000000000	0.000000000
152	WT-22-284	WT-22-108	visual	Blackwater	Ryan Durand	Ws07	8/2/2022	10	378013	5958893	yes	yes	822.697434105	4.736890901
153	WT-22-285	WT-22-285	visual	Blackwater	Ryan Durand	Ws07	8/2/2022	10	377923	5959457	yes	yes	817.323221902	4.733499160
744	WT-22-286	N/A	visual	Blackwater		Upland	8/24/2022	10	377767	5960185			0.000000000	0.000000000
743	WT-22-287	N/A	visual	Blackwater		Ws04	8/24/2022	10	377903	5960832			0.000000000	0.000000000
670	WT-22-291	N/A	visual	Blackwater		Upland	8/2/2022	10	378664	5966936			0.000000000	0.000000000
698	WT-22-294	WT-22-148	visual	Blackwater		Ws08	8/3/2022	10	380977	5974801			0.000000000	0.000000000
701	WT-22-295	N/A	visual	Blackwater		Upland	8/3/2022	10	380929	5977358			0.000000000	0.000000000
700	WT-22-296	N/A	visual	Blackwater		Upland	8/3/2022	10	380870	5977357			0.000000000	0.000000000
154	WT-22-298	N/A	visual	Blackwater	Ryan Durand	Upland	8/3/2022	10	381035	5979395	no	yes	812.315145855	4.739391047
702	WT-22-298a	N/A	visual	Blackwater		Upland	8/3/2022	10	381014	5979370			0.000000000	0.000000000
723	WT-22-307	N/A	visual	Blackwater		Upland	8/24/2022	10	376390	5984022			0.000000000	0.000000000
720	WT-22-309	N/A	visual	Blackwater		Ws07	8/24/2022	10	375142	5984755			0.000000000	0.000000000
45	WT-22-311	WT-22-311	full	Blackwater	Ryan Durand	Ws07	8/4/2022	10	374105	5985526	yes	yes	938.343459046	4.736985967
706	WT-22-312	N/A	visual	Blackwater		Upland	8/4/2022	10	373880	5985047			0.000000000	0.000000000
156	WT-22-313	N/A	visual	Blackwater	Ryan Durand	Upland	8/5/2022	10	371780	5987924			773.123238897	4.724686172
719	WT-22-315	WT-22-315	visual	Blackwater		Ws07	8/24/2022	10	371420	5990281			0.000000000	0.000000000
712	WT-22-316	N/A	visual	Blackwater		Ws04	8/5/2022	10	368815	5992852			0.000000000	0.000000000
715	WT-22-317	WT-22-319	visual	Blackwater		Ws07	8/5/2022	10	369049	5992996			0.000000000	0.000000000
713	WT-22-318	WT-22-318	visual	Blackwater		Ww	8/5/2022	10	368864	5992905			0.000000000	0.000000000
714	WT-22-319	WT-22-319	visual	Blackwater		Ws07	8/5/2022	10	368934	5992909			0.000000000	0.000000000
711	WT-22-320	N/A	visual	Blackwater		Upland	8/5/2022	10	369044	5993205			0.000000000	0.000000000
709	WT-22-321	N/A	visual	Blackwater		Upland	8/5/2022	10	368791	5993403			0.000000000	0.000000000
157	WT-22-323	N/A	visual	Blackwater	Ryan Durand	Upland	8/3/2022	10	381144	5974116	no	yes	1104.866542820	3.535533906
584	WT-22-325	WT-22-324	visual	Blackwater		Wm01	7/30/2022	10	378343	5896218			0.000000000	0.000000000
585	WT-22-326	WT-22-326	visual	Blackwater		Wf01	7/30/2022	10	378369	5896183			0.000000000	0.000000000
158	WT-22-328	WT-22-328d	visual	Blackwater	Ryan Durand	Ws08	7/9/2022	10	371436	5894601	no		1349.526593000	4.738420210
159	WT-22-329	WT-22-329	visual	Blackwater	Ryan Durand	Wm01	7/10/2022	10	372432	5895461	no	no	1311.050965000	4.732953163
366	WT-22-329a	WT-22-329	visual	Blackwater		Wb05	7/10/2022	10	372492	5895449			0.000000000	0.000000000
471	WT-22-330	WT-22-330	visual	Blackwater		Ws08	7/27/2022	10	373121	5895693			0.000000000	0.000000000
46	WT-22-332	WT-22-332	full	Blackwater	Claudia Houwers	Wf07	7/11/2022	10	375086	5898748	yes	no	1253.800000000	5.000000000
160	WT-22-332a	WT-22-332	visual	Blackwater	Danielle Mai	Wf08	7/11/2022	10	375087	5898744	no	no	1252.904368000	7.879801987
388	WT-22-332b	WT-22-332	visual	Blackwater		Wf07/Wf08	7/11/2022	10	375086	5898747			0.000000000	0.000000000
47	WT-22-333	WT-22-333	full	Blackwater	Claudia Houwers	Wm	7/29/2022	10	376774	5897292	yes	no	1253.200000000	5.000000000
500	WT-22-334	WT-22-334	visual	Blackwater		PD	7/28/2022	10	376477	5898413			0.000000000	0.000000000
501	WT-22-334a	WT-22-334	visual	Blackwater		Ww	7/28/2022	10	376428	5898407			0.000000000	0.000000000
502	WT-22-334b	WT-22-334	visual	Blackwater		Wm01	7/28/2022	10	376407	5898405			0.000000000	0.000000000
161	WT-22-336	N/A	visual	Blackwater	Danielle Mai	Ws07	7/11/2022	10	375326	5898634	no		1286.309379000	3.454091900
491	WT-22-336a	WT-22-336c	visual	Blackwater		Ws07	7/28/2022	10	375475	5898451			0.000000000	0.000000000
492	WT-22-336b	WT-22-336b	visual	Blackwater		Ws07	7/28/2022	10	375554	5898452			0.000000000	0.000000000
490	WT-22-338a	WT-22-338a	visual	Blackwater		Ws08	7/28/2022	10	373898	5898189			0.000000000	0.000000000
118	WT-22-338b	WT-22-338e	visual	Blackwater	Shantanu Dutt	Wb08	7/28/2022	10	374738	5897677			0.000000000	0.000000000
162	WT-22-338b1	WT-22-338b	visual	Blackwater	Shantanu Dutt	Ws08	7/28/2022	10	374502	5897919			0.000000000	0.000000000
164	WT-22-338b10	WT-22-338f	visual	Blackwater	Shantanu Dutt	Ws08	7/28/2022	10	374730	5897634			0.000000000	0.000000000
489	WT-22-338b2	WT-22-338b	visual	Blackwater		Ws08	7/28/2022	10	373975	5898185			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
512	WT-22-338b3	WT-22-338b	visual	Blackwater		Upland	7/28/2022	10	374508	5897929			0.000000000	0.000000000
514	WT-22-338b4	WT-22-338c	visual	Blackwater		Upland	7/28/2022	10	374651	5897885			0.000000000	0.000000000
520	WT-22-338b5	WT-22-338e	visual	Blackwater		Wb08	7/28/2022	10	374741	5897688			0.000000000	0.000000000
521	WT-22-338b6	WT-22-338f	visual	Blackwater		Upland	7/28/2022	10	374735	5897644			0.000000000	0.000000000
529	WT-22-338b7	WT-22-338b	visual	Blackwater		Upland	7/29/2022	10	374914	5898036			0.000000000	0.000000000
530	WT-22-338b8	WT-22-338b	visual	Blackwater		Ws07	7/29/2022	10	375065	5898012			0.000000000	0.000000000
163	WT-22-338b9	WT-22-338c	visual	Blackwater	Shantanu Dutt	Ws08	7/28/2022	10	374644	5897884			0.000000000	0.000000000
165	WT-22-341	N/A	visual	Blackwater	Ryan Durand	Riparian	7/10/2022	10	372582	5895742	no	no	1334.973667000	4.687568260
284	WT-22-343	WT-22-343	visual	Blackwater		Wb05	6/14/2022	10	378273	5895333			0.000000000	0.000000000
571	WT-22-343a	WT-22-343	visual	Blackwater		Wb05	7/30/2022	10	378192	5895297			0.000000000	0.000000000
572	WT-22-343b	WT-22-343	visual	Blackwater		Wb05	7/30/2022	10	378263	5895351			0.000000000	0.000000000
573	WT-22-343c	WT-22-343	visual	Blackwater		Wb08	7/30/2022	10	378245	5895245			0.000000000	0.000000000
574	WT-22-343d	WT-22-343	visual	Blackwater		Wf04	7/30/2022	10	378252	5895318			0.000000000	0.000000000
48	WT-22-345	WT-22-345b	full	Blackwater	Ryan Durand	Wf04	7/9/2022	10	375350	5893851	yes	no	1489.792446000	4.596484792
166	WT-22-345a	WT-22-345a	visual	Blackwater	Ryan Durand	Ws08	7/9/2022	10	375425	5893861	yes		1493.609321000	4.732246295
342	WT-22-345b	WT-22-345a	visual	Blackwater		Ws	7/9/2022	10	375519	5893858			0.000000000	0.000000000
343	WT-22-345c	WT-22-345a	visual	Blackwater		Ws	7/9/2022	10	375583	5893865			0.000000000	0.000000000
344	WT-22-345d	WT-22-345a	visual	Blackwater		Ws	7/9/2022	10	375636	5893859			0.000000000	0.000000000
167	WT-22-347	WT-22-347	visual	Blackwater	Danielle Mai	Wf02	7/8/2022	10	373865	5894263	yes	no	1429.009983000	4.715812122
304	WT-22-347a	WT-22-347	visual	Blackwater		Wf11	7/8/2022	10	373871	5894243			0.000000000	0.000000000
49	WT-22-348	WT-22-348b	full	Blackwater	Claudia Houwers	Wf11	7/8/2022	10	373976	5894323	yes	no	1432.100000000	5.000000000
168	WT-22-348a	WT-22-348a	visual	Blackwater	Danielle Mai	Wf13	7/8/2022	10	373959	5894303	no	no	1425.481593000	4.725947506
303	WT-22-348a2	WT-22-348a	visual	Blackwater		Wf13	7/8/2022	10	373961	5894309			0.000000000	0.000000000
333	WT-22-349	WT-22-349a	visual	Blackwater		Wf02	7/10/2022	10	375251	5896463			0.000000000	0.000000000
263	WT-22-349a	WT-22-349a	visual	Blackwater	Danielle Mai	Wb08	7/10/2022	10	375249	5896456	no	no	1264.931382000	3.170967847
169	WT-22-350	WT-22-350	visual	Blackwater	Danielle Mai	Wb08	7/10/2022	10	375128	5896259	no	no	1278.258213000	5.876014508
337	WT-22-350a	WT-22-350	visual	Blackwater		Wb08	7/10/2022	10	375099	5896270			0.000000000	0.000000000
443	WT-22-351	WT-22-735	visual	Blackwater		Wb08	7/27/2022	10	373823	5896081			0.000000000	0.000000000
444	WT-22-351a	WT-22-735	visual	Blackwater		Wb08	7/27/2022	10	373790	5896081			0.000000000	0.000000000
431	WT-22-352	WT-22-652	visual	Blackwater		Upland	7/27/2022	10	374101	5896096			0.000000000	0.000000000
433	WT-22-352a	N/A	visual	Blackwater		Upland	7/27/2022	10	374109	5896071			0.000000000	0.000000000
434	WT-22-352b	N/A	visual	Blackwater		Upland	7/27/2022	10	374063	5896085			0.000000000	0.000000000
435	WT-22-352c	N/A	visual	Blackwater		Ws07	7/27/2022	10	374056	5896090			0.000000000	0.000000000
436	WT-22-352d	N/A	visual	Blackwater		Upland	7/27/2022	10	374003	5896080			0.000000000	0.000000000
437	WT-22-352e	WT-22-652	visual	Blackwater		Upland	7/27/2022	10	374012	5896111			0.000000000	0.000000000
438	WT-22-352f	N/A	visual	Blackwater		Upland	7/27/2022	10	374002	5896129			0.000000000	0.000000000
440	WT-22-352g	N/A	visual	Blackwater		Upland	7/27/2022	10	373970	5896122			0.000000000	0.000000000
441	WT-22-352h	N/A	visual	Blackwater		Upland	7/27/2022	10	373943	5896114			0.000000000	0.000000000
442	WT-22-352i	WT-22-736	visual	Blackwater		Ws07	7/27/2022	10	373870	5896065			0.000000000	0.000000000
171	WT-22-353b	WT-22-353b	visual	Blackwater	Ryan Durand	Wb08	7/27/2022	10	373524	5895960	yes	no	1301.921170370	4.735218676
170	WT-22-353c	WT-22-353c	visual	Blackwater	Ryan Durand	Ws07	7/27/2022	10	373575	5896018	no	no	1307.534120160	4.724946035
172	WT-22-354	WT-22-354	visual	Blackwater	Ryan Durand	Wb08	7/27/2022	10	373067	5895880	no		1319.583201880	4.731831192
467	WT-22-354a	WT-22-354	visual	Blackwater		Wb08	7/27/2022	10	373127	5895848			0.000000000	0.000000000
50	WT-22-355	WT-22-355a	full	Blackwater	Ryan Durand	Ws08	7/9/2022	10	376472	5893994	yes	no	1461.389616000	4.722000706
351	WT-22-355av	N/A	visual	Blackwater		Upland	7/9/2022	10	376477	5894017			0.000000000	0.000000000
347	WT-22-356	N/A	visual	Blackwater		Upland	7/9/2022	10	376062	5893820			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
349	WT-22-356a	N/A	visual	Blackwater		Upland	7/9/2022	10	376024	5893895			0.000000000	0.000000000
525	WT-22-357	WT-22-796	visual	Blackwater		Ws08	7/29/2022	10	374045	5893868			0.000000000	0.000000000
173	WT-22-358a	WT-22-358a	visual	Blackwater	Ryan Durand	Ws07	7/28/2022	10	376054	5898365	no	no	1238.450494890	4.734332368
505	WT-22-358a1	WT-22-358a	visual	Blackwater		Ws	7/28/2022	10	376133	5898323			0.000000000	0.000000000
506	WT-22-358a2	WT-22-358a	visual	Blackwater		Ws07	7/28/2022	10	376164	5898334			0.000000000	0.000000000
507	WT-22-358a3	WT-22-358a	visual	Blackwater		Ws	7/28/2022	10	376093	5898393			0.000000000	0.000000000
504	WT-22-358b	WT-22-358b	visual	Blackwater		Ws07	7/28/2022	10	376275	5898330			0.000000000	0.000000000
174	WT-22-358c	WT-22-358c	visual	Blackwater	Ryan Durand	Ws07.1	7/28/2022	10	376388	5898334	yes	no	1224.890234160	4.740871808
175	WT-22-359	WT-22-359a	visual	Blackwater	Shantanu Dutt	Ws08	7/30/2022	10	376823	5896998			0.000000000	0.000000000
587	WT-22-359a	N/A	visual	Blackwater		Riparian	7/30/2022	10	376757	5896839			0.000000000	0.000000000
586	WT-22-359b	WT-22-359a	visual	Blackwater		Ws08	7/30/2022	10	376825	5896998			0.000000000	0.000000000
591	WT-22-360	N/A	visual	Blackwater		Upland	7/30/2022	10	376325	5895877			0.000000000	0.000000000
176	WT-22-361b	WT-22-780b	visual	Blackwater	Ryan Durand	Ws08	7/9/2022	10	371500	5895762	no	no	1377.700000000	5.000000000
487	WT-22-362a	N/A	visual	Blackwater		Ws08	7/28/2022	10	374354	5896917			0.000000000	0.000000000
177	WT-22-362b	WT-22-362b	visual	Blackwater	Danielle Mai	Ws08	7/11/2022	10	374469	5896922	no	no	1333.764881000	10.865954400
370	WT-22-362b1	WT-22-362b	visual	Blackwater		Ws08	7/11/2022	10	374627	5896890			0.000000000	0.000000000
371	WT-22-362b2	WT-22-362b	visual	Blackwater		Ws08	7/11/2022	10	374462	5896918			0.000000000	0.000000000
178	WT-22-363	N/A	visual	Blackwater	Danielle Mai	Ws07	7/10/2022	10	376133	5897532	no	no	1247.797409000	3.030584758
340	WT-22-363a	WT-22-363	visual	Blackwater		Ws07	7/10/2022	10	376146	5897533			0.000000000	0.000000000
179	WT-22-364	WT-22-364	visual	Blackwater	Danielle Mai	Ws08	7/10/2022	10	376116	5896923	no	no	1293.036071000	2.993366882
341	WT-22-364v	N/A	visual	Blackwater		Ws08/01	7/10/2022	10	376007	5896355			0.000000000	0.000000000
180	WT-22-365	WT-22-365	visual	Blackwater	Danielle Mai	Ws08	7/11/2022	10	374792	5898862	no	no	1269.499079000	15.048999540
381	WT-22-365a	WT-22-365	visual	Blackwater		Ws08	7/11/2022	10	374803	5898871			0.000000000	0.000000000
51	WT-22-367	WT-22-367a	full	Blackwater	Ryan Durand	Wf04	7/9/2022	10	376071	5893917	yes	no	1460.524918000	4.737335661
348	WT-22-367a	WT-22-367b	visual	Blackwater		Upland	7/9/2022	10	376094	5893910			0.000000000	0.000000000
447	WT-22-371	WT-22-371a	visual	Blackwater		Riparian	7/27/2022	10	373778	5895937			0.000000000	0.000000000
449	WT-22-371a	WT-22-371a	visual	Blackwater		Wm01	7/27/2022	10	373803	5895963			0.000000000	0.000000000
52	WT-22-373	WT-22-373	full	Blackwater	Claudia Houwers	Wb10	7/11/2022	10	374557	5896790	yes	no	1323.200000000	5.000000000
368	WT-22-373a	WT-22-373	visual	Blackwater		Wb	7/11/2022	10	374558	5896790			0.000000000	0.000000000
369	WT-22-373b	WT-22-373	visual	Blackwater		Wb10	7/11/2022	10	374560	5896789			0.000000000	0.000000000
181	WT-22-379	N/A	visual	Blackwater	Danielle Mai	Wb05	7/11/2022	10	375293	5898480	no		1294.173222000	4.638624059
391	WT-22-379a	WT-22-379	visual	Blackwater		Wb05	7/11/2022	10	375113	5898539			0.000000000	0.000000000
182	WT-22-380	N/A	visual	Blackwater	Danielle Mai	Wb05	7/11/2022	10	375327	5898544	no		1286.903253000	4.527423847
390	WT-22-380a	WT-22-380	visual	Blackwater		Wb05	7/11/2022	10	375212	5898593			0.000000000	0.000000000
183	WT-22-381	WT-22-381	visual	Blackwater	Danielle Mai	Wf02	7/11/2022	10	375026	5898783	no	no	1254.175227000	8.082943365
387	WT-22-381a	WT-22-381	visual	Blackwater		Wf02/wb05	7/11/2022	10	375029	5898787			0.000000000	0.000000000
184	WT-22-382	WT-22-382	visual	Blackwater	Danielle Mai	Wb05	7/11/2022	10	374868	5898965	no	no	1259.839375000	3.332948758
380	WT-22-382a	WT-22-382	visual	Blackwater		Wb05	7/11/2022	10	374872	5898968			0.000000000	0.000000000
185	WT-22-383	WT-22-383	visual	Blackwater	Ryan Durand	Wb08	7/29/2022	10	375011	5898990	no	no	1260.792406360	4.739106793
531	WT-22-383a	N/A	visual	Blackwater		Upland	7/29/2022	10	374969	5899006			0.000000000	0.000000000
532	WT-22-383b	WT-22-383	visual	Blackwater		Upland	7/29/2022	10	375031	5898977			0.000000000	0.000000000
53	WT-22-390a	WT-22-390a	full	Blackwater	Claudia Houwers	Wb10	7/27/2022	10	372948	5894064	yes	no	1450.135653600	3.121775777
472	WT-22-390b	WT-22-390b	visual	Blackwater		3	7/27/2022	10	373120	5894016			0.000000000	0.000000000
524	WT-22-390b1	WT-22-390b	visual	Blackwater		Upland	7/29/2022	10	373062	5894083			0.000000000	0.000000000
54	WT-22-391	WT-22-391	full	Blackwater	Claudia Houwers	Wf11	7/27/2022	10	373744	5892961	yes	no	1535.791289190	4.810375033
291	WT-22-391a	WT-22-391	visual	Blackwater		Wf	6/15/2022	10	373749	5892965			0.000000000	0.000000000
186	WT-22-392	N/A	visual	Blackwater	Danielle Mai	Upland	7/8/2022	10	374200	5894145	no	no	1438.776981000	5.946728164
187	WT-22-392a	WT-22-392	visual	Blackwater	Danielle Mai	Wf01	7/8/2022	10	374146	5894207	no	no	1420.612138000	4.123159270

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
188	WT-22-392b	WT-22-392	visual	Blackwater	Danielle Mai	Wb08	7/8/2022	10	374158	5894206	no	no	1425.024153000	10.881032930
302	WT-22-392c	WT-22-392	visual	Blackwater		Wb08	7/8/2022	10	374163	5894207			0.000000000	0.000000000
509	WT-22-393	N/A	visual	Blackwater		Upland	7/28/2022	10	373628	5893862			0.000000000	0.000000000
189	WT-22-394	N/A	visual	Blackwater	Ryan Durand	Sc03	7/7/2022	10	375344	5892533	no	no	1643.084803000	4.769039882
190	WT-22-395	N/A	visual	Blackwater	Danielle Mai	Upland	7/11/2022	10	375296	5895932	no	no	1346.495471000	12.168450970
374	WT-22-395a	N/A	visual	Blackwater		Riparian	7/11/2022	10	375294	5895940			0.000000000	0.000000000
593	WT-22-396	N/A	visual	Blackwater		Upland	7/30/2022	10	375871	5895799			0.000000000	0.000000000
191	WT-22-397	WT-22-397a	visual	Blackwater	Shantanu Dutt	Upland	7/30/2022	10	376298	5895956			0.000000000	0.000000000
192	WT-22-397a	WT-22-397a	visual	Blackwater	Shantanu Dutt	Wm01	7/30/2022	10	376334	5895917			0.000000000	0.000000000
588	WT-22-397b	WT-22-397a	visual	Blackwater		Upland	7/30/2022	10	376299	5895958			0.000000000	0.000000000
589	WT-22-397c	WT-22-397a	visual	Blackwater		Wm01	7/30/2022	10	376339	5895918			0.000000000	0.000000000
55	WT-22-398	WT-22-398b	full	Blackwater	Claudia Houwers	Wb05	7/9/2022	10	377450	5896916	yes	no	1269.200000000	5.000000000
287	WT-22-398a	WT-22-398b	visual	Blackwater		Wb/Ws	6/14/2022	10	377448	5896918			0.000000000	0.000000000
56	WT-22-399	WT-22-399b	full	Blackwater	Claudia Houwers	Wf06	7/30/2022	10	376315	5896432	yes	no	1303.900000000	5.000000000
57	WT-22-403	WT-22-506	full	Blackwater	Ryan Durand	Ws08	7/10/2022	10	372790	5895518	no	no	1314.160169000	4.715522755
193	WT-22-404	WT-22-404	visual	Blackwater	Danielle Mai	Wb08	7/10/2022	10	375171	5896367	no	no	1272.641761000	5.727117572
335	WT-22-404a	WT-22-404	visual	Blackwater		Wb08	7/10/2022	10	375175	5896365			0.000000000	0.000000000
58	WT-22-405	WT-22-405	full	Blackwater	Claudia Houwers	Wf13	7/10/2022	10	375251	5896405	yes	no	1268.700000000	5.000000000
334	WT-22-405a	WT-22-405	visual	Blackwater		Wf11	7/10/2022	10	375253	5896405			0.000000000	0.000000000
194	WT-22-406	WT-22-406	visual	Blackwater	Danielle Mai	Wb08	7/10/2022	10	375429	5896614	no	no	1272.934395000	7.962317853
195	WT-22-406a	WT-22-406	visual	Blackwater	Danielle Mai	Wb08	7/10/2022	10	375324	5896557	no	no	1268.469440000	3.952397539
329	WT-22-406b	WT-22-406	visual	Blackwater		Ws08	7/10/2022	10	375433	5896618			0.000000000	0.000000000
330	WT-22-406c	WT-22-406	visual	Blackwater		Wb08	7/10/2022	10	375325	5896566			0.000000000	0.000000000
196	WT-22-407	WT-22-802	visual	Blackwater	Ryan Durand	Wb08	7/28/2022	10	373908	5895692	yes	no	1329.280781240	4.734561156
197	WT-22-409	WT-22-793	visual	Blackwater	Ryan Durand	Ws07	7/27/2022	10	373160	5895813	no	no	1317.889575800	4.732730346
468	WT-22-409a	WT-22-793	visual	Blackwater		Ws	7/27/2022	10	373147	5895797			0.000000000	0.000000000
469	WT-22-409b	N/A	visual	Blackwater		Upland	7/27/2022	10	373117	5895790			0.000000000	0.000000000
476	WT-22-410	WT-22-330	visual	Blackwater		Ws08	7/28/2022	10	373194	5895666			0.000000000	0.000000000
475	WT-22-411	N/A	visual	Blackwater		Riparian	7/28/2022	10	373243	5895739			0.000000000	0.000000000
283	WT-22-413	WT-22-413	visual	Blackwater		Wf02	6/14/2022	10	376326	5893984			0.000000000	0.000000000
480	WT-22-414	WT-22-414	visual	Blackwater		Wm01	7/28/2022	10	374634	5896246			0.000000000	0.000000000
483	WT-22-414a	WT-22-414	visual	Blackwater		Wm01	7/28/2022	10	375016	5896403			0.000000000	0.000000000
484	WT-22-414b	WT-22-414	visual	Blackwater		Riparian	7/28/2022	10	374898	5896346			0.000000000	0.000000000
199	WT-22-416	WT-22-416	visual	Blackwater	Danielle Mai	Ws07	7/10/2022	10	375500	5897225	no	no	1225.819900000	4.629738843
200	WT-22-416a	WT-22-416	visual	Blackwater	Danielle Mai	Ws07	7/10/2022	10	375355	5897068	no	no	1241.485816000	3.842464347
324	WT-22-416b	WT-22-416	visual	Blackwater		Ws07	7/10/2022	10	375504	5897230			0.000000000	0.000000000
59	WT-22-417	WT-22-417	full	Blackwater	Claudia Houwers	Ws04	7/10/2022	10	376055	5897739	yes	no	1214.300000000	5.000000000
319	WT-22-417a	WT-22-417	visual	Blackwater		Ws04	7/10/2022	10	376057	5897738			0.000000000	0.000000000
60	WT-22-422	WT-22-422	full	Blackwater	Claudia Houwers	Wm01	7/29/2022	10	376920	5897776	yes	no	1227.500000000	5.000000000
61	WT-22-423	WT-22-660	full	Blackwater	Claudia Houwers	Wf01	7/29/2022	10	377115	5897845	yes	no	1235.900000000	5.000000000
288	WT-22-423a	WT-22-423	visual	Blackwater		Wm01	6/14/2022	10	377074	5897857			0.000000000	0.000000000
201	WT-22-424	WT-22-424	visual	Blackwater	Danielle Mai	Ws07	7/9/2022	10	377736	5896803	no	no	1263.193576000	3.545430475
62	WT-22-424a	WT-22-425b	full	Blackwater	Claudia Houwers	Wf04	7/9/2022	10	377919	5896707	yes	no	1253.900000000	5.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
315	WT-22-424b	WT-22-424	visual	Blackwater		Ws08	7/9/2022	10	377737	5896810			0.000000000	0.000000000
202	WT-22-425	WT-22-425b	visual	Blackwater	Danielle Mai	Ww	7/9/2022	10	377932	5896685	no	no	1257.472394000	6.356804926
317	WT-22-425a	WT-22-425a	visual	Blackwater		Ww	7/9/2022	10	377944	5896688			0.000000000	0.000000000
311	WT-22-426	N/A	visual	Blackwater		Cleared	7/9/2022	10	377619	5897210			0.000000000	0.000000000
286	WT-22-427	WT-22-427	visual	Blackwater		Wb05	6/14/2022	10	377325	5897180			0.000000000	0.000000000
203	WT-22-428	WT-22-428	visual	Blackwater	Shantanu Dutt	Ws07	7/29/2022	10	376709	5897361			0.000000000	0.000000000
566	WT-22-428a	WT-22-428	visual	Blackwater		Ws07	7/29/2022	10	376732	5897394			0.000000000	0.000000000
63	WT-22-429	WT-22-429	full	Blackwater	Claudia Houwers	Wf06	7/29/2022	10	376937	5898051	yes	yes	1232.100000000	5.000000000
559	WT-22-430	N/A	visual	Blackwater		Upland	7/29/2022	10	376558	5897859			0.000000000	0.000000000
560	WT-22-430a	N/A	visual	Blackwater		Upland	7/29/2022	10	376537	5897920			0.000000000	0.000000000
561	WT-22-430b	N/A	visual	Blackwater		Upland	7/29/2022	10	376527	5897923			0.000000000	0.000000000
64	WT-22-431	WT-22-338d	full	Blackwater	Claudia Houwers	Ws07	7/28/2022	10	375934	5898072	yes	no	1231.500000000	5.000000000
65	WT-22-436	WT-22-436	full	Blackwater	Ryan Durand	Wm01	7/28/2022	10	376378	5898649	yes	no	1237.691843580	4.728641265
204	WT-22-438	WT-22-438	visual	Blackwater	Ryan Durand	Wm01	7/28/2022	10	376273	5898521	no	no	1234.629055220	4.724793745
357	WT-22-439	WT-22-439	visual	Blackwater		Ww / Wm01	7/10/2022	10	371407	5894507			0.000000000	0.000000000
205	WT-22-440	WT-22-440	visual	Blackwater	Ryan Durand	Wm	7/28/2022	10	375613	5898235	yes	no	1250.622046820	4.734404691
206	WT-22-441	WT-22-441	visual	Blackwater	Ryan Durand	Wm	7/28/2022	10	375407	5898203	no	no	1257.843179470	4.732327878
207	WT-22-442	WT-22-442	visual	Blackwater	Ryan Durand	Wm01	7/28/2022	10	375331	5898201	no	no	1264.485729540	4.732536054
66	WT-22-443	WT-22-443	full	Blackwater	Claudia Houwers	Wb10	7/28/2022	10	374365	5897656	yes	no	1312.200000000	5.000000000
208	WT-22-444	N/A	visual	Blackwater	Ryan Durand	Upland	7/9/2022	10	376475	5893284			1512.670231000	4.737835226
209	WT-22-446	N/A	visual	Blackwater	Ryan Durand	PD	7/7/2022	10	375369	5892461			1644.451673000	4.737187311
210	WT-22-447	WT-22-447	visual	Blackwater	Ryan Durand	PD	7/9/2022	10	375826	5892406	no	no	1652.586010000	4.729512972
67	WT-22-449	WT-22-449	full	Blackwater	Ryan Durand	Ww	7/30/2022	10	376619	5895588	yes	no	1342.605835130	4.734974836
211	WT-22-450	N/A	visual	Blackwater	Ryan Durand	Upland	7/30/2022	10	376261	5895496	no	no	1366.075459990	4.732812060
598	WT-22-450a	N/A	visual	Blackwater		Upland	7/30/2022	10	376266	5895522			0.000000000	0.000000000
212	WT-22-451	WT-22-451c	visual	Blackwater	Shantanu Dutt	Wf02	7/30/2022	10	375260	5894711			0.000000000	0.000000000
596	WT-22-451a	WT-22-451c	visual	Blackwater		Ws02	7/30/2022	10	375265	5894714			0.000000000	0.000000000
68	WT-22-453	WT-22-453	full	Blackwater	Claudia Houwers	Ws08	7/7/2022	10	375937	5894246	yes	no	1476.500000000	5.000000000
69	WT-22-455	WT-22-734	full		Claudia Houwers	Ws08	44750	10	374511	5893986	yes	no	1454.400000000	5.000000000
213	WT-22-456	WT-22-456	visual		Ryan Durand	Ws07	44771	10	374525	5899169	no	no	1274.119612140	4.730426679
534	WT-22-456a	WT-22-456	visual			Ws	44771	10	374526	5899168			0.000000000	0.000000000
557	WT-22-458	N/A	visual			Upland	44771	10	376829	5897927			0.000000000	0.000000000
495	WT-22-459	WT-22-459	visual			Wf01	44770	10	375376	5898478			0.000000000	0.000000000
70	WT-22-465	WT-22-465	full		Claudia Houwers	Ws07	44752	10	376167	5897803	yes	no	1214.500000000	5.000000000
318	WT-22-465a	WT-22-465	visual			Ws07	44752	10	376168	5897804			0.000000000	0.000000000
562	WT-22-465b	WT-22-465	visual			Ws07	44771	10	376513	5897943			0.000000000	0.000000000
563	WT-22-465c	WT-22-465	visual			Wm01	44771	10	376483	5897919			0.000000000	0.000000000
71	WT-22-467	WT-22-202b	full		Ryan Durand	Ws08	44754	10	378258	5895568	yes	yes	1281.944555000	4.721978389
413	WT-22-467a	WT-22-202b	visual			Ws	44754	10	378300	5895649			0.000000000	0.000000000
72	WT-22-479	WT-22-795	full		Claudia Houwers	Ws08	44769	10	373813	5893130	yes	no	1514.065556970	4.524427199
214	WT-22-479a	WT-22-795	visual		Shantanu Dutt	Ws08	44770	10	373845	5893310			0.000000000	0.000000000
73	WT-22-480	WT-22-480a	full		Claudia Houwers	Wf08	44753	10	375167	5898917	yes	no	1255.600000000	5.000000000
376	WT-22-480a	WT-22-480a	visual			Wf08	44753	10	375164	5898918			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
74	WT-22-481	WT-22-481	full		Claudia Houwers	Wf02	44753	10	375022	5898913	yes	no	1254.500000000	5.000000000
215	WT-22-481a	WT-22-511	visual		Danielle Mai	Wb05	44753	10	374933	5898920	no	no	1257.641841000	3.088480330
378	WT-22-481b	WT-22-481	visual			Wf02	44753	10	375025	5898910			0.000000000	0.000000000
379	WT-22-481c	WT-22-511	visual			Wb05	44753	10	374961	5898942			0.000000000	0.000000000
356	WT-22-482	WT-22-482c	visual			Wm01	44752	10	371335	5894317			0.000000000	0.000000000
216	WT-22-494	WT-22-494	visual		Danielle Mai	Wb08	44753	10	375273	5895885	no	no	1347.721658000	3.702473245
217	WT-22-495	N/A	visual		Danielle Mai	Upland	44753	10	375347	5896107	no	no	1339.994886000	2.889379085
372	WT-22-495a	N/A	visual			Upland	44753	10	375350	5896103			0.000000000	0.000000000
218	WT-22-496	WT-22-804	visual		Danielle Mai	Wb08	44753	10	375332	5896037	no	no	1339.227436000	3.662771254
373	WT-22-496a	WT-22-804	visual			Wb08	44753	10	375332	5896037			0.000000000	0.000000000
75	WT-22-497	WT-22-497	full		Claudia Houwers	Wb13	44753	10	375362	5895927	yes	no	1342.600000000	5.000000000
375	WT-22-497a	WT-22-497	visual			Wb13	44753	10	375364	5895927			0.000000000	0.000000000
219	WT-22-498	WT-22-498	visual		Ryan Durand	Wm01	44752	10	371784	5894765	no	no	1342.768351000	4.734066528
220	WT-22-499	WT-22-499	visual		Ryan Durand	Wf01	44751	10	371617	5894657	no	no	1345.883811000	4.735715286
221	WT-22-500	WT-22-500	visual		Ryan Durand	Wf01	44751	10	371588	5894549	no	no	1345.087919000	4.733407628
222	WT-22-501	WT-22-501a	visual		Ryan Durand	Wf01	44751	10	371577	5894448	no	no	1341.700000000	10.000000000
223	WT-22-502	WT-22-732	visual		Ryan Durand	Wb05	44751	10	371616	5894615	no	no	1346.403709000	4.735501156
224	WT-22-503	N/A	visual		Ryan Durand	Riparian	44752	10	371996	5895235	no	no	1337.242155000	4.730696374
358	WT-22-503a	N/A	visual			Riparian	44752	10	371821	5895030			0.000000000	0.000000000
359	WT-22-503b	N/A	visual			Riparian	44752	10	371974	5895228			0.000000000	0.000000000
360	WT-22-503c	N/A	visual			Upland	44752	10	372024	5895259			0.000000000	0.000000000
361	WT-22-503d	N/A	visual			Riparian	44752	10	372106	5895293			0.000000000	0.000000000
76	WT-22-504	WT-22-329	full		Ryan Durand	Wb05	44752	10	372508	5895480	yes	no	1313.018461000	4.731096780
225	WT-22-505	WT-22-505	visual		Ryan Durand	Wb05	44752	10	372654	5895517	no	no	1314.663145000	4.731830243
226	WT-22-506	WT-22-506	visual		Ryan Durand	Ws08	44752	10	372775	5895534	no	no	1313.747619000	4.720893417
595	WT-22-507	N/A	visual			Upland	44772	10	374784	5894878			0.000000000	0.000000000
227	WT-22-509	WT-22-509	visual		Ryan Durand	Ws	44771	10	374643	5899087	no	no	1268.148925390	4.729919387
77	WT-22-510a	WT-22-510a	full		Ryan Durand	Ws07	44771	10	374796	5899031	yes	no	1265.167880160	4.722889847
228	WT-22-510b	WT-22-510b	visual		Ryan Durand	Ws07	44771	10	374868	5898986	no	no	1266.394903080	4.733577098
533	WT-22-510c	N/A	visual			Upland	44771	10	374922	5899013			0.000000000	0.000000000
229	WT-22-511	WT-22-511	visual		Danielle Mai	Wb05	44753	10	374955	5898860	no	no	1255.268745000	9.506418099
386	WT-22-511a	WT-22-511	visual			Wb05	44753	10	374958	5898861			0.000000000	0.000000000
230	WT-22-512	WT-22-512	visual		Danielle Mai	Wf02	44753	10	374887	5898886	no	no	1256.877237000	13.005910730
383	WT-22-512a	WT-22-512	visual			Wf02	44753	10	374891	5898891			0.000000000	0.000000000
384	WT-22-512b	WT-22-512	visual			Wb05	44753	10	374869	5898936			0.000000000	0.000000000
385	WT-22-512c	WT-22-512	visual			Wb05	44753	10	374891	5898891			0.000000000	0.000000000
231	WT-22-513	WT-22-513	visual		Danielle Mai	Wb05	44753	10	374847	5898899	no	no	1260.229876000	4.588484622
382	WT-22-513a	WT-22-513	visual			Wb05	44753	10	374843	5898903			0.000000000	0.000000000
232	WT-22-514	WT-22-514	visual		Danielle Mai	Wf01	44753	10	375110	5898894	no	no	1253.766286000	9.350518552
377	WT-22-514a	WT-22-514	visual			Wf01	44753	10	375100	5898921			0.000000000	0.000000000
233	WT-22-515	WT-22-515	visual		Danielle Mai	Wb05	44753	10	375183	5898848	no	no	1255.334723000	9.470708318
389	WT-22-515a	WT-22-515	visual			Wb05	44753	10	375191	5898850			0.000000000	0.000000000
494	WT-22-516	WT-22-516	visual			Wf01	44770	10	375395	5898598			0.000000000	0.000000000

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
234	WT-22-517	WT-22-517	visual		Ryan Durand	Wf01	44770	10	375414	5898603		no	1263.055383970	4.737457449
78	WT-22-518	WT-22-518	full		Ryan Durand	Wb13	44770	10	375962	5898644	yes	no	1251.412606650	4.737978098
79	WT-22-519	WT-22-519	full		Ryan Durand	Wf	44770	10	376072	5898661	yes	no	1249.782497030	4.733736416
496	WT-22-520	WT-22-520	visual			Wb05	44770	10	375926	5898642			0.000000000	0.000000000
235	WT-22-521	WT-22-521	visual		Ryan Durand	Wb13	44770	10	376103	5898698	no	no	1249.468269020	4.735246922
236	WT-22-522	WT-22-522	visual		Ryan Durand	Wf01	44770	10	376173	5898818	no	no	1250.867021910	4.737117835
237	WT-22-523	WT-22-523	visual		Ryan Durand	Wb05	44770	10	375940	5898807	yes	no	1258.555034410	4.731367562
238	WT-22-524	WT-22-524	visual		Ryan Durand	Wb08	44770	10	376379	5898370	yes	no	1228.287928160	4.741379051
564	WT-22-531	WT-22-531	visual			Wf01	44771	10	376384	5897937			0.000000000	0.000000000
313	WT-22-532	WT-22-415	visual			Upland	44751	10	377734	5898625			0.000000000	0.000000000
239	WT-22-533	WT-22-533	visual		Shantanu Dutt	Ws07	44771	10	377147	5897095			0.000000000	0.000000000
567	WT-22-533a	WT-22-533	visual			Ws07	44771	10	377154	5897096			0.000000000	0.000000000
240	WT-22-534	WT-22-534	visual		Shantanu Dutt	Ws07	44771	10	376860	5897253			0.000000000	0.000000000
565	WT-22-534a	WT-22-534	visual			Upland	44771	10	376861	5897250			0.000000000	0.000000000
80	WT-22-535	WT-22-535	full		Claudia Houwers	Wf04	44771	10	376968	5897159	no	no	1252.400000000	5.000000000
241	WT-22-540	WT-22-540a	visual		Shantanu Dutt	Wm01	44771	10	376913	5898047			0.000000000	0.000000000
558	WT-22-540a	WT-22-540b	visual			Wm01	44771	10	376898	5898046			0.000000000	0.000000000
242	WT-22-556	WT-22-784	visual		Ryan Durand	Ws08	44752	10	372261	5895517	no	no	1334.902777000	4.723896803
362	WT-22-556a	N/A	visual			Upland	44752	10	372165	5895406			0.000000000	0.000000000
363	WT-22-556b	N/A	visual			Riparian	44752	10	372204	5895486			0.000000000	0.000000000
364	WT-22-556c	N/A	visual			Upland	44752	10	372322	5895516			0.000000000	0.000000000
365	WT-22-556d	WT-22-785	visual			Ws08	44752	10	372317	5895475			0.000000000	0.000000000
243	WT-22-557	N/A	visual		Shantanu Dutt	Upland	44770	10	374415	5897850			0.000000000	0.000000000
513	WT-22-557a	N/A	visual			Upland	44770	10	374380	5897835			0.000000000	0.000000000
244	WT-22-558	WT-22-558	visual		Shantanu Dutt	Wb08	44770	10	374307	5897782			0.000000000	0.000000000
511	WT-22-558a	WT-22-558	visual			Wb08	44770	10	374308	5897778			0.000000000	0.000000000
81	WT-22-559	WT-22-559	full		Claudia Houwers	Wb08	44770	10	374387	5897774	yes	no	1314.200000000	5.000000000
516	WT-22-560	N/A	visual			Upland	44770	10	374600	5897818			0.000000000	0.000000000
517	WT-22-560b	N/A	visual			Upland	44770	10	374520	5897784			0.000000000	0.000000000
245	WT-22-561	WT-22-561	visual		Shantanu Dutt	Wb08	44770	10	374629	5897823			0.000000000	0.000000000
515	WT-22-561a	WT-22-561	visual			Wb08	44770	10	374634	5897829			0.000000000	0.000000000
82	WT-22-569	WT-22-569a	full		Ryan Durand	Ws08	44750	10	372421	5896103	yes	no	1370.706361000	4.739881811
418	WT-22-570	WT-22-569b	visual			Wb05	44754	10	372233	5896106			0.000000000	0.000000000
83	WT-22-570a	WT-22-570	full		Ryan Durand	Wf02	44754	10	372247	5896115	yes		1366.245020000	4.736610428
419	WT-22-571	WT-22-569b	visual			Wb05	44754	10	372224	5896091			0.000000000	0.000000000
246	WT-22-572	WT-22-801	visual		Ryan Durand	Ws08	44754	10	372386	5896018	no		1368.333599000	4.730338335
570	WT-22-583	N/A	visual			Upland	44772	10	378316	5895327			0.000000000	0.000000000
575	WT-22-584	WT-22-584	visual			Wb08	44772	10	378120	5895247			0.000000000	0.000000000
247	WT-22-589	N/A	visual		Ryan Durand	Upland	44751	10	376601	5893983	no	no	1456.409500000	4.725899096
526	WT-22-591	N/A	visual			Upland	44771	10	376467	5893612			0.000000000	0.000000000
248	WT-22-592	WT-22-592b	visual		Ryan Durand	Wf13/Wf05	44751	10	376531	5893373	no	no	1499.790262000	4.763057491
352	WT-22-592a	WT-22-592a	visual			Wb05	44751	10	376555	5893392			0.000000000	0.000000000
249	WT-22-593	N/A	visual		Ryan Durand	Upland	44751	10	376388	5893254	no	no	1514.811193000	4.727132834
353	WT-22-593a	N/A	visual			Upland	44751	10	376341	5893323			0.000000000	0.000000000
84	WT-22-594	WT-22-594	full		Ryan Durand	Ws08	44751	10	375712	5893717	yes	no	1499.151633000	4.732540844

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
250	WT-22-594a	WT-22-594	visual		Ryan Durand	Ws08	44751	10	375720	5893773	no	no	1491.183545000	4.736111180
345	WT-22-594b	WT-22-594	visual			Old Road Cut	44751	10	375716	5893751			0.000000000	0.000000000
346	WT-22-594c	WT-22-594	visual			Ws	44751	10	375745	5893699			0.000000000	0.000000000
85	WT-22-595	WT-22-595	full		Claudia Houwers	Wb05	44750	10	373678	5894215	yes	no	1428.500000000	5.000000000
508	WT-22-612	N/A	visual			Upland	44770	10	373588	5893859			0.000000000	0.000000000
510	WT-22-613	N/A	visual			Upland	44770	10	373697	5893816			0.000000000	0.000000000
522	WT-22-616	WT-22-616	visual			Wb08	44771	10	373161	5894057			0.000000000	0.000000000
86	WT-22-618	WT-22-618	full		Claudia Houwers	Ws07	44769	10	373159	5893870	yes	no	1453.388770850	6.288548987
523	WT-22-618a	N/A	visual			Upland	44771	10	373036	5894039			0.000000000	0.000000000
87	WT-22-619	WT-22-619b	full		Claudia Houwers	Wb08	44750	10	374181	5894064	yes	no	1438.600000000	5.000000000
88	WT-22-620	WT-22-620	full		Claudia Houwers	Wb05	44750	10	374073	5894438	yes	no	1422.400000000	5.000000000
253	WT-22-620a	WT-22-620	visual		Danielle Mai	Wb05	44750	10	374073	5894440	yes	no	1422.276603000	5.897652096
254	WT-22-621	N/A	visual		Danielle Mai	Upland	44750	10	374060	5894050	no	no	1439.439472000	9.108333661
255	WT-22-621a	WT-22-619a	visual		Danielle Mai	Ws08	44750	10	374086	5894061	no	no	1438.064356000	11.656123020
301	WT-22-621b	N/A	visual			Upland	44750	10	374054	5894049			0.000000000	0.000000000
89	WT-22-621c	WT-22-619a	full		Claudia Houwers	Ws08	44750	10	374126	5894075	yes	no	1434.200000000	5.000000000
90	WT-22-623	WT-22-623a	full		Claudia Houwers	Wf04	44750	10	374491	5893955	yes	no	1457.800000000	5.000000000
256	WT-22-623a	WT-22-623b	visual		Danielle Mai	Wf02	44750	10	374458	5893923	no	no	1451.773507000	2.912722015
257	WT-22-623b	WT-22-623b	visual		Danielle Mai	Wf01	44750	10	374476	5893922	no	no	1454.093248000	10.010205290
91	WT-22-624	WT-22-624	full		Claudia Houwers	Wb08	44750	10	374547	5894013	yes	no	1456.000000000	5.000000000
258	WT-22-624a	WT-22-624	visual		Danielle Mai	Wm	44750	10	374531	5894005	no	no	1453.862444000	3.683876499
259	WT-22-626	WT-22-626	visual		Danielle Mai	Wb05	44749	10	374274	5894724	no	no	1414.757408000	6.926793030
92	WT-22-627	WT-22-627	full		Claudia Houwers	Wb05	44749	10	374303	5894704	yes	no	1413.400000000	5.000000000
93	WT-22-629	WT-22-629	full		Claudia Houwers	Wf13	44749	10	374444	5894963	yes	no	1423.800000000	5.000000000
260	WT-22-630	N/A	visual		Danielle Mai	Upland	44749	10	374444	5894833	no	no	1418.522558000	3.981618753
261	WT-22-631	WT-22-631	visual		Danielle Mai	Wb08	44750	10	374394	5894904	no	no	1416.519449000	4.200818945
262	WT-22-632	WT-22-632	visual		Danielle Mai	Wb05	44750	10	374250	5894895	no	no	1420.764785000	3.528671330
94	WT-22-633	WT-22-632	full		Claudia Houwers	Wb08	44749	10	374280	5894858	yes	no	1411.900000000	5.000000000
527	WT-22-634	N/A	visual			Upland	44771	10	374423	5894364			0.000000000	0.000000000
95	WT-22-635	WT-22-635	full		Claudia Houwers	Ws08	44769	10	374584	5894670	yes	no	1401.361786710	4.305860714
96	WT-22-636	WT-22-636	full		Claudia Houwers	Wf02	44752	10	375408	5896583	yes	no	1268.700000000	5.000000000
332	WT-22-637	N/A	visual			Upland	44752	10	375368	5896448			0.000000000	0.000000000
97	WT-22-638	WT-22-638	full		Claudia Houwers	Wb05	44752	10	375322	5896495	yes	no	1269.200000000	5.000000000
331	WT-22-638a	WT-22-638	visual			Wb05	44752	10	375324	5896495			0.000000000	0.000000000
98	WT-22-639	WT-22-639b	full		Claudia Houwers	Wb08	44752	10	375383	5896650	yes	no	1270.100000000	5.000000000
264	WT-22-639a	WT-22-639a	visual		Danielle Mai	Wf02	44752	10	375429	5896696	no	no	1264.509039000	3.628238201
327	WT-22-639b	WT-22-639b	visual			Wb08	44752	10	375386	5896649			0.000000000	0.000000000
328	WT-22-639c	WT-22-639a	visual			Wb05	44752	10	375433	5896692			0.000000000	0.000000000
326	WT-22-640	N/A	visual			Upland	44752	10	375449	5896806			0.000000000	0.000000000
265	WT-22-641	N/A	visual		Danielle Mai	Wm01	44752	10	375212	5896937	no	no	1271.669689000	2.939567479
339	WT-22-641a	WT-22-641	visual			Wm01	44752	10	375200	5896882			0.000000000	0.000000000
266	WT-22-642	N/A	visual		Danielle Mai	Ws07	44752	10	375194	5896825	no	no	1307.037948000	3.693604437
338	WT-22-642a	WT-22-642	visual			Ws07	44752	10	375121	5896799			0.000000000	0.000000000
267	WT-22-643	WT-22-643	visual		Danielle Mai	Ws04/ws07	44752	10	375380	5896849	no		1239.253498000	8.389635433
325	WT-22-643a	WT-22-643	visual			Ws07/Ws04	44752	10	375382	5896846			0.000000000	0.000000000
268	WT-22-644	WT-22-644	visual		Danielle Mai	Ws07	44752	10	375894	5897509	no	no	1227.658051000	12.585497090

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Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
320	WT-22-644a	WT-22-644	visual			Ws07	44752	10	375906	5897505			0.000000000	0.000000000
251	WT-22-645	WT-22-645	visual		Danielle Mai	Ws04	44752	10	375648	5897282	no	no	1220.542097000	3.520033064
323	WT-22-645a	WT-22-645	visual			Ws04	44752	10	375658	5897286			0.000000000	0.000000000
269	WT-22-646	WT-22-645	visual		Danielle Mai	Wm01	44752	10	375740	5897468	no	no	1219.379119000	4.637922727
270	WT-22-646a	WT-22-645	visual		Danielle Mai	Ws04	44752	10	375686	5897368	no	no	1223.001623000	5.225692335
321	WT-22-646b	WT-22-645	visual			Wm01	44752	10	375746	5897467			0.000000000	0.000000000
322	WT-22-646c	WT-22-645	visual			Ws04	44752	10	375695	5897370			0.000000000	0.000000000
481	WT-22-647	N/A	visual			Upland	44770	10	375025	5896353			0.000000000	0.000000000
482	WT-22-647a	N/A	visual			Upland	44770	10	374910	5896304			0.000000000	0.000000000
485	WT-22-647b	N/A	visual			Upland	44770	10	375053	5896380			0.000000000	0.000000000
486	WT-22-647c	WT-22-414	visual			Ws08	44770	10	375100	5896471			0.000000000	0.000000000
455	WT-22-648	N/A	visual			Riparian	44769	10	374201	5896031			0.000000000	0.000000000
478	WT-22-648a	N/A	visual			Riparian	44770	10	374426	5896051			0.000000000	0.000000000
479	WT-22-649	WT-22-414	visual			Ws	44770	10	374597	5896205			0.000000000	0.000000000
477	WT-22-650	WT-22-650	visual			Wm01	44770	10	374443	5896136			0.000000000	0.000000000
448	WT-22-651	WT-22-371b	visual			Riparian	44769	10	373704	5895909			0.000000000	0.000000000
99	WT-22-652	WT-22-652	full		Ryan Durand	Wf04	44769	10	374075	5896104	yes	no	1294.402826960	4.731165880
432	WT-22-652a	WT-22-652	visual			Wf04	44769	10	374144	5896089			0.000000000	0.000000000
439	WT-22-653	N/A	visual			Upland	44769	10	374031	5896180			0.000000000	0.000000000
271	WT-22-655	WT-22-655	visual		Ryan Durand	Riparian	44769	10	373430	5895920	no	no	1296.649443030	4.711027131
100	WT-22-656	WT-22-737	full		Ryan Durand	Ws08	44769	10	374189	5895905	yes	no	1301.689800770	4.734871815
452	WT-22-656a	WT-22-737	visual			Ws08	44769	10	374140	5895863			0.000000000	0.000000000
453	WT-22-656b	WT-22-737	visual			Ws	44769	10	374185	5895911			0.000000000	0.000000000
454	WT-22-656c	N/A	visual			Upland	44769	10	374220	5895978			0.000000000	0.000000000
272	WT-22-657	WT-22-657	visual		Ryan Durand	Ws	44769	10	373712	5895856	no	no	1311.988703350	4.733384892
460	WT-22-657a	WT-22-657	visual			Ws00	44769	10	373645	5895804			0.000000000	0.000000000
101	WT-22-660	WT-22-660	full		Claudia Houwers	Wb09	44771	10	377173	5897820	yes	no	1229.800000000	5.000000000
273	WT-22-660a	WT-22-660	visual		Shantanu Dutt	Wb08	44769	10	377123	5897762			0.000000000	0.000000000
102	WT-22-661	WT-22-661	full		Claudia Houwers	Ws04	44772	10	376760	5896950	yes	no	1282.700000000	5.000000000
103	WT-22-662	WT-22-662b	full		Claudia Houwers	Ws07	44772	10	376230	5895877	no	no	1315.800000000	5.000000000
274	WT-22-662a	N/A	visual		Shantanu Dutt	Upland	44772	10	375906	5895741			0.000000000	0.000000000
592	WT-22-662b	N/A	visual			Upland	44772	10	376223	5895844			0.000000000	0.000000000
594	WT-22-662c	N/A	visual			Upland	44772	10	375916	5895743			0.000000000	0.000000000
285	WT-22-664	WT-22-664b	visual			Wf02	44726	10	378159	5895796			0.000000000	0.000000000
275	WT-22-665	WT-22-665a	visual		Danielle Mai	Wm01	44751	10	377494	5896847	no	no	1274.679988000	2.603019210
312	WT-22-665a	WT-22-665b	visual			Wm01	44751	10	377496	5896857			0.000000000	0.000000000
276	WT-22-666	N/A	visual		Danielle Mai	Upland	44751	10	377483	5896895	no	no	1276.246253000	9.747121558
314	WT-22-666a	N/A	visual			Upland	44751	10	377487	5896892			0.000000000	0.000000000
316	WT-22-667	WT-22-425a	visual			Ww	44751	10	377955	5896669			0.000000000	0.000000000
104	WT-22-669	WT-22-669	full		Claudia Houwers	Wb05	44772	10	376434	5896381	yes	no	1315.000000000	5.000000000
277	WT-22-670	WT-22-670	visual		Ryan Durand	Wb05	44771	10	374635	5898224	yes	no	1300.597613670	4.736835750
278	WT-22-671	WT-22-671	visual		Ryan Durand	Wb05	44771	10	374789	5898461	yes	no	1287.056484300	4.596662421
105	WT-22-673	WT-22-673	full		Claudia Houwers	Wm	44749	10	375985	5894266	yes	no	1485.200000000	5.000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	Wetland ID	Plot Type	Project ID	Surveyor	Site Class	Date Surveyed	utm Zone	utm Easting	utm Northig	Wetland he	Transmission	Elevation	Accuracy
279	WT-22-673a	WT-22-673	visual		Danielle Mai	Wm	44749	10	375991	5894263	no	no	1485.071753000	4.038511956
555	WT-22-674	N/A	visual			Upland	44771	10	377030	5897908			0.000000000	0.000000000
556	WT-22-674a	WT-22-674a	visual			Ws07	44771	10	377026	5897958			0.000000000	0.000000000
450	WT-22-675	WT-22-803	visual			Upland	44769	10	373931	5895873			0.000000000	0.000000000
451	WT-22-675a	WT-22-803	visual			Ws08	44769	10	373940	5895883			0.000000000	0.000000000
280	WT-22-676	WT-22-676	visual		Shantanu Dutt	Wm01	44770	10	375042	5897792			0.000000000	0.000000000
518	WT-22-676a	N/A	visual			Upland	44770	10	374978	5897658			0.000000000	0.000000000
519	WT-22-676b	WT-22-676	visual			Wm01	44770	10	375044	5897796			0.000000000	0.000000000
198	WT-22-679	WT-22-219	visual		Danielle Mai	Wb05	44751	10	377640	5898658	no	no	1228.431346000	4.196041486
106	WT-22-687	WT-22-687	full		Claudia Houwers	Wf03	44752	10	375089	5896235	yes	no	1274.600000000	5.000000000
336	WT-22-687a	WT-22-687	visual			Wf03	44752	10	375090	5896233			0.000000000	0.000000000
367	WT-22-721	N/A	visual			Upland	44752	10	372738	5895576			0.000000000	0.000000000
633	WT-22-755	WT-22-755	visual			Ws07	44773	10	396010	5920849			0.000000000	0.000000000
281	WT-22-777	N/A	visual		Danielle Mai	Wb08	44753	10	374496	5896818	no	no	1332.152729000	3.550669346
629	WT-22-783	WT-22-783	visual			Ws07	44773	10	395259	5919723			0.000000000	0.000000000
758	WT-22-814	WT-22-814	visual			Wf01/Wf02	44797	10	381315	5945050			0.000000000	0.000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
393	CH100	0.00000000	0.00000000				0					0	
395	CH101	0.00000000	0.00000000				0					0	
396	CH102	0.00000000	0.00000000				0					0	
397	CH103	0.00000000	0.00000000				0					0	
398	CH104	0.00000000	0.00000000				0					0	
1	Lake 15/16	5.80000000	57.00000000	GB Clear	Sluggish	Lacustrine	0					0	
2	MC01	6.30000000	79.00000000	GB Clear	Mobile	Fluvial	0					0	
3	MC02	5.90000000	98.00000000	BG Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
4	MC03	6.20000000	56.00000000	GB Clear	Mobile	Fluvial	0					0	
107	MC04	0.00000000	0.00000000		Mobile	Fluvial	0					0	
5	MC05	0.00000000	0.00000000		Dynamic	Fluvial	0					0	
6	MC06	6.00000000	87.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	1					0	
7	MC07	5.70000000	56.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
8	MC08	6.40000000	109.00000000	GB Clear	Mobile	Palustrine _Basin_Hollows	0					0	
108	MC09	0.00000000	0.00000000				0					0	
109	MC10	0.00000000	0.00000000				0					0	
802	MC100	0.00000000	0.00000000				0					0	
801	MC101	0.00000000	0.00000000				0					0	
800	MC102	0.00000000	0.00000000				0					0	
797	MC103	0.00000000	0.00000000				0					0	
783	MC104	0.00000000	0.00000000				0					0	
781	MC105	0.00000000	0.00000000				0					0	
779	MC106	0.00000000	0.00000000				0					0	
784	MC107	0.00000000	0.00000000				0					0	
782	MC108	0.00000000	0.00000000				0					0	
792	MC109	0.00000000	0.00000000				0					0	
9	MC11	5.90000000	78.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
778	MC110	0.00000000	0.00000000				0					0	
780	MC111	0.00000000	0.00000000				0					0	
787	MC111a	0.00000000	0.00000000				0					0	
790	MC113	0.00000000	0.00000000				0					0	
785	MC114	0.00000000	0.00000000				0					0	
791	MC115	0.00000000	0.00000000				0					0	
796	MC116	0.00000000	0.00000000				0					0	
788	MC117	0.00000000	0.00000000				0					0	
794	MC118	0.00000000	0.00000000				0					0	
786	MC119	0.00000000	0.00000000				0					0	
10	MC12	0.00000000	0.00000000		Dynamic	Fluvial	0					0	
789	MC120	0.00000000	0.00000000				0					0	
795	MC121	0.00000000	0.00000000				0					0	
799	MC122	0.00000000	0.00000000				0					0	
295	MC123	0.00000000	0.00000000				0					0	
296	MC124	0.00000000	0.00000000				0					0	
798	MC125	0.00000000	0.00000000				0					0	
110	MC13	0.00000000	0.00000000				0					0	
11	MC14	0.00000000	0.00000000		Mobile	Fluvial	0					0	
111	MC15	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
12	MC16	5.80000000	67.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	1					0	
112	MC17	0.00000000	0.00000000				0					0	
113	MC18	0.00000000	0.00000000				0					0	
114	MC19	0.00000000	0.00000000				0					0	
13	MC20	5.90000000	45.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
14	MC21	5.80000000	56.00000000		Stagnant	Palustrine _Basin_Hollows	0					0	
15	MC22	5.80000000	56.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
16	MC23	6.00000000	89.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
17	MC24	6.40000000	78.00000000	GB Clear	Mobile	Fluvial	0					0	
115	MC25	0.00000000	0.00000000				0					0	
18	MC26	6.20000000	0.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	10					0	
19	MC27	6.40000000	89.00000000	GB Clear	Mobile	Fluvial	10					0	
20	MC28	6.40000000	97.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	15					0	
116	MC29	0.00000000	0.00000000	GB Clear	Sluggish	Fluvial	5					0	
21	MC30	6.60000000	96.00000000	GB Clear	Mobile	Fluvial	0					0	
22	MC31	5.90000000	67.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
117	MC32	0.00000000	0.00000000				0					0	
23	MC33	6.70000000	123.00000000	GB Turbid	Sluggish	Palustrine _Basin_Hollows	0					0	
24	MC34	5.90000000	56.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
289	WT100	0.00000000	0.00000000				0					0	
290	WT101	0.00000000	0.00000000				0					0	
300	WT102	0.00000000	0.00000000				0					0	
305	WT103	0.00000000	0.00000000				0					0	
350	WT104	0.00000000	0.00000000				0					0	
354	WT105	0.00000000	0.00000000				0					0	
355	WT106	0.00000000	0.00000000				0					0	
392	WT108	0.00000000	0.00000000				0					0	
417	WT109	0.00000000	0.00000000				0					0	
445	WT110	0.00000000	0.00000000				0					0	
446	WT111	0.00000000	0.00000000				0					0	
458	WT112	0.00000000	0.00000000				0					0	
459	WT113	0.00000000	0.00000000				0					0	
461	WT114	0.00000000	0.00000000				0					0	
462	WT115	0.00000000	0.00000000				0					0	
463	WT116	0.00000000	0.00000000				0					0	
465	WT117	0.00000000	0.00000000				0					0	
466	WT118	0.00000000	0.00000000				0					0	
470	WT119	0.00000000	0.00000000				0					0	
473	WT120	0.00000000	0.00000000				0					0	
474	WT121	0.00000000	0.00000000				0					0	
488	WT122	0.00000000	0.00000000				0					0	
493	WT123	0.00000000	0.00000000				0					0	
497	WT124	0.00000000	0.00000000				0					0	
498	WT125	0.00000000	0.00000000				0					0	
499	WT126	0.00000000	0.00000000				0					0	
528	WT127	0.00000000	0.00000000				0					0	
545	WT128	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
546	WT129	0.00000000	0.00000000				0					0	
549	WT130	0.00000000	0.00000000				0					0	
551	WT131	0.00000000	0.00000000				0					0	
568	WT132	0.00000000	0.00000000				0					0	
569	WT133	0.00000000	0.00000000				0					0	
578	WT134	0.00000000	0.00000000				0					0	
579	WT135	0.00000000	0.00000000				0					0	
580	WT136	0.00000000	0.00000000				0					0	
597	WT137	0.00000000	0.00000000				0					0	
599	WT138	0.00000000	0.00000000				0					0	
603	WT139	0.00000000	0.00000000				0					0	
404	WT140	0.00000000	0.00000000				0					0	
405	WT141	0.00000000	0.00000000				0					0	
617	WT142	0.00000000	0.00000000				0					0	
621	WT143	0.00000000	0.00000000				0					0	
628	WT144	0.00000000	0.00000000				0					0	
649	WT147	0.00000000	0.00000000				0					0	
650	WT148	0.00000000	0.00000000				0					0	
678	WT149	0.00000000	0.00000000				0					0	
774	WT150	0.00000000	0.00000000				0					0	
776	WT151	0.00000000	0.00000000				0					0	
777	WT152	0.00000000	0.00000000				0					0	
752	WT153	0.00000000	0.00000000				0					0	
754	WT154	0.00000000	0.00000000				0					0	
756	WT155	0.00000000	0.00000000				0					0	
757	WT156	0.00000000	0.00000000				0					0	
766	WT159	0.00000000	0.00000000				0					0	
773	WT160	0.00000000	0.00000000				0					0	
293	WT161	0.00000000	0.00000000				0					0	
662	WT162	0.00000000	0.00000000				0					0	
669	WT163	0.00000000	0.00000000				0					0	
721	WT164	0.00000000	0.00000000				0					0	
722	WT165	0.00000000	0.00000000				0					0	
727	WT166	0.00000000	0.00000000				0					0	
729	WT167	0.00000000	0.00000000				0					0	
730	WT168	0.00000000	0.00000000				0					0	
732	WT169	0.00000000	0.00000000				0					0	
735	WT170	0.00000000	0.00000000				0					0	
737	WT171	0.00000000	0.00000000				0					0	
741	WT172	0.00000000	0.00000000				0					0	
611	WT-22-001a	0.00000000	0.00000000				0					0	
25	WT-22-003	8.40000000	0.00000000	GB Clear	Mobile	Fluvial	10	Clayey				0	
426	WT-22-003a	0.00000000	0.00000000				0					0	
428	WT-22-003b	0.00000000	0.00000000				0					0	
429	WT-22-003c	0.00000000	0.00000000				0					0	
430	WT-22-003d	0.00000000	0.00000000				0					0	
408	WT-22-004	0.00000000	0.00000000				0					0	
420	WT-22-004a	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
421	WT-22-008	0.00000000	0.00000000				0					0	
422	WT-22-008a	0.00000000	0.00000000				0					0	
423	WT-22-008b	0.00000000	0.00000000				0					0	
424	WT-22-008c	0.00000000	0.00000000				0					0	
425	WT-22-008d	0.00000000	0.00000000				0					0	
427	WT-22-008e	0.00000000	0.00000000				0					0	
26	WT-22-011	6.90000000	164.00000000	BG Clear	Mobile	Fluvial	0					0	
119	WT-22-012a	0.00000000	0.00000000				0					0	
400	WT-22-012b	0.00000000	0.00000000				0					0	
401	WT-22-012c	0.00000000	0.00000000				0					0	
613	WT-22-014	0.00000000	0.00000000				0					0	
614	WT-22-014a	0.00000000	0.00000000				0					0	
27	WT-22-015	6.30000000	183.00000000	GB Clear	Mobile	Fluvial	10					0	
399	WT-22-015a	0.00000000	0.00000000				0					0	
402	WT-22-015b	0.00000000	0.00000000				0					0	
403	WT-22-015c	0.00000000	0.00000000				0					0	
406	WT-22-015d	0.00000000	0.00000000				0					0	
407	WT-22-015e	0.00000000	0.00000000				0					0	
612	WT-22-016	0.00000000	0.00000000				0					0	
409	WT-22-017	0.00000000	0.00000000				0					0	
411	WT-22-022	0.00000000	0.00000000				0					0	
28	WT-22-023	5.40000000	45.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
618	WT-22-023a	0.00000000	0.00000000				0					0	
623	WT-22-025	0.00000000	0.00000000				0					0	
622	WT-22-026	0.00000000	0.00000000				0					0	
29	WT-22-027	5.70000000	48.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
624	WT-22-028	0.00000000	0.00000000				0					0	
625	WT-22-028a	0.00000000	0.00000000				0					0	
626	WT-22-028b	0.00000000	0.00000000				0					0	
627	WT-22-028c	0.00000000	0.00000000				0					0	
619	WT-22-030	0.00000000	0.00000000				0					0	
620	WT-22-030a	0.00000000	0.00000000				0					0	
120	WT-22-031	0.00000000	0.00000000				0					0	
638	WT-22-031a	0.00000000	0.00000000				0					0	
121	WT-22-033	0.00000000	0.00000000				0					0	
630	WT-22-033a	0.00000000	0.00000000				0					0	
632	WT-22-034	0.00000000	0.00000000				0					0	
122	WT-22-036	0.00000000	0.00000000				0					0	
123	WT-22-039	0.00000000	0.00000000		Mobile	Fluvial	0					0	
124	WT-22-042	0.00000000	0.00000000				0					0	
635	WT-22-043	0.00000000	0.00000000				0					0	
412	WT-22-044	0.00000000	0.00000000				0					0	
292	WT-22-045	0.00000000	0.00000000				0					0	
30	WT-22-046	0.00000000	0.00000000		Very Dynamic	Fluvial	5	Sandy				0	
676	WT-22-046a	0.00000000	0.00000000				0					0	
677	WT-22-046b	0.00000000	0.00000000				0					0	
674	WT-22-047	0.00000000	0.00000000				0					0	
673	WT-22-048	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
704	WT-22-049	0.00000000	0.00000000				0					0	
637	WT-22-052	0.00000000	0.00000000				0					0	
126	WT-22-054	0.00000000	0.00000000				0					0	
671	WT-22-054a	0.00000000	0.00000000				0					0	
681	WT-22-054b	0.00000000	0.00000000				0					0	
31	WT-22-055	6.80000000	221.00000000		Sluggish	Palustrine _Basin_Hollows	0			Fibric	None	0	
679	WT-22-055a	0.00000000	0.00000000				0					0	
680	WT-22-055b	0.00000000	0.00000000				0					0	
127	WT-22-056c	0.00000000	0.00000000				0					0	
128	WT-22-057	6.90000000	0.00000000	GB Clear			2					0	
684	WT-22-057a	0.00000000	0.00000000				0					0	
686	WT-22-059	0.00000000	0.00000000				0					0	
775	WT-22-061	0.00000000	0.00000000				0					0	
129	WT-22-062	0.00000000	0.00000000				0	Silty		Mesic	45	0	Mottling
695	WT-22-062a	0.00000000	0.00000000				0					0	
696	WT-22-062b	0.00000000	0.00000000				0					0	
656	WT-22-063	0.00000000	0.00000000				0					0	
654	WT-22-064	0.00000000	0.00000000				0					0	
639	WT-22-066	0.00000000	0.00000000				0					0	
644	WT-22-066a	0.00000000	0.00000000				0					0	
655	WT-22-067	0.00000000	0.00000000				0					0	
32	WT-22-069	6.60000000	176.00000000	GB Turbid	Mobile	Fluvial	0					0	
643	WT-22-069a	0.00000000	0.00000000				0					0	
641	WT-22-070	0.00000000	0.00000000				0					0	
33	WT-22-071	0.00000000	0.00000000		Stagnant	Palustrine _Basin_Hollows	0					0	
772	WT-22-073	0.00000000	0.00000000				0					0	
771	WT-22-074	0.00000000	0.00000000				0					0	
770	WT-22-075	0.00000000	0.00000000				0					0	
769	WT-22-076	0.00000000	0.00000000				0					0	
767	WT-22-078	0.00000000	0.00000000				0					0	
768	WT-22-079	0.00000000	0.00000000				0					0	
763	WT-22-083	0.00000000	0.00000000				0					0	
764	WT-22-084	0.00000000	0.00000000				0					0	
761	WT-22-087	0.00000000	0.00000000				0					0	
755	WT-22-089	0.00000000	0.00000000				0					0	
753	WT-22-091	0.00000000	0.00000000				0					0	
657	WT-22-094	0.00000000	0.00000000				0					0	
658	WT-22-094a	0.00000000	0.00000000				0					0	
664	WT-22-096	0.00000000	0.00000000				0					0	
663	WT-22-097	0.00000000	0.00000000				0					0	
282	WT-22-099	6.20000000	0.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	0	Silty		Mesic		0	
661	WT-22-100	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
34	WT-22-101	6.10000000	109.00000000		Mobile	Fluvial	0					0	
750	WT-22-102	0.00000000	0.00000000				0					0	
748	WT-22-105	0.00000000	0.00000000				0					0	
667	WT-22-106	0.00000000	0.00000000				0					0	
665	WT-22-107	0.00000000	0.00000000				0					0	
666	WT-22-107a	0.00000000	0.00000000				0					0	
668	WT-22-108	0.00000000	0.00000000				0					0	
745	WT-22-109	0.00000000	0.00000000				0					0	
742	WT-22-110	0.00000000	0.00000000				0					0	
740	WT-22-114	0.00000000	0.00000000				0					0	
739	WT-22-115	0.00000000	0.00000000				0					0	
738	WT-22-116	0.00000000	0.00000000				0					0	
736	WT-22-118	0.00000000	0.00000000				0					0	
689	WT-22-119	0.00000000	0.00000000				0					0	
690	WT-22-119a	0.00000000	0.00000000				0					0	
130	WT-22-123	0.00000000	0.00000000				0	Sandy				0	
294	WT-22-125	0.00000000	0.00000000				0					0	
131	WT-22-126	0.00000000	0.00000000				0	Silty	Moder			0	
733	WT-22-128	0.00000000	0.00000000				0					0	
731	WT-22-129	0.00000000	0.00000000				0					0	
726	WT-22-130	0.00000000	0.00000000				0					0	
728	WT-22-130a	0.00000000	0.00000000				0					0	
724	WT-22-132	0.00000000	0.00000000				0					0	
725	WT-22-132a	0.00000000	0.00000000				0					0	
705	WT-22-137	0.00000000	0.00000000				0					0	
132	WT-22-138	0.00000000	0.00000000				0					0	
707	WT-22-139	0.00000000	0.00000000				0					0	
708	WT-22-142	0.00000000	0.00000000				0					0	
718	WT-22-143	0.00000000	0.00000000				0					0	
716	WT-22-144	0.00000000	0.00000000				0					0	
717	WT-22-145	0.00000000	0.00000000				0					0	
710	WT-22-146	0.00000000	0.00000000				0					0	
35	WT-22-148	0.00000000	0.00000000		Dynamic	Palustrine _Basin_Hollows	0					0	
651	WT-22-151	0.00000000	0.00000000				0					0	
682	WT-22-152	0.00000000	0.00000000				0					0	
133	WT-22-153	0.00000000	0.00000000				0			Mesic		0	
751	WT-22-154	0.00000000	0.00000000				0					0	
648	WT-22-156	0.00000000	0.00000000				0					0	
634	WT-22-157	0.00000000	0.00000000				0					0	
747	WT-22-160	0.00000000	0.00000000				0					0	
134	WT-22-161	0.00000000	0.00000000		Dynamic	Fluvial	10	Silty				0	Gleying,Mottling
36	WT-22-163	0.00000000	0.00000000		Dynamic	Palustrine _Basin_Hollows	0					0	
135	WT-22-164	0.00000000	0.00000000				0					0	
734	WT-22-165	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
687	WT-22-166	0.00000000	0.00000000				0					0	
746	WT-22-168	0.00000000	0.00000000				0					0	
136	WT-22-170	0.00000000	0.00000000				0					0	
685	WT-22-171	0.00000000	0.00000000				0					0	
137	WT-22-173	0.00000000	0.00000000				0					0	
155	WT-22-173a	0.00000000	0.00000000				0					0	
703	WT-22-174	0.00000000	0.00000000				0					0	
410	WT-22-179	0.00000000	0.00000000				0					0	
636	WT-22-180	0.00000000	0.00000000				0					0	
138	WT-22-184a	0.00000000	0.00000000				0	Silty	Moder			0	
693	WT-22-185	0.00000000	0.00000000				0					0	
694	WT-22-186	0.00000000	0.00000000				0					0	
653	WT-22-188	0.00000000	0.00000000				0					0	
609	WT-22-189	0.00000000	0.00000000				0					0	
139	WT-22-190	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
37	WT-22-191	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
547	WT-22-191a	0.00000000	0.00000000				0					0	
548	WT-22-191b	0.00000000	0.00000000				0					0	
550	WT-22-191c	0.00000000	0.00000000				0					0	
539	WT-22-192	0.00000000	0.00000000				0					0	
544	WT-22-192a	0.00000000	0.00000000				0					0	
600	WT-22-193	0.00000000	0.00000000				0					0	
38	WT-22-194	7.40000000	37.00000000		Dynamic	Fluvial	0					0	
307	WT-22-194a	0.00000000	0.00000000				0					0	
308	WT-22-194b	0.00000000	0.00000000				0					0	
140	WT-22-195	5.20000000	0.00000000		Stagnant	Palustrine _Basin_Hollows	0			Mesic		0	
141	WT-22-196	0.00000000	0.00000000		Mobile	Fluvial	0	Silty				0	Gleying
607	WT-22-199	0.00000000	0.00000000				0					0	
142	WT-22-201	0.00000000	0.00000000				0					0	
39	WT-22-202	0.00000000	0.00000000		Mobile	Fluvial	0					0	
414	WT-22-202a	0.00000000	0.00000000				0					0	
415	WT-22-202b	0.00000000	0.00000000				0					0	
416	WT-22-202c	0.00000000	0.00000000				0					0	
576	WT-22-202d	0.00000000	0.00000000				0					0	
577	WT-22-202e	0.00000000	0.00000000				0					0	
40	WT-22-204	6.00000000	112.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
538	WT-22-204a	0.00000000	0.00000000				0					0	
540	WT-22-205	0.00000000	0.00000000				0					0	
541	WT-22-205a	0.00000000	0.00000000				0					0	
537	WT-22-206	0.00000000	0.00000000				0					0	
536	WT-22-207	0.00000000	0.00000000				0					0	
41	WT-22-209	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
581	WT-22-212	0.00000000	0.00000000				0					0	
582	WT-22-213	0.00000000	0.00000000				0					0	
583	WT-22-213a	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
143	WT-22-215	0.00000000	0.00000000				0			Mesic		0	
309	WT-22-219	0.00000000	0.00000000				0					0	
252	WT-22-219a	0.00000000	0.00000000				0					0	
42	WT-22-220	0.00000000	0.00000000	GB Clear	Dynamic	Fluvial	10					0	
310	WT-22-220a	0.00000000	0.00000000				0					0	
601	WT-22-223	0.00000000	0.00000000				0					0	
602	WT-22-223a	0.00000000	0.00000000				0					0	
605	WT-22-223b	0.00000000	0.00000000				0					0	
606	WT-22-223c	0.00000000	0.00000000				0					0	
608	WT-22-223d	0.00000000	0.00000000				0					0	
604	WT-22-224	0.00000000	0.00000000				0					0	
144	WT-22-226	0.00000000	0.00000000		Dynamic	Fluvial	0					0	
145	WT-22-227	0.00000000	0.00000000				0					0	
43	WT-22-227a	0.00000000	0.00000000		Very Dynamic	Fluvial	0					0	
306	WT-22-227b	0.00000000	0.00000000				0					0	
535	WT-22-227c	0.00000000	0.00000000				0					0	
554	WT-22-228	0.00000000	0.00000000				0					0	
552	WT-22-229	0.00000000	0.00000000				0					0	
553	WT-22-229a	0.00000000	0.00000000				0					0	
543	WT-22-231	0.00000000	0.00000000				0					0	
610	WT-22-232	0.00000000	0.00000000				0					0	
44	WT-22-236	0.00000000	0.00000000		Sluggish	Fluvial	0					0	
615	WT-22-238	0.00000000	0.00000000				0					0	
616	WT-22-239	0.00000000	0.00000000				0					0	
631	WT-22-243	0.00000000	0.00000000				0					0	
146	WT-22-244	0.00000000	0.00000000		Mobile	Fluvial	0					0	
147	WT-22-246	0.00000000	0.00000000				0					0	
125	WT-22-247	0.00000000	0.00000000				0					0	
148	WT-22-249	0.00000000	0.00000000				0					0	
149	WT-22-250	0.00000000	0.00000000				0			Fibric		0	
683	WT-22-250a	0.00000000	0.00000000				0					0	
150	WT-22-252	0.00000000	0.00000000				0					0	
697	WT-22-252a	0.00000000	0.00000000				0					0	
645	WT-22-255	0.00000000	0.00000000				0					0	
646	WT-22-255a	0.00000000	0.00000000				0					0	
647	WT-22-256	0.00000000	0.00000000				0					0	
642	WT-22-257a	0.00000000	0.00000000				0					0	
765	WT-22-259	0.00000000	0.00000000				0					0	
762	WT-22-263	0.00000000	0.00000000				0					0	
151	WT-22-268	0.00000000	0.00000000		Mobile	Fluvial	0	Silty				0	Gleying, Mottling ,Seepage
659	WT-22-269	0.00000000	0.00000000				0					0	
759	WT-22-273	0.00000000	0.00000000				0					0	
760	WT-22-273a	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
660	WT-22-279	0.00000000	0.00000000				0					0	
749	WT-22-283	0.00000000	0.00000000				0					0	
152	WT-22-284	0.00000000	0.00000000		Mobile	Palustrine _Basin_Hollows	0	Silty				0	
153	WT-22-285	0.00000000	0.00000000		Mobile	Fluvial	0	Silty				0	Gleying,Mottling
744	WT-22-286	0.00000000	0.00000000				0					0	
743	WT-22-287	0.00000000	0.00000000				0					0	
670	WT-22-291	0.00000000	0.00000000				0					0	
698	WT-22-294	0.00000000	0.00000000				0					0	
701	WT-22-295	0.00000000	0.00000000				0					0	
700	WT-22-296	0.00000000	0.00000000				0					0	
154	WT-22-298	0.00000000	0.00000000				0					0	
702	WT-22-298a	0.00000000	0.00000000				0					0	
723	WT-22-307	0.00000000	0.00000000				0					0	
720	WT-22-309	0.00000000	0.00000000				0					0	
45	WT-22-311	0.00000000	0.00000000		Dynamic	Fluvial	0					0	
706	WT-22-312	0.00000000	0.00000000				0					0	
156	WT-22-313	0.00000000	0.00000000				0					0	
719	WT-22-315	0.00000000	0.00000000				0					0	
712	WT-22-316	0.00000000	0.00000000				0					0	
715	WT-22-317	0.00000000	0.00000000				0					0	
713	WT-22-318	0.00000000	0.00000000				0					0	
714	WT-22-319	0.00000000	0.00000000				0					0	
711	WT-22-320	0.00000000	0.00000000				0					0	
709	WT-22-321	0.00000000	0.00000000				0					0	
157	WT-22-323	0.00000000	0.00000000				0					0	
584	WT-22-325	0.00000000	0.00000000				0					0	
585	WT-22-326	0.00000000	0.00000000				0					0	
158	WT-22-328	0.00000000	0.00000000				0					0	
159	WT-22-329	0.00000000	0.00000000				0					0	
366	WT-22-329a	0.00000000	0.00000000				0					0	
471	WT-22-330	0.00000000	0.00000000				0					0	
46	WT-22-332	6.60000000	22.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	25					0	
160	WT-22-332a	0.00000000	0.00000000				0					0	
388	WT-22-332b	0.00000000	0.00000000				0					0	
47	WT-22-333	0.00000000	0.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	1					0	Gleying,Mottling
500	WT-22-334	0.00000000	0.00000000				0					0	
501	WT-22-334a	0.00000000	0.00000000				0					0	
502	WT-22-334b	0.00000000	0.00000000				0					0	
161	WT-22-336	0.00000000	0.00000000				0					0	
491	WT-22-336a	0.00000000	0.00000000				0					0	
492	WT-22-336b	0.00000000	0.00000000				0					0	
490	WT-22-338a	0.00000000	0.00000000				0					0	
118	WT-22-338b	0.00000000	0.00000000				0					0	
162	WT-22-338b1	0.00000000	0.00000000				0					0	
164	WT-22-338b10	0.00000000	0.00000000				0					0	
489	WT-22-338b2	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
512	WT-22-338b3	0.00000000	0.00000000				0					0	
514	WT-22-338b4	0.00000000	0.00000000				0					0	
520	WT-22-338b5	0.00000000	0.00000000				0					0	
521	WT-22-338b6	0.00000000	0.00000000				0					0	
529	WT-22-338b7	0.00000000	0.00000000				0					0	
530	WT-22-338b8	0.00000000	0.00000000				0					0	
163	WT-22-338b9	0.00000000	0.00000000				0					0	
165	WT-22-341	0.00000000	0.00000000				0					0	
284	WT-22-343	0.00000000	0.00000000				0					0	
571	WT-22-343a	0.00000000	0.00000000				0					0	
572	WT-22-343b	0.00000000	0.00000000				0					0	
573	WT-22-343c	0.00000000	0.00000000				0					0	
574	WT-22-343d	0.00000000	0.00000000				0					0	
48	WT-22-345	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
166	WT-22-345a	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
342	WT-22-345b	0.00000000	0.00000000				0					0	
343	WT-22-345c	0.00000000	0.00000000				0					0	
344	WT-22-345d	0.00000000	0.00000000				0					0	
167	WT-22-347	0.00000000	0.00000000				0					0	
304	WT-22-347a	0.00000000	0.00000000				0					0	
49	WT-22-348	5.40000000	8.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	10					0	
168	WT-22-348a	0.00000000	0.00000000				0					0	
303	WT-22-348a2	0.00000000	0.00000000				0					0	
333	WT-22-349	0.00000000	0.00000000				0					0	
263	WT-22-349a	0.00000000	0.00000000				0					0	
169	WT-22-350	0.00000000	0.00000000				0					0	
337	WT-22-350a	0.00000000	0.00000000				0					0	
443	WT-22-351	0.00000000	0.00000000				0					0	
444	WT-22-351a	0.00000000	0.00000000				0					0	
431	WT-22-352	0.00000000	0.00000000				0					0	
433	WT-22-352a	0.00000000	0.00000000				0					0	
434	WT-22-352b	0.00000000	0.00000000				0					0	
435	WT-22-352c	0.00000000	0.00000000				0					0	
436	WT-22-352d	0.00000000	0.00000000				0					0	
437	WT-22-352e	0.00000000	0.00000000				0					0	
438	WT-22-352f	0.00000000	0.00000000				0					0	
440	WT-22-352g	0.00000000	0.00000000				0					0	
441	WT-22-352h	0.00000000	0.00000000				0					0	
442	WT-22-352i	0.00000000	0.00000000				0					0	
171	WT-22-353b	0.00000000	0.00000000				0					0	
170	WT-22-353c	0.00000000	0.00000000				0					0	
172	WT-22-354	0.00000000	0.00000000				0					0	
467	WT-22-354a	0.00000000	0.00000000				0					0	
50	WT-22-355	6.70000000	145.00000000	GB Clear	Mobile	Palustrine _Basin_Hollows	0					0	
351	WT-22-355av	0.00000000	0.00000000				0					0	
347	WT-22-356	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
349	WT-22-356a	0.00000000	0.00000000				0					0	
525	WT-22-357	0.00000000	0.00000000				0					0	
173	WT-22-358a	0.00000000	0.00000000				0					0	
505	WT-22-358a1	0.00000000	0.00000000				0					0	
506	WT-22-358a2	0.00000000	0.00000000				0					0	
507	WT-22-358a3	0.00000000	0.00000000				0					0	
504	WT-22-358b	0.00000000	0.00000000				0					0	
174	WT-22-358c	0.00000000	0.00000000		Mobile		0					0	
175	WT-22-359	0.00000000	0.00000000				0					0	
587	WT-22-359a	0.00000000	0.00000000				0					0	
586	WT-22-359b	0.00000000	0.00000000				0					0	
591	WT-22-360	0.00000000	0.00000000				0					0	
176	WT-22-361b	0.00000000	0.00000000				0					0	
487	WT-22-362a	0.00000000	0.00000000				0					0	
177	WT-22-362b	0.00000000	0.00000000				0					0	
370	WT-22-362b1	0.00000000	0.00000000				0					0	
371	WT-22-362b2	0.00000000	0.00000000				0					0	
178	WT-22-363	0.00000000	0.00000000				0					0	
340	WT-22-363a	0.00000000	0.00000000				0					0	
179	WT-22-364	0.00000000	0.00000000				0					0	
341	WT-22-364v	0.00000000	0.00000000				0					0	
180	WT-22-365	0.00000000	0.00000000				0					0	
381	WT-22-365a	0.00000000	0.00000000				0					0	
51	WT-22-367	6.40000000	92.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
348	WT-22-367a	0.00000000	0.00000000				0					0	
447	WT-22-371	0.00000000	0.00000000				0					0	
449	WT-22-371a	0.00000000	0.00000000				0					0	
52	WT-22-373	6.50000000	26.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	10					0	
368	WT-22-373a	0.00000000	0.00000000				0					0	
369	WT-22-373b	0.00000000	0.00000000				0					0	
181	WT-22-379	0.00000000	0.00000000				0					0	
391	WT-22-379a	0.00000000	0.00000000				0					0	
182	WT-22-380	0.00000000	0.00000000				0					0	
390	WT-22-380a	0.00000000	0.00000000				0					0	
183	WT-22-381	0.00000000	0.00000000				0					0	
387	WT-22-381a	0.00000000	0.00000000				0					0	
184	WT-22-382	0.00000000	0.00000000				0					0	
380	WT-22-382a	0.00000000	0.00000000				0					0	
185	WT-22-383	0.00000000	0.00000000				0					0	
531	WT-22-383a	0.00000000	0.00000000				0					0	
532	WT-22-383b	0.00000000	0.00000000				0					0	
53	WT-22-390a	0.00000000	0.00000000		Stagnant	Palustrine _Basin_Hollows	0					0	
472	WT-22-390b	0.00000000	0.00000000				0					0	
524	WT-22-390b1	0.00000000	0.00000000				0					0	
54	WT-22-391	4.80000000	39.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	15					0	
291	WT-22-391a	0.00000000	0.00000000				0					0	
186	WT-22-392	0.00000000	0.00000000				0					0	
187	WT-22-392a	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
188	WT-22-392b	0.00000000	0.00000000				0					0	
302	WT-22-392c	0.00000000	0.00000000				0					0	
509	WT-22-393	0.00000000	0.00000000				0					0	
189	WT-22-394	0.00000000	0.00000000				0					0	
190	WT-22-395	0.00000000	0.00000000				0					0	
374	WT-22-395a	0.00000000	0.00000000				0					0	
593	WT-22-396	0.00000000	0.00000000				0					0	
191	WT-22-397	0.00000000	0.00000000				0	Sandy				0	Mottling
192	WT-22-397a	0.00000000	0.00000000				0					0	
588	WT-22-397b	0.00000000	0.00000000				0					0	
589	WT-22-397c	0.00000000	0.00000000				0					0	
55	WT-22-398	6.40000000	65.00000000	Tea	Mobile	Palustrine _Basin_Hollows	0					0	
287	WT-22-398a	0.00000000	0.00000000				0					0	
56	WT-22-399	5.50000000	17.00000000	GB Clear	Sluggish	Palustrine_Ponds_Potholes	20			Humic		0	
57	WT-22-403	6.30000000	179.00000000	GB Clear	Mobile	Fluvial	0					0	
193	WT-22-404	0.00000000	0.00000000				0					0	
335	WT-22-404a	0.00000000	0.00000000				0					0	
58	WT-22-405	7.50000000	111.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	1					0	
334	WT-22-405a	0.00000000	0.00000000				0					0	
194	WT-22-406	0.00000000	0.00000000				0					0	
195	WT-22-406a	0.00000000	0.00000000				0					0	
329	WT-22-406b	0.00000000	0.00000000				0					0	
330	WT-22-406c	0.00000000	0.00000000				0					0	
196	WT-22-407	6.20000000	0.00000000				0					0	
197	WT-22-409	0.00000000	0.00000000				0					0	
468	WT-22-409a	0.00000000	0.00000000				0					0	
469	WT-22-409b	0.00000000	0.00000000				0					0	
476	WT-22-410	0.00000000	0.00000000				0					0	
475	WT-22-411	0.00000000	0.00000000				0					0	
283	WT-22-413	0.00000000	0.00000000				0					0	
480	WT-22-414	0.00000000	0.00000000				0					0	
483	WT-22-414a	0.00000000	0.00000000				0					0	
484	WT-22-414b	0.00000000	0.00000000				0					0	
199	WT-22-416	0.00000000	0.00000000				0					0	
200	WT-22-416a	0.00000000	0.00000000				0					0	
324	WT-22-416b	0.00000000	0.00000000				0					0	
59	WT-22-417	7.70000000	36.00000000	GB Clear	Mobile	Fluvial	10					0	
319	WT-22-417a	0.00000000	0.00000000				0					0	
60	WT-22-422	6.50000000	53.00000000	GB Clear	Sluggish	Palustrine_Ponds_Potholes	40					0	Gleying,Mottling
61	WT-22-423	691.00000000	48.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	10					0	
288	WT-22-423a	0.00000000	0.00000000				0					0	
201	WT-22-424	0.00000000	0.00000000				0					0	
62	WT-22-424a	6.20000000	37.00000000	GB Clear	Mobile	Lacustrine	0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
315	WT-22-424b	0.00000000	0.00000000				0					0	
202	WT-22-425	0.00000000	0.00000000				0					0	
317	WT-22-425a	0.00000000	0.00000000				0					0	
311	WT-22-426	0.00000000	0.00000000				0					0	
286	WT-22-427	0.00000000	0.00000000				0					0	
203	WT-22-428	0.00000000	0.00000000				0					0	
566	WT-22-428a	0.00000000	0.00000000				0					0	
63	WT-22-429	6.90000000	34.00000000	GB Clear	Sluggish	Palustrine_Ponds_Potholes	15					0	
559	WT-22-430	0.00000000	0.00000000				0					0	
560	WT-22-430a	0.00000000	0.00000000				0					0	
561	WT-22-430b	0.00000000	0.00000000				0					0	
64	WT-22-431	7.40000000	36.00000000	GB Clear	Mobile	Fluvial	5					0	
65	WT-22-436	7.10000000	188.00000000	GB Clear	Mobile	Palustrine_Ponds_Potholes	40					0	
204	WT-22-438	0.00000000	0.00000000		Mobile	Palustrine_Ponds_Potholes	0					0	
357	WT-22-439	0.00000000	0.00000000				0					0	
205	WT-22-440	0.00000000	0.00000000		Stagnant	Palustrine_Ponds_Potholes	50					0	
206	WT-22-441	0.00000000	0.00000000	Tea	Stagnant	Palustrine_Ponds_Potholes	65	Silty				0	Gleying
207	WT-22-442	0.00000000	0.00000000		Mobile	Palustrine_Ponds_Potholes	0					0	
66	WT-22-443	5.30000000	53.00000000	GB Turbid	Stagnant	Palustrine _Basin_Hollows	5					0	
208	WT-22-444	0.00000000	0.00000000				0					0	
209	WT-22-446	0.00000000	0.00000000				0					0	
210	WT-22-447	0.00000000	0.00000000				0					0	
67	WT-22-449	6.60000000	24.00000000	GB Turbid	Mobile	Palustrine_Ponds_Potholes	100					0	
211	WT-22-450	0.00000000	0.00000000				0	Silty				0	
598	WT-22-450a	0.00000000	0.00000000				0					0	
212	WT-22-451	0.00000000	0.00000000				0					0	
596	WT-22-451a	0.00000000	0.00000000				0					0	
68	WT-22-453	6.30000000	35.00000000	GB Clear	Mobile	Palustrine _Basin_Hollows	5					0	
69	WT-22-455	6.90000000	0.00000000	GB Clear	Dynamic	Fluvial	10					0	
213	WT-22-456	0.00000000	0.00000000		Mobile	Fluvial	0	Silty				0	
534	WT-22-456a	0.00000000	0.00000000				0					0	
557	WT-22-458	0.00000000	0.00000000				0					0	
495	WT-22-459	0.00000000	0.00000000				0					0	
70	WT-22-465	7.40000000	25.00000000	GB Clear	Very Dynamic	Fluvial	10					0	
318	WT-22-465a	0.00000000	0.00000000				0					0	
562	WT-22-465b	0.00000000	0.00000000				0					0	
563	WT-22-465c	0.00000000	0.00000000				0					0	
71	WT-22-467	6.40000000	142.00000000	GB Clear	Mobile	Fluvial	0					0	
413	WT-22-467a	0.00000000	0.00000000				0					0	
72	WT-22-479	6.80000000	33.00000000	GB Clear	Sluggish	Palustrine_Seepage_slopes	2					0	
214	WT-22-479a	0.00000000	0.00000000				0					0	
73	WT-22-480	5.90000000	26.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	15					0	
376	WT-22-480a	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
74	WT-22-481	6.30000000	26.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
215	WT-22-481a	0.00000000	0.00000000				0					0	
378	WT-22-481b	0.00000000	0.00000000				0					0	
379	WT-22-481c	0.00000000	0.00000000				0					0	
356	WT-22-482	0.00000000	0.00000000				0					0	
216	WT-22-494	0.00000000	0.00000000				0					0	
217	WT-22-495	0.00000000	0.00000000				0					0	
372	WT-22-495a	0.00000000	0.00000000				0					0	
218	WT-22-496	0.00000000	0.00000000				0					0	
373	WT-22-496a	0.00000000	0.00000000				0					0	
75	WT-22-497	4.70000000	16.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	80					0	
375	WT-22-497a	0.00000000	0.00000000				0					0	
219	WT-22-498	0.00000000	0.00000000				0					0	
220	WT-22-499	0.00000000	0.00000000				0					0	
221	WT-22-500	0.00000000	0.00000000				0					0	
222	WT-22-501	0.00000000	0.00000000				0					0	
223	WT-22-502	0.00000000	0.00000000				0					0	
224	WT-22-503	0.00000000	0.00000000				0					0	
358	WT-22-503a	0.00000000	0.00000000				0					0	
359	WT-22-503b	0.00000000	0.00000000				0					0	
360	WT-22-503c	0.00000000	0.00000000				0					0	
361	WT-22-503d	0.00000000	0.00000000				0					0	
76	WT-22-504	5.90000000	45.00000000	GB Clear	Sluggish	Fluvial	0					0	
225	WT-22-505	0.00000000	0.00000000				0					0	
226	WT-22-506	0.00000000	0.00000000				0					0	
595	WT-22-507	0.00000000	0.00000000				0					0	
227	WT-22-509	0.00000000	0.00000000				0	Silty				0	Gleying,Seepage
77	WT-22-510a	0.00000000	0.00000000		Mobile	Fluvial	0					0	
228	WT-22-510b	0.00000000	0.00000000				0					0	
533	WT-22-510c	0.00000000	0.00000000				0					0	
229	WT-22-511	0.00000000	0.00000000				0					0	
386	WT-22-511a	0.00000000	0.00000000				0					0	
230	WT-22-512	0.00000000	0.00000000				0					0	
383	WT-22-512a	0.00000000	0.00000000				0					0	
384	WT-22-512b	0.00000000	0.00000000				0					0	
385	WT-22-512c	0.00000000	0.00000000				0					0	
231	WT-22-513	0.00000000	0.00000000				0					0	
382	WT-22-513a	0.00000000	0.00000000				0					0	
232	WT-22-514	0.00000000	0.00000000				0					0	
377	WT-22-514a	0.00000000	0.00000000				0					0	
233	WT-22-515	0.00000000	0.00000000				0					0	
389	WT-22-515a	0.00000000	0.00000000				0					0	
494	WT-22-516	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
234	WT-22-517	6.50000000	0.00000000	BG Clear	Dynamic	Palustrine_Ponds_Potholes	25					0	
78	WT-22-518	5.40000000	56.00000000	BG Clear	Stagnant	Palustrine_Ponds_Potholes	20					0	
79	WT-22-519	6.20000000	149.00000000	BG Clear	Sluggish	Palustrine_Ponds_Potholes	35					0	
496	WT-22-520	0.00000000	0.00000000				0					0	
235	WT-22-521	0.00000000	0.00000000		Stagnant	Palustrine_Ponds_Potholes	0					0	
236	WT-22-522	0.00000000	0.00000000		Stagnant	Palustrine_Ponds_Potholes	0					0	
237	WT-22-523	0.00000000	0.00000000				0					0	
238	WT-22-524	0.00000000	0.00000000		Sluggish	Lacustrine	0					0	
564	WT-22-531	0.00000000	0.00000000				0					0	
313	WT-22-532	0.00000000	0.00000000				0					0	
239	WT-22-533	0.00000000	0.00000000				0					0	
567	WT-22-533a	0.00000000	0.00000000				0					0	
240	WT-22-534	0.00000000	0.00000000				0					0	
565	WT-22-534a	0.00000000	0.00000000				0					0	
80	WT-22-535	4.00000000	0.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	3					0	Gleying,Mottling
241	WT-22-540	0.00000000	0.00000000				0					0	
558	WT-22-540a	0.00000000	0.00000000				0					0	
242	WT-22-556	0.00000000	0.00000000				0					0	
362	WT-22-556a	0.00000000	0.00000000				0					0	
363	WT-22-556b	0.00000000	0.00000000				0					0	
364	WT-22-556c	0.00000000	0.00000000				0					0	
365	WT-22-556d	0.00000000	0.00000000				0					0	
243	WT-22-557	0.00000000	0.00000000				0					0	
513	WT-22-557a	0.00000000	0.00000000				0					0	
244	WT-22-558	0.00000000	0.00000000				0					0	
511	WT-22-558a	0.00000000	0.00000000				0					0	
81	WT-22-559	6.10000000	28.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	3					0	
516	WT-22-560	0.00000000	0.00000000				0					0	
517	WT-22-560b	0.00000000	0.00000000				0					0	
245	WT-22-561	0.00000000	0.00000000				0					0	
515	WT-22-561a	0.00000000	0.00000000				0					0	
82	WT-22-569	6.80000000	123.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
418	WT-22-570	0.00000000	0.00000000				0					0	
83	WT-22-570a	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
419	WT-22-571	0.00000000	0.00000000				0					0	
246	WT-22-572	0.00000000	0.00000000				0					0	
570	WT-22-583	0.00000000	0.00000000				0					0	
575	WT-22-584	0.00000000	0.00000000				0					0	
247	WT-22-589	0.00000000	0.00000000				0					0	
526	WT-22-591	0.00000000	0.00000000				0					0	
248	WT-22-592	0.00000000	0.00000000				0					0	
352	WT-22-592a	0.00000000	0.00000000				0					0	
249	WT-22-593	0.00000000	0.00000000				0					0	
353	WT-22-593a	0.00000000	0.00000000				0					0	
84	WT-22-594	7.20000000	145.00000000	GB Clear	Mobile	Palustrine_Seepage_slopes	0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
250	WT-22-594a	0.00000000	0.00000000				0					0	
345	WT-22-594b	0.00000000	0.00000000				0					0	
346	WT-22-594c	0.00000000	0.00000000				0					0	
85	WT-22-595	5.80000000	0.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	1					0	
508	WT-22-612	0.00000000	0.00000000				0					0	
510	WT-22-613	0.00000000	0.00000000				0					0	
522	WT-22-616	0.00000000	0.00000000				0					0	
86	WT-22-618	7.60000000	41.00000000	GB Turbid	Mobile	Palustrine_Seepage_slopes	5			Humic	35	0	
523	WT-22-618a	0.00000000	0.00000000				0					0	
87	WT-22-619	659.00000000	26.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	0					0	
88	WT-22-620	5.80000000	16.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	5					0	
253	WT-22-620a	0.00000000	0.00000000				0					0	
254	WT-22-621	0.00000000	0.00000000				0					0	
255	WT-22-621a	0.00000000	0.00000000				0					0	
301	WT-22-621b	0.00000000	0.00000000				0					0	
89	WT-22-621c	6.30000000	15.00000000	GB Clear	Dynamic	Fluvial	10					0	
90	WT-22-623	6.70000000	31.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	1					0	
256	WT-22-623a	0.00000000	0.00000000				0					0	
257	WT-22-623b	0.00000000	0.00000000				0					0	
91	WT-22-624	6.50000000	58.00000000	GB Clear	Mobile	Palustrine_Basin_Hollows	25					0	
258	WT-22-624a	0.00000000	0.00000000				0					0	
259	WT-22-626	0.00000000	0.00000000				0					0	
92	WT-22-627	5.80000000	16.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	4					0	
93	WT-22-629	4.20000000	25.00000000	GB Clear	Sluggish	Palustrine _Basin_Hollows	85					0	
260	WT-22-630	0.00000000	0.00000000				0					0	
261	WT-22-631	0.00000000	0.00000000				0					0	
262	WT-22-632	0.00000000	0.00000000				0					0	
94	WT-22-633	5.40000000	16.00000000	GB Clear	Mobile	Palustrine_Ponds_Potholes	5					0	
527	WT-22-634	0.00000000	0.00000000				0					0	
95	WT-22-635	7.60000000	19.00000000	GB Clear	Mobile	Fluvial	5					0	
96	WT-22-636	0.00000000	0.00000000		Stagnant	Palustrine _Basin_Hollows	0					0	
332	WT-22-637	0.00000000	0.00000000				0					0	
97	WT-22-638	0.00000000	0.00000000		Sluggish	Palustrine _Basin_Hollows	0					0	
331	WT-22-638a	0.00000000	0.00000000				0					0	
98	WT-22-639	6.50000000	52.00000000	Tea	Mobile	Palustrine _Basin_Hollows	2					0	
264	WT-22-639a	0.00000000	0.00000000				0					0	
327	WT-22-639b	0.00000000	0.00000000				0					0	
328	WT-22-639c	0.00000000	0.00000000				0					0	
326	WT-22-640	0.00000000	0.00000000				0					0	
265	WT-22-641	0.00000000	0.00000000				0					0	
339	WT-22-641a	0.00000000	0.00000000				0					0	
266	WT-22-642	0.00000000	0.00000000				0					0	
338	WT-22-642a	0.00000000	0.00000000				0					0	
267	WT-22-643	0.00000000	0.00000000				0					0	
325	WT-22-643a	0.00000000	0.00000000				0					0	
268	WT-22-644	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
320	WT-22-644a	0.00000000	0.00000000				0					0	
251	WT-22-645	0.00000000	0.00000000				0					0	
323	WT-22-645a	0.00000000	0.00000000				0					0	
269	WT-22-646	0.00000000	0.00000000				0					0	
270	WT-22-646a	0.00000000	0.00000000				0					0	
321	WT-22-646b	0.00000000	0.00000000				0					0	
322	WT-22-646c	0.00000000	0.00000000				0					0	
481	WT-22-647	0.00000000	0.00000000				0					0	
482	WT-22-647a	0.00000000	0.00000000				0					0	
485	WT-22-647b	0.00000000	0.00000000				0					0	
486	WT-22-647c	0.00000000	0.00000000				0					0	
455	WT-22-648	0.00000000	0.00000000				0					0	
478	WT-22-648a	0.00000000	0.00000000				0					0	
479	WT-22-649	0.00000000	0.00000000				0					0	
477	WT-22-650	0.00000000	0.00000000				0					0	
448	WT-22-651	0.00000000	0.00000000				0					0	
99	WT-22-652	7.30000000	124.00000000	BG Clear	Sluggish	Palustrine _Basin_Hollows	0					0	
432	WT-22-652a	0.00000000	0.00000000				0					0	
439	WT-22-653	0.00000000	0.00000000				0					0	
271	WT-22-655	0.00000000	0.00000000				0					0	
100	WT-22-656	6.90000000	154.00000000	GB Turbid	Mobile	Palustrine_Seepage_slopes	0					0	
452	WT-22-656a	0.00000000	0.00000000				0					0	
453	WT-22-656b	0.00000000	0.00000000				0					0	
454	WT-22-656c	0.00000000	0.00000000				0					0	
272	WT-22-657	0.00000000	0.00000000				0					0	
460	WT-22-657a	0.00000000	0.00000000				0					0	
101	WT-22-660	6.10000000	105.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	5					0	
273	WT-22-660a	0.00000000	0.00000000				0					0	
102	WT-22-661	5.40000000	43.00000000		Mobile	Fluvial	0					0	Gleying,Mottling
103	WT-22-662	7.30000000	48.00000000	GB Clear	Mobile	Fluvial	10					0	
274	WT-22-662a	0.00000000	0.00000000				0					0	
592	WT-22-662b	0.00000000	0.00000000				0					0	
594	WT-22-662c	0.00000000	0.00000000				0					0	
285	WT-22-664	0.00000000	0.00000000				0					0	
275	WT-22-665	0.00000000	0.00000000				0					0	
312	WT-22-665a	0.00000000	0.00000000				0					0	
276	WT-22-666	0.00000000	0.00000000				0					0	
314	WT-22-666a	0.00000000	0.00000000				0					0	
316	WT-22-667	0.00000000	0.00000000				0					0	
104	WT-22-669	0.00000000	0.00000000	GB Clear	Stagnant	Palustrine _Basin_Hollows	5					0	
277	WT-22-670	4.30000000	0.00000000		Stagnant	Palustrine _Basin_Hollows	0	Silty		Humic		0	Gleying,Seepage
278	WT-22-671	4.90000000	0.00000000		Stagnant	Palustrine _Basin_Hollows	0	Silty		Humic		0	Gleying,Seepage
105	WT-22-673	5.40000000	0.00000000	GB Clear	Mobile	Palustrine _Basin_Hollows	90					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa pH	wa conduct	wa water c	wa hdi	wa hgm	wa open wa	wa Mineral	wa Humus f	wa Organic	wa Root re	wa CF perc	wa soil pr
279	WT-22-673a	0.00000000	0.00000000				0					0	
555	WT-22-674	0.00000000	0.00000000				0					0	
556	WT-22-674a	0.00000000	0.00000000				0					0	
450	WT-22-675	0.00000000	0.00000000				0					0	
451	WT-22-675a	0.00000000	0.00000000				0					0	
280	WT-22-676	0.00000000	0.00000000				0					0	
518	WT-22-676a	0.00000000	0.00000000				0					0	
519	WT-22-676b	0.00000000	0.00000000				0					0	
198	WT-22-679	0.00000000	0.00000000				0					0	
106	WT-22-687	0.00000000	0.00000000		Sluggish	Palustrine_Seepage_slopes	0					0	
336	WT-22-687a	0.00000000	0.00000000				0					0	
367	WT-22-721	0.00000000	0.00000000				0					0	
633	WT-22-755	0.00000000	0.00000000				0					0	
281	WT-22-777	0.00000000	0.00000000				0					0	
629	WT-22-783	0.00000000	0.00000000				0					0	
758	WT-22-814	0.00000000	0.00000000				0					0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
393	CH100	0	0	0				0	0	0	0	0	0				
395	CH101	0	0	0				0	0	0	0	0	0				
396	CH102	0	0	0				0	0	0	0	0	0				
397	CH103	0	0	0				0	0	0	0	0	0				
398	CH104	0	0	0				0	0	0	0	0	0				
1	Lake 15/16	0	0	0		Very Moist	Medium	85	10	0	0	0	5	u	O	v	
2	MC01	0	0	0		Wet	Medium	100	0	0	0	0	0	z	F	p	
3	MC02	0	0	0		Wet	Poor	100	0	0	0	0	0	h	O	b	z
4	MC03	0	0	0		Very Moist	Rich	80	20	0	0	0	0	u	O	b	
107	MC04	0	0	0		Wet		0	0	0	0	0	0				
5	MC05	0	0	0		Very Moist	Medium	100	0	0	0	0	0	z	F	p	
6	MC06	0	0	0		Wet	Poor	90	5	5	0	0	0	e	O	p	
7	MC07	0	0	0		Very Moist	Poor	85	10	0	0	0	5	e	O	p	
8	MC08	0	0	0		Very Moist	Rich	85	15	0	0	0	0	u	O	p	
108	MC09	0	0	0				0	0	0	0	0	0				
109	MC10	0	0	0				0	0	0	0	0	0				
802	MC100	0	0	0				0	0	0	0	0	0				
801	MC101	0	0	0				0	0	0	0	0	0				
800	MC102	0	0	0				0	0	0	0	0	0				
797	MC103	0	0	0				0	0	0	0	0	0				
783	MC104	0	0	0				0	0	0	0	0	0				
781	MC105	0	0	0				0	0	0	0	0	0				
779	MC106	0	0	0				0	0	0	0	0	0				
784	MC107	0	0	0				0	0	0	0	0	0				
782	MC108	0	0	0				0	0	0	0	0	0				
792	MC109	0	0	0				0	0	0	0	0	0				
9	MC11	0	0	0		Wet	Medium	100	0	0	0	0	0	u	O	p	
778	MC110	0	0	0				0	0	0	0	0	0				
780	MC111	0	0	0				0	0	0	0	0	0				
787	MC111a	0	0	0				0	0	0	0	0	0				
790	MC113	0	0	0				0	0	0	0	0	0				
785	MC114	0	0	0				0	0	0	0	0	0				
791	MC115	0	0	0				0	0	0	0	0	0				
796	MC116	0	0	0				0	0	0	0	0	0				
788	MC117	0	0	0				0	0	0	0	0	0				
794	MC118	0	0	0				0	0	0	0	0	0				
786	MC119	0	0	0				0	0	0	0	0	0				
10	MC12	0	0	0		Very Moist	Medium	100	0	0	0	0	0	z	F	p	
789	MC120	0	0	0				0	0	0	0	0	0				
795	MC121	0	0	0				0	0	0	0	0	0				
799	MC122	0	0	0				0	0	0	0	0	0				
295	MC123	0	0	0				0	0	0	0	0	0				
296	MC124	0	0	0				0	0	0	0	0	0				
798	MC125	0	0	0				0	0	0	0	0	0				
110	MC13	0	0	0				0	0	0	0	0	0				
11	MC14	0	0	0		Wet	Medium	100	0	0	0	0	0	z	F	p	
111	MC15	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
12	MC16	0	0	0		Wet	Poor	95	4	0	0	0	1	u	O	p	
112	MC17	0	0	0				0	0	0	0	0	0				
113	MC18	0	0	0				0	0	0	0	0	0				
114	MC19	0	0	0				0	0	0	0	0	0				
13	MC20	0	0	0		Wet	Poor	95	5	0	0	0	0	u	O	d	
14	MC21	0	0	0		Wet	Poor	95	5	0	0	0	0	h	O	p	
15	MC22	0	0	0		Wet	Poor	98	0	0	0	0	2	h	O	p	
16	MC23	0	0	0		Wet	Medium	95	0	0	0	0	5	h	O	p	
17	MC24	0	0	0		Very Wet	Rich	95	0	0	0	0	5	z	F	p	
115	MC25	0	0	0		Very Moist	Medium	0	0	0	0	0	0				
18	MC26	0	0	0		Very Wet	Medium	90	0	0	0	0	10	scz	O	x	
19	MC27	0	0	0		Wet	Medium	100	0	0	0	0	0	u	O	x	
20	MC28	0	0	0		Very Wet	Medium	85	0	0	0	0	15	h	O	b	
116	MC29	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
21	MC30	0	0	0		Very Moist	Rich	90	0	0	0	0	10	z	F	p	
22	MC31	0	0	0		Wet	Poor	90	5	0	0	0	5	u	O	b	
117	MC32	0	0	0				0	0	0	0	0	0				
23	MC33	0	0	0		Very Wet	Medium	80	0	0	0	0	20	u	O	b	
24	MC34	0	0	0		Very Moist	Medium	80	20	0	0	0	0	cz	F	p	
289	WT100	0	0	0				0	0	0	0	0	0				
290	WT101	0	0	0				0	0	0	0	0	0				
300	WT102	0	0	0				0	0	0	0	0	0				
305	WT103	0	0	0				0	0	0	0	0	0				
350	WT104	0	0	0				0	0	0	0	0	0				
354	WT105	0	0	0				0	0	0	0	0	0				
355	WT106	0	0	0				0	0	0	0	0	0				
392	WT108	0	0	0				0	0	0	0	0	0				
417	WT109	0	0	0				0	0	0	0	0	0				
445	WT110	0	0	0				0	0	0	0	0	0				
446	WT111	0	0	0				0	0	0	0	0	0				
458	WT112	0	0	0				0	0	0	0	0	0				
459	WT113	0	0	0				0	0	0	0	0	0				
461	WT114	0	0	0				0	0	0	0	0	0				
462	WT115	0	0	0				0	0	0	0	0	0				
463	WT116	0	0	0				0	0	0	0	0	0				
465	WT117	0	0	0				0	0	0	0	0	0				
466	WT118	0	0	0				0	0	0	0	0	0				
470	WT119	0	0	0				0	0	0	0	0	0				
473	WT120	0	0	0				0	0	0	0	0	0				
474	WT121	0	0	0				0	0	0	0	0	0				
488	WT122	0	0	0				0	0	0	0	0	0				
493	WT123	0	0	0				0	0	0	0	0	0				
497	WT124	0	0	0				0	0	0	0	0	0				
498	WT125	0	0	0				0	0	0	0	0	0				
499	WT126	0	0	0				0	0	0	0	0	0				
528	WT127	0	0	0				0	0	0	0	0	0				
545	WT128	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
546	WT129	0	0	0				0	0	0	0	0	0				
549	WT130	0	0	0				0	0	0	0	0	0				
551	WT131	0	0	0				0	0	0	0	0	0				
568	WT132	0	0	0				0	0	0	0	0	0				
569	WT133	0	0	0				0	0	0	0	0	0				
578	WT134	0	0	0				0	0	0	0	0	0				
579	WT135	0	0	0				0	0	0	0	0	0				
580	WT136	0	0	0				0	0	0	0	0	0				
597	WT137	0	0	0				0	0	0	0	0	0				
599	WT138	0	0	0				0	0	0	0	0	0				
603	WT139	0	0	0				0	0	0	0	0	0				
404	WT140	0	0	0				0	0	0	0	0	0				
405	WT141	0	0	0				0	0	0	0	0	0				
617	WT142	0	0	0				0	0	0	0	0	0				
621	WT143	0	0	0				0	0	0	0	0	0				
628	WT144	0	0	0				0	0	0	0	0	0				
649	WT147	0	0	0				0	0	0	0	0	0				
650	WT148	0	0	0				0	0	0	0	0	0				
678	WT149	0	0	0				0	0	0	0	0	0				
774	WT150	0	0	0				0	0	0	0	0	0				
776	WT151	0	0	0				0	0	0	0	0	0				
777	WT152	0	0	0				0	0	0	0	0	0				
752	WT153	0	0	0				0	0	0	0	0	0				
754	WT154	0	0	0				0	0	0	0	0	0				
756	WT155	0	0	0				0	0	0	0	0	0				
757	WT156	0	0	0				0	0	0	0	0	0				
766	WT159	0	0	0				0	0	0	0	0	0				
773	WT160	0	0	0				0	0	0	0	0	0				
293	WT161	0	0	0				0	0	0	0	0	0				
662	WT162	0	0	0				0	0	0	0	0	0				
669	WT163	0	0	0				0	0	0	0	0	0				
721	WT164	0	0	0				0	0	0	0	0	0				
722	WT165	0	0	0				0	0	0	0	0	0				
727	WT166	0	0	0				0	0	0	0	0	0				
729	WT167	0	0	0				0	0	0	0	0	0				
730	WT168	0	0	0				0	0	0	0	0	0				
732	WT169	0	0	0				0	0	0	0	0	0				
735	WT170	0	0	0				0	0	0	0	0	0				
737	WT171	0	0	0				0	0	0	0	0	0				
741	WT172	0	0	0				0	0	0	0	0	0				
611	WT-22-001a	0	0	0				0	0	0	0	0	0				
25	WT-22-003	0	0	0		Wet	Very Rich	90	10	0	0	0	0		F	p	
426	WT-22-003a	0	0	0				0	0	0	0	0	0				
428	WT-22-003b	0	0	0				0	0	0	0	0	0				
429	WT-22-003c	0	0	0				0	0	0	0	0	0				
430	WT-22-003d	0	0	0				0	0	0	0	0	0				
408	WT-22-004	0	0	0				0	0	0	0	0	0				
420	WT-22-004a	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
421	WT-22-008	0	0	0				0	0	0	0	0	0				
422	WT-22-008a	0	0	0				0	0	0	0	0	0				
423	WT-22-008b	0	0	0				0	0	0	0	0	0				
424	WT-22-008c	0	0	0				0	0	0	0	0	0				
425	WT-22-008d	0	0	0				0	0	0	0	0	0				
427	WT-22-008e	0	0	0				0	0	0	0	0	0				
26	WT-22-011	0	0	0		Wet	Very Rich	90	0	0	0	0	10	sz	F	p	
119	WT-22-012a	0	0	0				0	0	0	0	0	0				
400	WT-22-012b	0	0	0				0	0	0	0	0	0				
401	WT-22-012c	0	0	0				0	0	0	0	0	0				
613	WT-22-014	0	0	0				0	0	0	0	0	0				
614	WT-22-014a	0	0	0				0	0	0	0	0	0				
27	WT-22-015	0	0	0		Very Wet	Rich	80	0	0	0	0	20	sz	F	p	
399	WT-22-015a	0	0	0				0	0	0	0	0	0				
402	WT-22-015b	0	0	0				0	0	0	0	0	0				
403	WT-22-015c	0	0	0				0	0	0	0	0	0				
406	WT-22-015d	0	0	0				0	0	0	0	0	0				
407	WT-22-015e	0	0	0				0	0	0	0	0	0				
612	WT-22-016	0	0	0				0	0	0	0	0	0				
409	WT-22-017	0	0	0				0	0	0	0	0	0				
411	WT-22-022	0	0	0				0	0	0	0	0	0				
28	WT-22-023	0	0	0		Very Wet	Medium	40	0	0	0	0	60	cz	M	d	
618	WT-22-023a	0	0	0				0	0	0	0	0	0				
623	WT-22-025	0	0	0				0	0	0	0	0	0				
622	WT-22-026	0	0	0				0	0	0	0	0	0				
29	WT-22-027	0	0	0		Very Wet	Medium	50	0	0	0	0	50	z	M	d	
624	WT-22-028	0	0	0				0	0	0	0	0	0				
625	WT-22-028a	0	0	0				0	0	0	0	0	0				
626	WT-22-028b	0	0	0				0	0	0	0	0	0				
627	WT-22-028c	0	0	0				0	0	0	0	0	0				
619	WT-22-030	0	0	0				0	0	0	0	0	0				
620	WT-22-030a	0	0	0				0	0	0	0	0	0				
120	WT-22-031	0	0	0				0	0	0	0	0	0				
638	WT-22-031a	0	0	0				0	0	0	0	0	0				
121	WT-22-033	0	0	0				0	0	0	0	0	0				
630	WT-22-033a	0	0	0				0	0	0	0	0	0				
632	WT-22-034	0	0	0				0	0	0	0	0	0				
122	WT-22-036	0	0	0				0	0	0	0	0	0				
123	WT-22-039	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
124	WT-22-042	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
635	WT-22-043	0	0	0				0	0	0	0	0	0				
412	WT-22-044	0	0	0				0	0	0	0	0	0				
292	WT-22-045	0	0	0				0	0	0	0	0	0				
30	WT-22-046	0	0	0		Very Wet	Rich	82	0	3	0	5	10		F	p	
676	WT-22-046a	0	0	0				0	0	0	0	0	0				
677	WT-22-046b	0	0	0				0	0	0	0	0	0				
674	WT-22-047	0	0	0				0	0	0	0	0	0				
673	WT-22-048	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
704	WT-22-049	0	0	0				0	0	0	0	0	0				
637	WT-22-052	0	0	0				0	0	0	0	0	0				
126	WT-22-054	0	0	0				0	0	0	0	0	0		M		
671	WT-22-054a	0	0	0				0	0	0	0	0	0				
681	WT-22-054b	0	0	0				0	0	0	0	0	0				
31	WT-22-055	120	0	0		Very Moist	Medium	100	0	0	0	0	0		O		
679	WT-22-055a	0	0	0				0	0	0	0	0	0				
680	WT-22-055b	0	0	0				0	0	0	0	0	0				
127	WT-22-056c	0	0	0				0	0	0	0	0	0		O		
128	WT-22-057	0	0	0				0	0	0	0	0	0				
684	WT-22-057a	0	0	0				0	0	0	0	0	0				
686	WT-22-059	0	0	0				0	0	0	0	0	0				
775	WT-22-061	0	0	0				0	0	0	0	0	0				
129	WT-22-062	5	45	0		Very Moist	Rich	75	25	0	0	0	0		F		
695	WT-22-062a	0	0	0				0	0	0	0	0	0				
696	WT-22-062b	0	0	0				0	0	0	0	0	0				
656	WT-22-063	0	0	0				0	0	0	0	0	0				
654	WT-22-064	0	0	0				0	0	0	0	0	0				
639	WT-22-066	0	0	0				0	0	0	0	0	0				
644	WT-22-066a	0	0	0				0	0	0	0	0	0				
655	WT-22-067	0	0	0				0	0	0	0	0	0				
32	WT-22-069	0	0	0		Very Moist	Rich	35	15	0	0	0	50	z	M	d	
643	WT-22-069a	0	0	0				0	0	0	0	0	0				
641	WT-22-070	0	0	0				0	0	0	0	0	0				
33	WT-22-071	0	0	0		Very Moist	Poor	90	10	0	0	0	0	e	O	v	
772	WT-22-073	0	0	0				0	0	0	0	0	0				
771	WT-22-074	0	0	0				0	0	0	0	0	0				
770	WT-22-075	0	0	0				0	0	0	0	0	0				
769	WT-22-076	0	0	0				0	0	0	0	0	0				
767	WT-22-078	0	0	0				0	0	0	0	0	0				
768	WT-22-079	0	0	0				0	0	0	0	0	0				
763	WT-22-083	0	0	0				0	0	0	0	0	0				
764	WT-22-084	0	0	0				0	0	0	0	0	0				
761	WT-22-087	0	0	0				0	0	0	0	0	0				
755	WT-22-089	0	0	0				0	0	0	0	0	0				
753	WT-22-091	0	0	0				0	0	0	0	0	0				
657	WT-22-094	0	0	0				0	0	0	0	0	0				
658	WT-22-094a	0	0	0				0	0	0	0	0	0				
664	WT-22-096	0	0	0				0	0	0	0	0	0				
663	WT-22-097	0	0	0				0	0	0	0	0	0				
282	WT-22-099	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
661	WT-22-100	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
34	WT-22-101	0	0	0		Very Moist	Very Rich	74	25	0	0	0	1	z	M	b	
750	WT-22-102	0	0	0				0	0	0	0	0	0				
748	WT-22-105	0	0	0				0	0	0	0	0	0				
667	WT-22-106	0	0	0				0	0	0	0	0	0				
665	WT-22-107	0	0	0				0	0	0	0	0	0				
666	WT-22-107a	0	0	0				0	0	0	0	0	0				
668	WT-22-108	0	0	0				0	0	0	0	0	0				
745	WT-22-109	0	0	0				0	0	0	0	0	0				
742	WT-22-110	0	0	0				0	0	0	0	0	0				
740	WT-22-114	0	0	0				0	0	0	0	0	0				
739	WT-22-115	0	0	0				0	0	0	0	0	0				
738	WT-22-116	0	0	0				0	0	0	0	0	0				
736	WT-22-118	0	0	0				0	0	0	0	0	0				
689	WT-22-119	0	0	0				0	0	0	0	0	0				
690	WT-22-119a	0	0	0				0	0	0	0	0	0				
130	WT-22-123	0	38	0				0	0	0	0	0	0				
294	WT-22-125	0	0	0				0	0	0	0	0	0				
131	WT-22-126	12	40	0				0	0	0	0	0	0		F	v	
733	WT-22-128	0	0	0				0	0	0	0	0	0				
731	WT-22-129	0	0	0				0	0	0	0	0	0				
726	WT-22-130	0	0	0				0	0	0	0	0	0				
728	WT-22-130a	0	0	0				0	0	0	0	0	0				
724	WT-22-132	0	0	0				0	0	0	0	0	0				
725	WT-22-132a	0	0	0				0	0	0	0	0	0				
705	WT-22-137	0	0	0				0	0	0	0	0	0				
132	WT-22-138	0	0	0				0	0	0	0	0	0				
707	WT-22-139	0	0	0				0	0	0	0	0	0				
708	WT-22-142	0	0	0				0	0	0	0	0	0				
718	WT-22-143	0	0	0				0	0	0	0	0	0				
716	WT-22-144	0	0	0				0	0	0	0	0	0				
717	WT-22-145	0	0	0				0	0	0	0	0	0				
710	WT-22-146	0	0	0				0	0	0	0	0	0				
35	WT-22-148	0	0	0		Moist	Very Rich	65	35	0	0	0	0	z	M	b	
651	WT-22-151	0	0	0				0	0	0	0	0	0				
682	WT-22-152	0	0	0				0	0	0	0	0	0				
133	WT-22-153	120	0	0				83	15	0	0	2	3		O	v	
751	WT-22-154	0	0	0				0	0	0	0	0	0				
648	WT-22-156	0	0	0				0	0	0	0	0	0				
634	WT-22-157	0	0	0				0	0	0	0	0	0				
747	WT-22-160	0	0	0				0	0	0	0	0	0				
134	WT-22-161	0	0	0		Moist	Very Rich	0	0	0	0	0	0				
36	WT-22-163	0	0	0		Wet	Medium	90	10	0	0	0	0	s	M	j	
135	WT-22-164	0	0	0				0	0	0	0	0	0				
734	WT-22-165	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
687	WT-22-166	0	0	0				0	0	0	0	0	0				
746	WT-22-168	0	0	0				0	0	0	0	0	0				
136	WT-22-170	0	0	0				0	0	0	0	0	0				
685	WT-22-171	0	0	0				0	0	0	0	0	0				
137	WT-22-173	0	0	0				0	0	0	0	0	0				
155	WT-22-173a	0	0	0				0	0	0	0	0	0				
703	WT-22-174	0	0	0				0	0	0	0	0	0				
410	WT-22-179	0	0	0				0	0	0	0	0	0				
636	WT-22-180	0	0	0				0	0	0	0	0	0				
138	WT-22-184a	0	0	0				0	0	0	0	0	0		M		
693	WT-22-185	0	0	0				0	0	0	0	0	0				
694	WT-22-186	0	0	0				0	0	0	0	0	0				
653	WT-22-188	0	0	0				0	0	0	0	0	0				
609	WT-22-189	0	0	0				0	0	0	0	0	0				
139	WT-22-190	0	0	0		Very Moist	Rich	70	30	0	0	0	0	h	O	x	
37	WT-22-191	0	0	0		Very Moist	Rich	65	35	0	0	0	0	h	O	x	
547	WT-22-191a	0	0	0				0	0	0	0	0	0				
548	WT-22-191b	0	0	0				0	0	0	0	0	0				
550	WT-22-191c	0	0	0				0	0	0	0	0	0				
539	WT-22-192	0	0	0				0	0	0	0	0	0				
544	WT-22-192a	0	0	0				0	0	0	0	0	0				
600	WT-22-193	0	0	0				0	0	0	0	0	0				
38	WT-22-194	0	0	0		Very Moist	Very Rich	65	35	0	0	0	0	s	F		
307	WT-22-194a	0	0	0				0	0	0	0	0	0				
308	WT-22-194b	0	0	0				0	0	0	0	0	0				
140	WT-22-195	120	0	4		Wet	Poor	0	0	0	0	0	0				
141	WT-22-196	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
607	WT-22-199	0	0	0				0	0	0	0	0	0				
142	WT-22-201	0	0	0				0	0	0	0	0	0				
39	WT-22-202	0	0	0		Very Moist	Very Rich	80	20	0	0	0	0	z	F	p	
414	WT-22-202a	0	0	0				0	0	0	0	0	0				
415	WT-22-202b	0	0	0				0	0	0	0	0	0				
416	WT-22-202c	0	0	0				0	0	0	0	0	0				
576	WT-22-202d	0	0	0				0	0	0	0	0	0				
577	WT-22-202e	0	0	0				0	0	0	0	0	0				
40	WT-22-204	0	0	0		Wet	Medium	85	10	0	0	0	5	u	O	b	
538	WT-22-204a	0	0	0				0	0	0	0	0	0				
540	WT-22-205	0	0	0				0	0	0	0	0	0				
541	WT-22-205a	0	0	0				0	0	0	0	0	0				
537	WT-22-206	0	0	0				0	0	0	0	0	0				
536	WT-22-207	0	0	0				0	0	0	0	0	0				
41	WT-22-209	0	0	0		Very Moist	Medium	98	2	0	0	0	0	u	O	v	
581	WT-22-212	0	0	0				0	0	0	0	0	0				
582	WT-22-213	0	0	0				0	0	0	0	0	0				
583	WT-22-213a	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
143	WT-22-215	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
309	WT-22-219	0	0	0				0	0	0	0	0	0				
252	WT-22-219a	0	0	0				0	0	0	0	0	0				
42	WT-22-220	0	0	0		Moist	Rich	90	0	0	0	0	10	s	F		
310	WT-22-220a	0	0	0				0	0	0	0	0	0				
601	WT-22-223	0	0	0				0	0	0	0	0	0				
602	WT-22-223a	0	0	0				0	0	0	0	0	0				
605	WT-22-223b	0	0	0				0	0	0	0	0	0				
606	WT-22-223c	0	0	0				0	0	0	0	0	0				
608	WT-22-223d	0	0	0				0	0	0	0	0	0				
604	WT-22-224	0	0	0				0	0	0	0	0	0				
144	WT-22-226	0	0	0		Very Wet	Rich	0	0	0	0	0	0				
145	WT-22-227	0	0	0				0	0	0	0	0	0				
43	WT-22-227a	0	0	0		Very Moist	Very Rich	80	20	0	0	0	0	zs	F		
306	WT-22-227b	0	0	0				0	0	0	0	0	0				
535	WT-22-227c	0	0	0				0	0	0	0	0	0				
554	WT-22-228	0	0	0				0	0	0	0	0	0				
552	WT-22-229	0	0	0				0	0	0	0	0	0				
553	WT-22-229a	0	0	0				0	0	0	0	0	0				
543	WT-22-231	0	0	0				0	0	0	0	0	0				
610	WT-22-232	0	0	0				0	0	0	0	0	0				
44	WT-22-236	0	0	0		Very Moist	Medium	95	5	0	0	0	0		F		
615	WT-22-238	0	0	0				0	0	0	0	0	0				
616	WT-22-239	0	0	0				0	0	0	0	0	0				
631	WT-22-243	0	0	0				0	0	0	0	0	0				
146	WT-22-244	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
147	WT-22-246	0	0	0				0	0	0	0	0	0		O		
125	WT-22-247	0	0	0				0	0	0	0	0	0				
148	WT-22-249	0	0	0				0	0	0	0	0	0				
149	WT-22-250	0	0	0				95	5	0	0	0	0		O	v	
683	WT-22-250a	0	0	0				0	0	0	0	0	0				
150	WT-22-252	0	0	0				0	0	0	0	0	0		F		
697	WT-22-252a	0	0	0				0	0	0	0	0	0				
645	WT-22-255	0	0	0				0	0	0	0	0	0				
646	WT-22-255a	0	0	0				0	0	0	0	0	0				
647	WT-22-256	0	0	0				0	0	0	0	0	0				
642	WT-22-257a	0	0	0				0	0	0	0	0	0				
765	WT-22-259	0	0	0				0	0	0	0	0	0				
762	WT-22-263	0	0	0				0	0	0	0	0	0				
151	WT-22-268	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
659	WT-22-269	0	0	0				0	0	0	0	0	0				
759	WT-22-273	0	0	0				0	0	0	0	0	0				
760	WT-22-273a	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
660	WT-22-279	0	0	0				0	0	0	0	0	0				
749	WT-22-283	0	0	0				0	0	0	0	0	0				
152	WT-22-284	0	0	0		Moist	Rich	0	0	0	0	0	0				
153	WT-22-285	0	0	0		Moist	Very Rich	0	0	0	0	0	0				
744	WT-22-286	0	0	0				0	0	0	0	0	0				
743	WT-22-287	0	0	0				0	0	0	0	0	0				
670	WT-22-291	0	0	0				0	0	0	0	0	0				
698	WT-22-294	0	0	0				0	0	0	0	0	0				
701	WT-22-295	0	0	0				0	0	0	0	0	0				
700	WT-22-296	0	0	0				0	0	0	0	0	0				
154	WT-22-298	0	0	0				0	0	0	0	0	0				
702	WT-22-298a	0	0	0				0	0	0	0	0	0				
723	WT-22-307	0	0	0				0	0	0	0	0	0				
720	WT-22-309	0	0	0				0	0	0	0	0	0				
45	WT-22-311	0	0	0		Moist	Rich	80	15	0	0	5	0	gsz	M	b	
706	WT-22-312	0	0	0				0	0	0	0	0	0				
156	WT-22-313	0	0	0				0	0	0	0	0	0				
719	WT-22-315	0	0	0				0	0	0	0	0	0				
712	WT-22-316	0	0	0				0	0	0	0	0	0				
715	WT-22-317	0	0	0				0	0	0	0	0	0				
713	WT-22-318	0	0	0				0	0	0	0	0	0				
714	WT-22-319	0	0	0				0	0	0	0	0	0				
711	WT-22-320	0	0	0				0	0	0	0	0	0				
709	WT-22-321	0	0	0				0	0	0	0	0	0				
157	WT-22-323	0	0	0				0	0	0	0	0	0				
584	WT-22-325	0	0	0				0	0	0	0	0	0				
585	WT-22-326	0	0	0				0	0	0	0	0	0				
158	WT-22-328	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
159	WT-22-329	0	0	0				0	0	0	0	0	0				
366	WT-22-329a	0	0	0				0	0	0	0	0	0				
471	WT-22-330	0	0	0				0	0	0	0	0	0				
46	WT-22-332	0	0	0		Very Wet	Medium	75	0	0	0	0	25		O	b	
160	WT-22-332a	0	0	0				0	0	0	0	0	0				
388	WT-22-332b	0	0	0				0	0	0	0	0	0				
47	WT-22-333	0	0	0		Wet	Very Rich	99	0	0	0	0	1		L		
500	WT-22-334	0	0	0				0	0	0	0	0	0				
501	WT-22-334a	0	0	0				0	0	0	0	0	0				
502	WT-22-334b	0	0	0				0	0	0	0	0	0				
161	WT-22-336	0	0	0				0	0	0	0	0	0				
491	WT-22-336a	0	0	0				0	0	0	0	0	0				
492	WT-22-336b	0	0	0				0	0	0	0	0	0				
490	WT-22-338a	0	0	0				0	0	0	0	0	0				
118	WT-22-338b	0	0	0				0	0	0	0	0	0				
162	WT-22-338b1	0	0	0				0	0	0	0	0	0				
164	WT-22-338b10	0	0	0				0	0	0	0	0	0				
489	WT-22-338b2	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
512	WT-22-338b3	0	0	0				0	0	0	0	0	0				
514	WT-22-338b4	0	0	0				0	0	0	0	0	0				
520	WT-22-338b5	0	0	0				0	0	0	0	0	0				
521	WT-22-338b6	0	0	0				0	0	0	0	0	0				
529	WT-22-338b7	0	0	0				0	0	0	0	0	0				
530	WT-22-338b8	0	0	0				0	0	0	0	0	0				
163	WT-22-338b9	0	0	0				0	0	0	0	0	0				
165	WT-22-341	0	0	0				0	0	0	0	0	0				
284	WT-22-343	0	0	0				0	0	0	0	0	0				
571	WT-22-343a	0	0	0				0	0	0	0	0	0				
572	WT-22-343b	0	0	0				0	0	0	0	0	0				
573	WT-22-343c	0	0	0				0	0	0	0	0	0				
574	WT-22-343d	0	0	0				0	0	0	0	0	0				
48	WT-22-345	0	0	0		Wet	Medium	100	0	0	0	0	0	u	O	x	
166	WT-22-345a	0	0	0		Very Moist	Medium	0	0	0	0	0	0				
342	WT-22-345b	0	0	0				0	0	0	0	0	0				
343	WT-22-345c	0	0	0				0	0	0	0	0	0				
344	WT-22-345d	0	0	0				0	0	0	0	0	0				
167	WT-22-347	0	0	0				0	0	0	0	0	0				
304	WT-22-347a	0	0	0				0	0	0	0	0	0				
49	WT-22-348	0	0	0		Very Wet	Rich	90	0	0	0	0	10		O	b	
168	WT-22-348a	0	0	0				0	0	0	0	0	0				
303	WT-22-348a2	0	0	0				0	0	0	0	0	0				
333	WT-22-349	0	0	0				0	0	0	0	0	0				
263	WT-22-349a	0	0	0				0	0	0	0	0	0				
169	WT-22-350	0	0	0				0	0	0	0	0	0				
337	WT-22-350a	0	0	0				0	0	0	0	0	0				
443	WT-22-351	0	0	0				0	0	0	0	0	0				
444	WT-22-351a	0	0	0				0	0	0	0	0	0				
431	WT-22-352	0	0	0				0	0	0	0	0	0				
433	WT-22-352a	0	0	0				0	0	0	0	0	0				
434	WT-22-352b	0	0	0				0	0	0	0	0	0				
435	WT-22-352c	0	0	0				0	0	0	0	0	0				
436	WT-22-352d	0	0	0				0	0	0	0	0	0				
437	WT-22-352e	0	0	0				0	0	0	0	0	0				
438	WT-22-352f	0	0	0				0	0	0	0	0	0				
440	WT-22-352g	0	0	0				0	0	0	0	0	0				
441	WT-22-352h	0	0	0				0	0	0	0	0	0				
442	WT-22-352i	0	0	0				0	0	0	0	0	0				
171	WT-22-353b	0	0	0			Medium	0	0	0	0	0	0				
170	WT-22-353c	0	0	0				0	0	0	0	0	0				
172	WT-22-354	0	0	0				0	0	0	0	0	0				
467	WT-22-354a	0	0	0				0	0	0	0	0	0				
50	WT-22-355	0	0	0		Very Moist	Rich	70	30	0	0	0	0	z	M	b	
351	WT-22-355av	0	0	0				0	0	0	0	0	0				
347	WT-22-356	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
349	WT-22-356a	0	0	0				0	0	0	0	0	0				
525	WT-22-357	0	0	0				0	0	0	0	0	0				
173	WT-22-358a	0	0	0				0	0	0	0	0	0				
505	WT-22-358a1	0	0	0				0	0	0	0	0	0				
506	WT-22-358a2	0	0	0				0	0	0	0	0	0				
507	WT-22-358a3	0	0	0				0	0	0	0	0	0				
504	WT-22-358b	0	0	0				0	0	0	0	0	0				
174	WT-22-358c	0	0	0		Wet	Rich	0	0	0	0	0	0				
175	WT-22-359	0	0	0				0	0	0	0	0	0				
587	WT-22-359a	0	0	0				0	0	0	0	0	0				
586	WT-22-359b	0	0	0				0	0	0	0	0	0				
591	WT-22-360	0	0	0				0	0	0	0	0	0				
176	WT-22-361b	0	0	0		Very Moist	Rich	0	0	0	0	0	0				
487	WT-22-362a	0	0	0				0	0	0	0	0	0				
177	WT-22-362b	0	0	0				0	0	0	0	0	0				
370	WT-22-362b1	0	0	0				0	0	0	0	0	0				
371	WT-22-362b2	0	0	0				0	0	0	0	0	0				
178	WT-22-363	0	0	0				0	0	0	0	0	0				
340	WT-22-363a	0	0	0				0	0	0	0	0	0				
179	WT-22-364	0	0	0				0	0	0	0	0	0				
341	WT-22-364v	0	0	0				0	0	0	0	0	0				
180	WT-22-365	0	0	0				0	0	0	0	0	0				
381	WT-22-365a	0	0	0				0	0	0	0	0	0				
51	WT-22-367	0	0	0		Wet	Medium	98	0	0	0	0	2	h	O	v	cz
348	WT-22-367a	0	0	0				0	0	0	0	0	0				
447	WT-22-371	0	0	0				0	0	0	0	0	0				
449	WT-22-371a	0	0	0				0	0	0	0	0	0				
52	WT-22-373	0	0	0		Wet	Very Rich	90	0	0	0	0	10		O	b	
368	WT-22-373a	0	0	0				0	0	0	0	0	0				
369	WT-22-373b	0	0	0				0	0	0	0	0	0				
181	WT-22-379	0	0	0				0	0	0	0	0	0				
391	WT-22-379a	0	0	0				0	0	0	0	0	0				
182	WT-22-380	0	0	0				0	0	0	0	0	0				
390	WT-22-380a	0	0	0				0	0	0	0	0	0				
183	WT-22-381	0	0	0				0	0	0	0	0	0				
387	WT-22-381a	0	0	0				0	0	0	0	0	0				
184	WT-22-382	0	0	0				0	0	0	0	0	0				
380	WT-22-382a	0	0	0				0	0	0	0	0	0				
185	WT-22-383	0	0	0				0	0	0	0	0	0				
531	WT-22-383a	0	0	0				0	0	0	0	0	0				
532	WT-22-383b	0	0	0				0	0	0	0	0	0				
53	WT-22-390a	110	0	0		Wet	Medium	100	0	0	0	0	0		O	b	
472	WT-22-390b	0	0	0				0	0	0	0	0	0				
524	WT-22-390b1	0	0	0				0	0	0	0	0	0				
54	WT-22-391	0	0	0		Very Wet	Medium	85	0	0	0	0	15		O	b	
291	WT-22-391a	0	0	0				0	0	0	0	0	0				
186	WT-22-392	0	0	0				0	0	0	0	0	0				
187	WT-22-392a	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
188	WT-22-392b	0	0	0				0	0	0	0	0	0				
302	WT-22-392c	0	0	0				0	0	0	0	0	0				
509	WT-22-393	0	0	0				0	0	0	0	0	0				
189	WT-22-394	0	0	0				0	0	0	0	0	0				
190	WT-22-395	0	0	0				0	0	0	0	0	0				
374	WT-22-395a	0	0	0				0	0	0	0	0	0				
593	WT-22-396	0	0	0				0	0	0	0	0	0				
191	WT-22-397	0	0	0				0	0	0	0	0	0		L		
192	WT-22-397a	0	0	0				0	0	0	0	0	0				
588	WT-22-397b	0	0	0				0	0	0	0	0	0				
589	WT-22-397c	0	0	0				0	0	0	0	0	0				
55	WT-22-398	0	0	0		Wet	Rich	100	0	0	0	0	0		O	b	
287	WT-22-398a	0	0	0				0	0	0	0	0	0				
56	WT-22-399	90	0	0		Very Wet	Very Rich	80	0	20	0	0	0		O	v	
57	WT-22-403	0	0	0		Very Moist	Rich	75	25	0	0	0	0	z	F	p	
193	WT-22-404	0	0	0				0	0	0	0	0	0				
335	WT-22-404a	0	0	0				0	0	0	0	0	0				
58	WT-22-405	0	0	0		Wet	Poor	99	0	0	0	0	1		O	b	
334	WT-22-405a	0	0	0				0	0	0	0	0	0				
194	WT-22-406	0	0	0				0	0	0	0	0	0				
195	WT-22-406a	0	0	0				0	0	0	0	0	0				
329	WT-22-406b	0	0	0				0	0	0	0	0	0				
330	WT-22-406c	0	0	0				0	0	0	0	0	0				
196	WT-22-407	0	0	0		Wet	Medium	0	0	0	0	0	0				
197	WT-22-409	0	0	0				0	0	0	0	0	0				
468	WT-22-409a	0	0	0				0	0	0	0	0	0				
469	WT-22-409b	0	0	0				0	0	0	0	0	0				
476	WT-22-410	0	0	0				0	0	0	0	0	0				
475	WT-22-411	0	0	0				0	0	0	0	0	0				
283	WT-22-413	0	0	0				0	0	0	0	0	0				
480	WT-22-414	0	0	0				0	0	0	0	0	0				
483	WT-22-414a	0	0	0				0	0	0	0	0	0				
484	WT-22-414b	0	0	0				0	0	0	0	0	0				
199	WT-22-416	0	0	0				0	0	0	0	0	0				
200	WT-22-416a	0	0	0				0	0	0	0	0	0				
324	WT-22-416b	0	0	0				0	0	0	0	0	0				
59	WT-22-417	0	0	0		Wet	Very Rich	85	5	0	0	0	10	z	F		
319	WT-22-417a	0	0	0				0	0	0	0	0	0				
60	WT-22-422	0	0	0		Very Wet	Very Rich	60	0	0	0	0	40		L		
61	WT-22-423	0	0	0		Very Wet	Medium	90	0	0	0	0	10		O	v	
288	WT-22-423a	0	0	0				0	0	0	0	0	0				
201	WT-22-424	0	0	0				0	0	0	0	0	0				
62	WT-22-424a	0	0	0		Very Wet	Very Rich	90	10	0	0	0	0	c	L		

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
315	WT-22-424b	0	0	0				0	0	0	0	0	0				
202	WT-22-425	0	0	0				0	0	0	0	0	0				
317	WT-22-425a	0	0	0				0	0	0	0	0	0				
311	WT-22-426	0	0	0				0	0	0	0	0	0				
286	WT-22-427	0	0	0				0	0	0	0	0	0				
203	WT-22-428	0	0	0				0	0	0	0	0	0				
566	WT-22-428a	0	0	0				0	0	0	0	0	0				
63	WT-22-429	75	0	10		Very Wet	Very Rich	85	0	0	0	0	15		O	v	
559	WT-22-430	0	0	0				0	0	0	0	0	0				
560	WT-22-430a	0	0	0				0	0	0	0	0	0				
561	WT-22-430b	0	0	0				0	0	0	0	0	0				
64	WT-22-431	0	0	0		Wet	Very Rich	80	15	0	0	0	5		F		
65	WT-22-436	0	0	0		Very Wet	Rich	20	0	0	0	0	80	sz	M	d	
204	WT-22-438	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
357	WT-22-439	0	0	0				0	0	0	0	0	0				
205	WT-22-440	0	0	0		Wet	Rich	0	0	0	0	0	0				
206	WT-22-441	0	0	0		Very Wet	Rich	0	0	0	0	0	0				
207	WT-22-442	0	0	0		Very Wet	Rich	0	0	0	0	0	0				
66	WT-22-443	0	0	0		Very Wet	Medium	95	0	0	0	0	5		O	b	
208	WT-22-444	0	0	0				0	0	0	0	0	0				
209	WT-22-446	0	0	0				0	0	0	0	0	0				
210	WT-22-447	0	0	0				0	0	0	0	0	0				
67	WT-22-449	0	0	0		Very Wet	Rich	15	0	0	0	0	85	z	M	d	
211	WT-22-450	0	0	0				0	0	0	0	0	0				
598	WT-22-450a	0	0	0				0	0	0	0	0	0				
212	WT-22-451	0	0	0				0	0	0	0	0	0				
596	WT-22-451a	0	0	0				0	0	0	0	0	0				
68	WT-22-453	0	0	0		Wet	Rich	80	15	0	0	0	5		M	v	
69	WT-22-455	0	0	0		Wet	Very Rich	75	15	0	0	0	10		F	j	
213	WT-22-456	0	0	0		Wet	Very Rich	0	0	0	0	0	0				
534	WT-22-456a	0	0	0				0	0	0	0	0	0				
557	WT-22-458	0	0	0				0	0	0	0	0	0				
495	WT-22-459	0	0	0				0	0	0	0	0	0				
70	WT-22-465	0	0	0		Very Moist	Rich	95	5	0	0	0	0	s	F		
318	WT-22-465a	0	0	0				0	0	0	0	0	0				
562	WT-22-465b	0	0	0				0	0	0	0	0	0				
563	WT-22-465c	0	0	0				0	0	0	0	0	0				
71	WT-22-467	0	0	0		Very Moist	Rich	75	20	0	0	0	5				z
413	WT-22-467a	0	0	0				0	0	0	0	0	0				
72	WT-22-479	0	0	0		Wet	Rich	93	5	0	0	0	2	z	O		
214	WT-22-479a	0	0	0				0	0	0	0	0	0				
73	WT-22-480	0	0	0		Very Wet	Poor	85	0	0	0	0	15		O	b	
376	WT-22-480a	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
74	WT-22-481	0	0	0		Very Wet	Poor	97	0	0	0	0	3		O	b	
215	WT-22-481a	0	0	0				0	0	0	0	0	0				
378	WT-22-481b	0	0	0				0	0	0	0	0	0				
379	WT-22-481c	0	0	0				0	0	0	0	0	0				
356	WT-22-482	0	0	0				0	0	0	0	0	0				
216	WT-22-494	0	0	0				0	0	0	0	0	0				
217	WT-22-495	0	0	0				0	0	0	0	0	0				
372	WT-22-495a	0	0	0				0	0	0	0	0	0				
218	WT-22-496	0	0	0				0	0	0	0	0	0				
373	WT-22-496a	0	0	0				0	0	0	0	0	0				
75	WT-22-497	0	0	0		Very Wet	Rich	20	0	0	0	0	80		O	b	
375	WT-22-497a	0	0	0				0	0	0	0	0	0				
219	WT-22-498	0	0	0				0	0	0	0	0	0				
220	WT-22-499	0	0	0				0	0	0	0	0	0				
221	WT-22-500	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
222	WT-22-501	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
223	WT-22-502	0	0	0				0	0	0	0	0	0				
224	WT-22-503	0	0	0				0	0	0	0	0	0				
358	WT-22-503a	0	0	0				0	0	0	0	0	0				
359	WT-22-503b	0	0	0				0	0	0	0	0	0				
360	WT-22-503c	0	0	0				0	0	0	0	0	0				
361	WT-22-503d	0	0	0				0	0	0	0	0	0				
76	WT-22-504	0	0	0		Very Wet	Poor	95	5	0	0	0	0	u	O	b	
225	WT-22-505	0	0	0				0	0	0	0	0	0				
226	WT-22-506	0	0	0				0	0	0	0	0	0				
595	WT-22-507	0	0	0				0	0	0	0	0	0				
227	WT-22-509	0	0	0		Wet	Very Rich	0	0	0	0	0	0				
77	WT-22-510a	0	0	0		Very Moist	Very Rich	70	25	0	0	0	5	z	M	b	
228	WT-22-510b	0	0	0				0	0	0	0	0	0				
533	WT-22-510c	0	0	0				0	0	0	0	0	0				
229	WT-22-511	0	0	0				0	0	0	0	0	0				
386	WT-22-511a	0	0	0				0	0	0	0	0	0				
230	WT-22-512	0	0	0				0	0	0	0	0	0				
383	WT-22-512a	0	0	0				0	0	0	0	0	0				
384	WT-22-512b	0	0	0				0	0	0	0	0	0				
385	WT-22-512c	0	0	0				0	0	0	0	0	0				
231	WT-22-513	0	0	0				0	0	0	0	0	0				
382	WT-22-513a	0	0	0				0	0	0	0	0	0				
232	WT-22-514	0	0	0				0	0	0	0	0	0				
377	WT-22-514a	0	0	0				0	0	0	0	0	0				
233	WT-22-515	0	0	0				0	0	0	0	0	0				
389	WT-22-515a	0	0	0				0	0	0	0	0	0				
494	WT-22-516	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
234	WT-22-517	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
78	WT-22-518	0	0	0		Very Wet	Medium	80	0	0	0	0	20	u	O	x	
79	WT-22-519	0	0	0		Very Wet	Medium	30	0	0	0	0	70	h	O	v	
496	WT-22-520	0	0	0				0	0	0	0	0	0				
235	WT-22-521	0	0	0		Very Wet		0	0	0	0	0	0				
236	WT-22-522	0	0	0		Very Wet	Medium	0	0	0	0	0	0				
237	WT-22-523	0	0	0				0	0	0	0	0	0				
238	WT-22-524	0	0	0		Wet	Medium	0	0	0	0	0	0				
564	WT-22-531	0	0	0				0	0	0	0	0	0				
313	WT-22-532	0	0	0				0	0	0	0	0	0				
239	WT-22-533	0	0	0				0	0	0	0	0	0				
567	WT-22-533a	0	0	0				0	0	0	0	0	0				
240	WT-22-534	0	0	0				0	0	0	0	0	0				
565	WT-22-534a	0	0	0				0	0	0	0	0	0				
80	WT-22-535	42	20	0		Wet	Medium	97	0	0	0	0	3		O	b	
241	WT-22-540	0	0	0				0	0	0	0	0	0				
558	WT-22-540a	0	0	0				0	0	0	0	0	0				
242	WT-22-556	0	0	0				0	0	0	0	0	0				
362	WT-22-556a	0	0	0				0	0	0	0	0	0				
363	WT-22-556b	0	0	0				0	0	0	0	0	0				
364	WT-22-556c	0	0	0				0	0	0	0	0	0				
365	WT-22-556d	0	0	0				0	0	0	0	0	0				
243	WT-22-557	0	0	0				0	0	0	0	0	0				
513	WT-22-557a	0	0	0				0	0	0	0	0	0				
244	WT-22-558	0	0	0				0	0	0	0	0	0				
511	WT-22-558a	0	0	0				0	0	0	0	0	0				
81	WT-22-559	0	0	0		Wet	Medium	90	7	0	0	0	3		M	v	
516	WT-22-560	0	0	0				0	0	0	0	0	0				
517	WT-22-560b	0	0	0				0	0	0	0	0	0				
245	WT-22-561	0	0	0				0	0	0	0	0	0				
515	WT-22-561a	0	0	0				0	0	0	0	0	0				
82	WT-22-569	0	0	0		Very Moist	Rich	75	20	0	0	0	5	sz	M	b	
418	WT-22-570	0	0	0				0	0	0	0	0	0				
83	WT-22-570a	0	0	0		Wet	Medium	95	5	0	0	0	0	u	O	v	
419	WT-22-571	0	0	0				0	0	0	0	0	0				
246	WT-22-572	0	0	0				0	0	0	0	0	0				
570	WT-22-583	0	0	0				0	0	0	0	0	0				
575	WT-22-584	0	0	0				0	0	0	0	0	0				
247	WT-22-589	0	0	0				0	0	0	0	0	0				
526	WT-22-591	0	0	0				0	0	0	0	0	0				
248	WT-22-592	0	0	0				0	0	0	0	0	0				
352	WT-22-592a	0	0	0				0	0	0	0	0	0				
249	WT-22-593	0	0	0				0	0	0	0	0	0				
353	WT-22-593a	0	0	0				0	0	0	0	0	0				
84	WT-22-594	0	0	0		Very Moist	Rich	20	15	0	0	0	5	z	M	j	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
250	WT-22-594a	0	0	0				0	0	0	0	0	0				
345	WT-22-594b	0	0	0				0	0	0	0	0	0				
346	WT-22-594c	0	0	0				0	0	0	0	0	0				
85	WT-22-595	0	0	0		Wet	Very Poor	99	0	0	0	0	1		O	x	
508	WT-22-612	0	0	0				0	0	0	0	0	0				
510	WT-22-613	0	0	0				0	0	0	0	0	0				
522	WT-22-616	0	0	0				0	0	0	0	0	0				
86	WT-22-618	35	0	7		Wet	Rich	85	10	0	0	0	5		O	b	
523	WT-22-618a	0	0	0				0	0	0	0	0	0				
87	WT-22-619	0	0	0		Wet	Rich	100	0	0	0	0	0		O	v	zc
88	WT-22-620	0	0	0		Wet	Medium	90	5	0	0	0	5		O	v	
253	WT-22-620a	0	0	0				0	0	0	0	0	0				
254	WT-22-621	0	0	0				0	0	0	0	0	0				
255	WT-22-621a	0	0	0				0	0	0	0	0	0				
301	WT-22-621b	0	0	0				0	0	0	0	0	0				
89	WT-22-621c	0	0	0		Wet	Very Rich	70	20	0	0	0	10		M	v	
90	WT-22-623	0	0	0		Wet	Rich	99	0	0	0	0	1		O	b	
256	WT-22-623a	0	0	0				0	0	0	0	0	0				
257	WT-22-623b	0	0	0				0	0	0	0	0	0				
91	WT-22-624	0	0	0		Wet	Poor	75	0	0	0	0	25	z	F	w	
258	WT-22-624a	0	0	0				0	0	0	0	0	0				
259	WT-22-626	0	0	0				0	0	0	0	0	0				
92	WT-22-627	0	0	0		Wet	Medium	92	5	0	0	0	3		M	v	
93	WT-22-629	0	0	0		Very Wet	Medium	15	0	0	0	0	85		M	v	
260	WT-22-630	0	0	0				0	0	0	0	0	0				
261	WT-22-631	0	0	0				0	0	0	0	0	0				
262	WT-22-632	0	0	0				0	0	0	0	0	0				
94	WT-22-633	0	0	0		Wet	Medium	85	10	0	0	0	5		M	w	
527	WT-22-634	0	0	0				0	0	0	0	0	0				
95	WT-22-635	0	0	0		Wet	Rich	90	5	0	0	0	5	sz	F		
96	WT-22-636	0	0	0		Wet	Rich	100	0	0	0	0	0		O	b	
332	WT-22-637	0	0	0				0	0	0	0	0	0				
97	WT-22-638	0	0	0		Wet	Medium	100	0	0	0	0	0		O	b	
331	WT-22-638a	0	0	0				0	0	0	0	0	0				
98	WT-22-639	0	0	0		Wet	Very Rich	98	0	0	0	0	2		O	b	
264	WT-22-639a	0	0	0				0	0	0	0	0	0				
327	WT-22-639b	0	0	0				0	0	0	0	0	0				
328	WT-22-639c	0	0	0				0	0	0	0	0	0				
326	WT-22-640	0	0	0				0	0	0	0	0	0				
265	WT-22-641	0	0	0				0	0	0	0	0	0				
339	WT-22-641a	0	0	0				0	0	0	0	0	0				
266	WT-22-642	0	0	0				0	0	0	0	0	0				
338	WT-22-642a	0	0	0				0	0	0	0	0	0				
267	WT-22-643	0	0	0				0	0	0	0	0	0				
325	WT-22-643a	0	0	0				0	0	0	0	0	0				
268	WT-22-644	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
320	WT-22-644a	0	0	0				0	0	0	0	0	0				
251	WT-22-645	0	0	0				0	0	0	0	0	0				
323	WT-22-645a	0	0	0				0	0	0	0	0	0				
269	WT-22-646	0	0	0				0	0	0	0	0	0				
270	WT-22-646a	0	0	0				0	0	0	0	0	0				
321	WT-22-646b	0	0	0				0	0	0	0	0	0				
322	WT-22-646c	0	0	0				0	0	0	0	0	0				
481	WT-22-647	0	0	0				0	0	0	0	0	0				
482	WT-22-647a	0	0	0				0	0	0	0	0	0				
485	WT-22-647b	0	0	0				0	0	0	0	0	0				
486	WT-22-647c	0	0	0				0	0	0	0	0	0				
455	WT-22-648	0	0	0				0	0	0	0	0	0				
478	WT-22-648a	0	0	0				0	0	0	0	0	0				
479	WT-22-649	0	0	0				0	0	0	0	0	0				
477	WT-22-650	0	0	0				0	0	0	0	0	0				
448	WT-22-651	0	0	0				0	0	0	0	0	0				
99	WT-22-652	0	0	0		Very Wet	Rich	100	0	0	0	0	0	h	O	x	
432	WT-22-652a	0	0	0				0	0	0	0	0	0				
439	WT-22-653	0	0	0				0	0	0	0	0	0				
271	WT-22-655	0	0	0				0	0	0	0	0	0				
100	WT-22-656	0	0	0		Moist	Very Rich	75	20	0	0	0	5	z	M	b	
452	WT-22-656a	0	0	0				0	0	0	0	0	0				
453	WT-22-656b	0	0	0				0	0	0	0	0	0				
454	WT-22-656c	0	0	0				0	0	0	0	0	0				
272	WT-22-657	0	0	0				0	0	0	0	0	0				
460	WT-22-657a	0	0	0				0	0	0	0	0	0				
101	WT-22-660	0	0	0		Very Wet	Medium	95	0	0	0	0	5		O	b	
273	WT-22-660a	0	0	0				0	0	0	0	0	0				
102	WT-22-661	0	0	0		Wet	Very Rich	100	0	0	0	0	0		F		
103	WT-22-662	0	0	0		Moist	Rich	90	0	0	0	0	10		F		
274	WT-22-662a	0	0	0				0	0	0	0	0	0				
592	WT-22-662b	0	0	0				0	0	0	0	0	0				
594	WT-22-662c	0	0	0				0	0	0	0	0	0				
285	WT-22-664	0	0	0				0	0	0	0	0	0				
275	WT-22-665	0	0	0				0	0	0	0	0	0				
312	WT-22-665a	0	0	0				0	0	0	0	0	0				
276	WT-22-666	0	0	0				0	0	0	0	0	0				
314	WT-22-666a	0	0	0				0	0	0	0	0	0				
316	WT-22-667	0	0	0				0	0	0	0	0	0				
104	WT-22-669	110	0	0		Wet	Medium	92	3	0	0	0	5		O	b	
277	WT-22-670	65	0	9		Wet	Rich	0	0	0	0	0	0				
278	WT-22-671	60	0	8		Wet	Rich	0	0	0	0	0	0				
105	WT-22-673	0	0	0		Very Wet	Medium	25	0	0	0	0	75		M	b	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	wa organ 1	wa miner 1	wa von pos	wa o soil	wa smr	wa snr	sub org ma	sub dec wo	sub bedroc	sub rocks	sub minera	sub water	surf textu	surf mat 1	surf exp 1	surf tex 1
279	WT-22-673a	0	0	0				0	0	0	0	0	0				
555	WT-22-674	0	0	0				0	0	0	0	0	0				
556	WT-22-674a	0	0	0				0	0	0	0	0	0				
450	WT-22-675	0	0	0				0	0	0	0	0	0				
451	WT-22-675a	0	0	0				0	0	0	0	0	0				
280	WT-22-676	0	0	0				0	0	0	0	0	0				
518	WT-22-676a	0	0	0				0	0	0	0	0	0				
519	WT-22-676b	0	0	0				0	0	0	0	0	0				
198	WT-22-679	0	0	0				0	0	0	0	0	0				
106	WT-22-687	0	0	0		Wet	Medium	100	0	0	0	0	0		O	b	
336	WT-22-687a	0	0	0				0	0	0	0	0	0				
367	WT-22-721	0	0	0				0	0	0	0	0	0				
633	WT-22-755	0	0	0				0	0	0	0	0	0				
281	WT-22-777	0	0	0				0	0	0	0	0	0				
629	WT-22-783	0	0	0				0	0	0	0	0	0				
758	WT-22-814	0	0	0				0	0	0	0	0	0				

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
393	CH100											0.00000000000			0	
395	CH101											0.00000000000			0	
396	CH102											0.00000000000			0	
397	CH103											0.00000000000			0	
398	CH104											0.00000000000			0	
1	Lake 15/16					Organic	M		v			27.00000000000	ME		0	L
2	MC01					Gleysol			p			10.00000000000			0	F
3	MC02	F				Organic	M		v			34.00000000000	ME		0	P
4	MC03					Organic	M		v			38.00000000000	ME		0	F
107	MC04											0.00000000000			0	F
5	MC05					Gleysol			i			13.00000000000	FSI		0	F
6	MC06					Organic	F		v			26.00000000000			0	P
7	MC07					Organic	F		v			31.00000000000	FI		0	P
8	MC08					Organic	M		v			24.00000000000	ME		0	P
108	MC09											0.00000000000			0	
109	MC10											0.00000000000			0	
802	MC100											0.00000000000			0	
801	MC101											0.00000000000			0	
800	MC102											0.00000000000			0	
797	MC103											0.00000000000			0	
783	MC104											0.00000000000			0	
781	MC105											0.00000000000			0	
779	MC106											0.00000000000			0	
784	MC107											0.00000000000			0	
782	MC108											0.00000000000			0	
792	MC109											0.00000000000			0	
9	MC11					Organic	M		v			20.00000000000	ME		0	P
778	MC110											0.00000000000			0	
780	MC111											0.00000000000			0	
787	MC111a											0.00000000000			0	
790	MC113											0.00000000000			0	
785	MC114											0.00000000000			0	
791	MC115											0.00000000000			0	
796	MC116											0.00000000000			0	
788	MC117											0.00000000000			0	
794	MC118											0.00000000000			0	
786	MC119											0.00000000000			0	
10	MC12					Gleysol			w			0.00000000000			0	F
789	MC120											0.00000000000			0	
795	MC121											0.00000000000			0	
799	MC122											0.00000000000			0	
295	MC123											0.00000000000			0	
296	MC124											0.00000000000			0	
798	MC125											0.00000000000			0	
110	MC13											0.00000000000			0	
11	MC14					Gleysol			p			20.00000000000	SIS		0	F
111	MC15											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
12	MC16					Organic	M		v			24.00000000000	HU		0	P
112	MC17											0.00000000000			0	
113	MC18											0.00000000000			0	
114	MC19											0.00000000000			0	
13	MC20					Organic	M		v			34.00000000000	HU		0	P
14	MC21					Organic	M		v	MR		30.00000000000	ME		0	P
15	MC22					Organic	M		v			31.00000000000	HU		0	P
16	MC23					Organic	M		v			43.00000000000	ME		0	P
17	MC24					Gleysol			v			25.00000000000	FLS		0	F
115	MC25											0.00000000000			0	
18	MC26					Organic	M		v			32.00000000000	HU		0	P
19	MC27					Organic	M		i			0.00000000000			0	F
20	MC28					Organic	M		v			34.00000000000	HU		0	P
116	MC29											0.00000000000			0	F
21	MC30					Gleysol			v			21.00000000000	FL		0	F
22	MC31					Organic	M		v			36.00000000000	ME		0	P
117	MC32											0.00000000000			0	
23	MC33					Organic	M		v			0.00000000000			0	P
24	MC34					Gleysol			v			32.00000000000	FL		0	P
289	WT100											0.00000000000			0	
290	WT101											0.00000000000			0	
300	WT102											0.00000000000			0	
305	WT103											0.00000000000			0	
350	WT104											0.00000000000			0	
354	WT105											0.00000000000			0	
355	WT106											0.00000000000			0	
392	WT108											0.00000000000			0	
417	WT109											0.00000000000			0	
445	WT110											0.00000000000			0	
446	WT111											0.00000000000			0	
458	WT112											0.00000000000			0	
459	WT113											0.00000000000			0	
461	WT114											0.00000000000			0	
462	WT115											0.00000000000			0	
463	WT116											0.00000000000			0	
465	WT117											0.00000000000			0	
466	WT118											0.00000000000			0	
470	WT119											0.00000000000			0	
473	WT120											0.00000000000			0	
474	WT121											0.00000000000			0	
488	WT122											0.00000000000			0	
493	WT123											0.00000000000			0	
497	WT124											0.00000000000			0	
498	WT125											0.00000000000			0	
499	WT126											0.00000000000			0	
528	WT127											0.00000000000			0	
545	WT128											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
546	WT129											0.00000000000			0	
549	WT130											0.00000000000			0	
551	WT131											0.00000000000			0	
568	WT132											0.00000000000			0	
569	WT133											0.00000000000			0	
578	WT134											0.00000000000			0	
579	WT135											0.00000000000			0	
580	WT136											0.00000000000			0	
597	WT137											0.00000000000			0	
599	WT138											0.00000000000			0	
603	WT139											0.00000000000			0	
404	WT140											0.00000000000			0	
405	WT141											0.00000000000			0	
617	WT142											0.00000000000			0	
621	WT143											0.00000000000			0	
628	WT144											0.00000000000			0	
649	WT147											0.00000000000			0	
650	WT148											0.00000000000			0	
678	WT149											0.00000000000			0	
774	WT150											0.00000000000			0	
776	WT151											0.00000000000			0	
777	WT152											0.00000000000			0	
752	WT153											0.00000000000			0	
754	WT154											0.00000000000			0	
756	WT155											0.00000000000			0	
757	WT156											0.00000000000			0	
766	WT159											0.00000000000			0	
773	WT160											0.00000000000			0	
293	WT161											0.00000000000			0	
662	WT162											0.00000000000			0	
669	WT163											0.00000000000			0	
721	WT164											0.00000000000			0	
722	WT165											0.00000000000			0	
727	WT166											0.00000000000			0	
729	WT167											0.00000000000			0	
730	WT168											0.00000000000			0	
732	WT169											0.00000000000			0	
735	WT170											0.00000000000			0	
737	WT171											0.00000000000			0	
741	WT172											0.00000000000			0	
611	WT-22-001a											0.00000000000			0	
25	WT-22-003					Gleysol	HG		v	YL		100.00000000000	FC	W	100	F
426	WT-22-003a											0.00000000000			0	
428	WT-22-003b											0.00000000000			0	
429	WT-22-003c											0.00000000000			0	
430	WT-22-003d											0.00000000000			0	
408	WT-22-004											0.00000000000			0	
420	WT-22-004a											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
421	WT-22-008											0.00000000000			0	
422	WT-22-008a											0.00000000000			0	
423	WT-22-008b											0.00000000000			0	
424	WT-22-008c											0.00000000000			0	
425	WT-22-008d											0.00000000000			0	
427	WT-22-008e											0.00000000000			0	
26	WT-22-011					Gleysol			v			43.00000000000	FL		0	F
119	WT-22-012a											0.00000000000			0	
400	WT-22-012b											0.00000000000			0	
401	WT-22-012c											0.00000000000			0	
613	WT-22-014											0.00000000000			0	
614	WT-22-014a											0.00000000000			0	
27	WT-22-015					Gleysol	G		p			12.00000000000	CL		0	F
399	WT-22-015a											0.00000000000			0	
402	WT-22-015b											0.00000000000			0	
403	WT-22-015c											0.00000000000			0	
406	WT-22-015d											0.00000000000			0	
407	WT-22-015e											0.00000000000			0	
612	WT-22-016											0.00000000000			0	
409	WT-22-017											0.00000000000			0	
411	WT-22-022											0.00000000000			0	
28	WT-22-023					Organic	F		v			12.00000000000	ME	P	31	P
618	WT-22-023a											0.00000000000			0	
623	WT-22-025											0.00000000000			0	
622	WT-22-026											0.00000000000			0	
29	WT-22-027					Gleysol			v			12.00000000000	FSI	P	40	P
624	WT-22-028											0.00000000000			0	
625	WT-22-028a											0.00000000000			0	
626	WT-22-028b											0.00000000000			0	
627	WT-22-028c											0.00000000000			0	
619	WT-22-030											0.00000000000			0	
620	WT-22-030a											0.00000000000			0	
120	WT-22-031											0.00000000000			0	
638	WT-22-031a											0.00000000000			0	
121	WT-22-033											0.00000000000			0	
630	WT-22-033a											0.00000000000			0	
632	WT-22-034											0.00000000000			0	
122	WT-22-036											0.00000000000			0	
123	WT-22-039											0.00000000000			0	
124	WT-22-042											0.00000000000			0	
635	WT-22-043											0.00000000000			0	
412	WT-22-044											0.00000000000			0	
292	WT-22-045											0.00000000000			0	
30	WT-22-046	R		E		Regosol	R	CU	p			0.00000000000		N	0	F
676	WT-22-046a											0.00000000000			0	
677	WT-22-046b											0.00000000000			0	
674	WT-22-047											0.00000000000			0	
673	WT-22-048											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
704	WT-22-049											0.00000000000			0	
637	WT-22-052											0.00000000000			0	
126	WT-22-054											0.00000000000			0	
671	WT-22-054a											0.00000000000			0	
681	WT-22-054b											0.00000000000			0	
31	WT-22-055					Organic	F		p			0.00000000000			0	P
679	WT-22-055a											0.00000000000			0	
680	WT-22-055b											0.00000000000			0	
127	WT-22-056c											0.00000000000			0	
128	WT-22-057											0.00000000000			0	
684	WT-22-057a											0.00000000000			0	
686	WT-22-059											0.00000000000			0	
775	WT-22-061											0.00000000000			0	
129	WT-22-062								i			0.00000000000			0	
695	WT-22-062a											0.00000000000			0	
696	WT-22-062b											0.00000000000			0	
656	WT-22-063											0.00000000000			0	
654	WT-22-064											0.00000000000			0	
639	WT-22-066											0.00000000000			0	
644	WT-22-066a											0.00000000000			0	
655	WT-22-067											0.00000000000			0	
32	WT-22-069					Gleysol	HG		p			45.00000000000	HU	W	0	F
643	WT-22-069a											0.00000000000			0	
641	WT-22-070											0.00000000000			0	
33	WT-22-071					Organic	F		v			31.00000000000	FI	K	100	P
772	WT-22-073											0.00000000000			0	
771	WT-22-074											0.00000000000			0	
770	WT-22-075											0.00000000000			0	
769	WT-22-076											0.00000000000			0	
767	WT-22-078											0.00000000000			0	
768	WT-22-079											0.00000000000			0	
763	WT-22-083											0.00000000000			0	
764	WT-22-084											0.00000000000			0	
761	WT-22-087											0.00000000000			0	
755	WT-22-089											0.00000000000			0	
753	WT-22-091											0.00000000000			0	
657	WT-22-094											0.00000000000			0	
658	WT-22-094a											0.00000000000			0	
664	WT-22-096											0.00000000000			0	
663	WT-22-097											0.00000000000			0	
282	WT-22-099											0.00000000000			0	
661	WT-22-100											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
34	WT-22-101					Gleysol			p			20.00000000000	FL	W	30	F
750	WT-22-102											0.00000000000			0	
748	WT-22-105											0.00000000000			0	
667	WT-22-106											0.00000000000			0	
665	WT-22-107											0.00000000000			0	
666	WT-22-107a											0.00000000000			0	
668	WT-22-108											0.00000000000			0	
745	WT-22-109											0.00000000000			0	
742	WT-22-110											0.00000000000			0	
740	WT-22-114											0.00000000000			0	
739	WT-22-115											0.00000000000			0	
738	WT-22-116											0.00000000000			0	
736	WT-22-118											0.00000000000			0	
689	WT-22-119											0.00000000000			0	
690	WT-22-119a											0.00000000000			0	
130	WT-22-123											0.00000000000			0	
294	WT-22-125											0.00000000000			0	
131	WT-22-126	M										0.00000000000			0	
733	WT-22-128											0.00000000000			0	
731	WT-22-129											0.00000000000			0	
726	WT-22-130											0.00000000000			0	
728	WT-22-130a											0.00000000000			0	
724	WT-22-132											0.00000000000			0	
725	WT-22-132a											0.00000000000			0	
705	WT-22-137											0.00000000000			0	
132	WT-22-138											0.00000000000			0	
707	WT-22-139											0.00000000000			0	
708	WT-22-142											0.00000000000			0	
718	WT-22-143											0.00000000000			0	
716	WT-22-144											0.00000000000			0	
717	WT-22-145											0.00000000000			0	
710	WT-22-146											0.00000000000			0	
35	WT-22-148					Gleysol	HG		p			28.00000000000	FSI		0	P
651	WT-22-151											0.00000000000			0	
682	WT-22-152											0.00000000000			0	
133	WT-22-153											0.00000000000		N	0	
751	WT-22-154											0.00000000000			0	
648	WT-22-156											0.00000000000			0	
634	WT-22-157											0.00000000000			0	
747	WT-22-160											0.00000000000			0	
134	WT-22-161											0.00000000000			0	
36	WT-22-163					Gleysol	G		i			29.00000000000	FLS		0	P
135	WT-22-164											0.00000000000			0	
734	WT-22-165											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
687	WT-22-166											0.00000000000			0	
746	WT-22-168											0.00000000000			0	
136	WT-22-170											0.00000000000			0	
685	WT-22-171											0.00000000000			0	
137	WT-22-173											0.00000000000			0	
155	WT-22-173a											0.00000000000			0	
703	WT-22-174											0.00000000000			0	
410	WT-22-179											0.00000000000			0	
636	WT-22-180											0.00000000000			0	
138	WT-22-184a											0.00000000000			0	
693	WT-22-185											0.00000000000			0	
694	WT-22-186											0.00000000000			0	
653	WT-22-188											0.00000000000			0	
609	WT-22-189											0.00000000000			0	
139	WT-22-190					Organic	H	HY	p			23.00000000000	HU		0	P
37	WT-22-191					Organic	H	HY	p			0.00000000000			0	P
547	WT-22-191a											0.00000000000			0	
548	WT-22-191b											0.00000000000			0	
550	WT-22-191c											0.00000000000			0	
539	WT-22-192											0.00000000000			0	
544	WT-22-192a											0.00000000000			0	
600	WT-22-193											0.00000000000			0	
38	WT-22-194					Brunisol			w	D		50.00000000000	S	N	0	F
307	WT-22-194a											0.00000000000			0	
308	WT-22-194b											0.00000000000			0	
140	WT-22-195											0.00000000000			0	
141	WT-22-196											0.00000000000			0	
607	WT-22-199											0.00000000000			0	
142	WT-22-201											0.00000000000			0	
39	WT-22-202					Gleysol	HG		p			24.00000000000	FL	W	30	F
414	WT-22-202a											0.00000000000			0	
415	WT-22-202b											0.00000000000			0	
416	WT-22-202c											0.00000000000			0	
576	WT-22-202d											0.00000000000			0	
577	WT-22-202e											0.00000000000			0	
40	WT-22-204					Organic	M	HY	v			32.00000000000	ME	W	0	P
538	WT-22-204a											0.00000000000			0	
540	WT-22-205											0.00000000000			0	
541	WT-22-205a											0.00000000000			0	
537	WT-22-206											0.00000000000			0	
536	WT-22-207											0.00000000000			0	
41	WT-22-209					Organic	M		v			36.00000000000	ME		0	P
581	WT-22-212											0.00000000000			0	
582	WT-22-213											0.00000000000			0	
583	WT-22-213a											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
143	WT-22-215											0.00000000000			0	
309	WT-22-219											0.00000000000			0	
252	WT-22-219a											0.00000000000			0	
42	WT-22-220			M		Regosol	R		w	RD		50.00000000000	S	W	65	F
310	WT-22-220a											0.00000000000			0	
601	WT-22-223											0.00000000000			0	
602	WT-22-223a											0.00000000000			0	
605	WT-22-223b											0.00000000000			0	
606	WT-22-223c											0.00000000000			0	
608	WT-22-223d											0.00000000000			0	
604	WT-22-224											0.00000000000			0	
144	WT-22-226											0.00000000000			0	
145	WT-22-227											0.00000000000			0	
43	WT-22-227a			M		Brunisol			i	D		35.00000000000	S	N	0	F
306	WT-22-227b											0.00000000000			0	
535	WT-22-227c											0.00000000000			0	
554	WT-22-228											0.00000000000			0	
552	WT-22-229											0.00000000000			0	
553	WT-22-229a											0.00000000000			0	
543	WT-22-231											0.00000000000			0	
610	WT-22-232											0.00000000000			0	
44	WT-22-236		p			Gleysol	G		w	R		20.00000000000	SIS	W	25	F
615	WT-22-238											0.00000000000			0	
616	WT-22-239											0.00000000000			0	
631	WT-22-243											0.00000000000			0	
146	WT-22-244											0.00000000000			0	
147	WT-22-246											0.00000000000			0	
125	WT-22-247											0.00000000000			0	
148	WT-22-249											0.00000000000			0	
149	WT-22-250											0.00000000000			0	
683	WT-22-250a											0.00000000000			0	
150	WT-22-252											0.00000000000			0	
697	WT-22-252a											0.00000000000			0	
645	WT-22-255											0.00000000000			0	
646	WT-22-255a											0.00000000000			0	
647	WT-22-256											0.00000000000			0	
642	WT-22-257a											0.00000000000			0	
765	WT-22-259											0.00000000000			0	
762	WT-22-263											0.00000000000			0	
151	WT-22-268											0.00000000000			0	
659	WT-22-269											0.00000000000			0	
759	WT-22-273											0.00000000000			0	
760	WT-22-273a											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
660	WT-22-279											0.00000000000			0	
749	WT-22-283											0.00000000000			0	
152	WT-22-284											0.00000000000			0	
153	WT-22-285											0.00000000000			0	
744	WT-22-286											0.00000000000			0	
743	WT-22-287											0.00000000000			0	
670	WT-22-291											0.00000000000			0	
698	WT-22-294											0.00000000000			0	
701	WT-22-295											0.00000000000			0	
700	WT-22-296											0.00000000000			0	
154	WT-22-298											0.00000000000			0	
702	WT-22-298a											0.00000000000			0	
723	WT-22-307											0.00000000000			0	
720	WT-22-309											0.00000000000			0	
45	WT-22-311					Gleysol	G		i			24.00000000000	FLS		0	F
706	WT-22-312											0.00000000000			0	
156	WT-22-313											0.00000000000			0	
719	WT-22-315											0.00000000000			0	
712	WT-22-316											0.00000000000			0	
715	WT-22-317											0.00000000000			0	
713	WT-22-318											0.00000000000			0	
714	WT-22-319											0.00000000000			0	
711	WT-22-320											0.00000000000			0	
709	WT-22-321											0.00000000000			0	
157	WT-22-323											0.00000000000			0	
584	WT-22-325											0.00000000000			0	
585	WT-22-326											0.00000000000			0	
158	WT-22-328											0.00000000000			0	
159	WT-22-329											0.00000000000			0	
366	WT-22-329a											0.00000000000			0	
471	WT-22-330											0.00000000000			0	
46	WT-22-332					Organic	F		v	YD		53.00000000000		W	53	P
160	WT-22-332a											0.00000000000			0	
388	WT-22-332b											0.00000000000			0	
47	WT-22-333					Gleysol	HG		p			35.00000000000		P	35	P
500	WT-22-334											0.00000000000			0	
501	WT-22-334a											0.00000000000			0	
502	WT-22-334b											0.00000000000			0	
161	WT-22-336											0.00000000000			0	
491	WT-22-336a											0.00000000000			0	
492	WT-22-336b											0.00000000000			0	
490	WT-22-338a											0.00000000000			0	
118	WT-22-338b											0.00000000000			0	
162	WT-22-338b1											0.00000000000			0	
164	WT-22-338b10											0.00000000000			0	
489	WT-22-338b2											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
512	WT-22-338b3											0.00000000000			0	
514	WT-22-338b4											0.00000000000			0	
520	WT-22-338b5											0.00000000000			0	
521	WT-22-338b6											0.00000000000			0	
529	WT-22-338b7											0.00000000000			0	
530	WT-22-338b8											0.00000000000			0	
163	WT-22-338b9											0.00000000000			0	
165	WT-22-341											0.00000000000			0	
284	WT-22-343											0.00000000000			0	
571	WT-22-343a											0.00000000000			0	
572	WT-22-343b											0.00000000000			0	
573	WT-22-343c											0.00000000000			0	
574	WT-22-343d											0.00000000000			0	
48	WT-22-345	M	b			Gleysol	HG		v			27.00000000000	ME		0	P
166	WT-22-345a											0.00000000000			0	P
342	WT-22-345b											0.00000000000			0	
343	WT-22-345c											0.00000000000			0	
344	WT-22-345d											0.00000000000			0	
167	WT-22-347											0.00000000000			0	
304	WT-22-347a											0.00000000000			0	
49	WT-22-348					Organic	M		v	YD		55.00000000000			0	P
168	WT-22-348a											0.00000000000			0	
303	WT-22-348a2											0.00000000000			0	
333	WT-22-349											0.00000000000			0	
263	WT-22-349a											0.00000000000			0	
169	WT-22-350											0.00000000000			0	
337	WT-22-350a											0.00000000000			0	
443	WT-22-351											0.00000000000			0	
444	WT-22-351a											0.00000000000			0	
431	WT-22-352											0.00000000000			0	
433	WT-22-352a											0.00000000000			0	
434	WT-22-352b											0.00000000000			0	
435	WT-22-352c											0.00000000000			0	
436	WT-22-352d											0.00000000000			0	
437	WT-22-352e											0.00000000000			0	
438	WT-22-352f											0.00000000000			0	
440	WT-22-352g											0.00000000000			0	
441	WT-22-352h											0.00000000000			0	
442	WT-22-352i											0.00000000000			0	
171	WT-22-353b											0.00000000000			0	
170	WT-22-353c											0.00000000000			0	
172	WT-22-354											0.00000000000			0	
467	WT-22-354a											0.00000000000			0	
50	WT-22-355					Gleysol	HG		p			24.00000000000	FL		0	P
351	WT-22-355av											0.00000000000			0	
347	WT-22-356											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
349	WT-22-356a											0.00000000000			0	
525	WT-22-357											0.00000000000			0	
173	WT-22-358a											0.00000000000			0	
505	WT-22-358a1											0.00000000000			0	
506	WT-22-358a2											0.00000000000			0	
507	WT-22-358a3											0.00000000000			0	
504	WT-22-358b											0.00000000000			0	
174	WT-22-358c											0.00000000000			0	
175	WT-22-359											0.00000000000			0	
587	WT-22-359a											0.00000000000			0	
586	WT-22-359b											0.00000000000			0	
591	WT-22-360											0.00000000000			0	
176	WT-22-361b											0.00000000000			0	
487	WT-22-362a											0.00000000000			0	
177	WT-22-362b											0.00000000000			0	
370	WT-22-362b1											0.00000000000			0	
371	WT-22-362b2											0.00000000000			0	
178	WT-22-363											0.00000000000			0	
340	WT-22-363a											0.00000000000			0	
179	WT-22-364											0.00000000000			0	
341	WT-22-364v											0.00000000000			0	
180	WT-22-365											0.00000000000			0	
381	WT-22-365a											0.00000000000			0	
51	WT-22-367	M	b			Organic	H		v			32.00000000000	HU		0	P
348	WT-22-367a											0.00000000000			0	
447	WT-22-371											0.00000000000			0	
449	WT-22-371a											0.00000000000			0	
52	WT-22-373					Organic	H		v	YD		50.00000000000		W	50	P
368	WT-22-373a											0.00000000000			0	
369	WT-22-373b											0.00000000000			0	
181	WT-22-379											0.00000000000			0	
391	WT-22-379a											0.00000000000			0	
182	WT-22-380											0.00000000000			0	
390	WT-22-380a											0.00000000000			0	
183	WT-22-381											0.00000000000			0	
387	WT-22-381a											0.00000000000			0	
184	WT-22-382											0.00000000000			0	
380	WT-22-382a											0.00000000000			0	
185	WT-22-383											0.00000000000			0	
531	WT-22-383a											0.00000000000			0	
532	WT-22-383b											0.00000000000			0	
53	WT-22-390a					Organic	F		v	YD		45.00000000000		L	110	P
472	WT-22-390b											0.00000000000			0	
524	WT-22-390b1											0.00000000000			0	
54	WT-22-391					Organic	F		v	YD		55.00000000000		W	60	P
291	WT-22-391a											0.00000000000			0	
186	WT-22-392											0.00000000000			0	
187	WT-22-392a											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
188	WT-22-392b											0.00000000000			0	
302	WT-22-392c											0.00000000000			0	
509	WT-22-393											0.00000000000			0	
189	WT-22-394											0.00000000000			0	
190	WT-22-395											0.00000000000			0	
374	WT-22-395a											0.00000000000			0	
593	WT-22-396											0.00000000000			0	
191	WT-22-397					Gleysol						0.00000000000			0	
192	WT-22-397a											0.00000000000			0	
588	WT-22-397b											0.00000000000			0	
589	WT-22-397c											0.00000000000			0	
55	WT-22-398					Organic	H		v	YD		49.00000000000		W	49	P
287	WT-22-398a											0.00000000000			0	
56	WT-22-399					Organic	H		v			0.00000000000		N	0	P
57	WT-22-403					Gleysol	HG		p			26.00000000000	FL		0	F
193	WT-22-404											0.00000000000			0	
335	WT-22-404a											0.00000000000			0	
58	WT-22-405					Organic	F		p	YD		114.00000000000		N	114	P
334	WT-22-405a											0.00000000000			0	
194	WT-22-406											0.00000000000			0	
195	WT-22-406a											0.00000000000			0	
329	WT-22-406b											0.00000000000			0	
330	WT-22-406c											0.00000000000			0	
196	WT-22-407											0.00000000000			0	
197	WT-22-409											0.00000000000			0	
468	WT-22-409a											0.00000000000			0	
469	WT-22-409b											0.00000000000			0	
476	WT-22-410											0.00000000000			0	
475	WT-22-411											0.00000000000			0	
283	WT-22-413											0.00000000000			0	
480	WT-22-414											0.00000000000			0	
483	WT-22-414a											0.00000000000			0	
484	WT-22-414b											0.00000000000			0	
199	WT-22-416											0.00000000000			0	
200	WT-22-416a											0.00000000000			0	
324	WT-22-416b											0.00000000000			0	
59	WT-22-417			M		Gleysol	HG		p	YL		33.00000000000	FSI	W	46	F
319	WT-22-417a											0.00000000000			0	
60	WT-22-422					Gleysol	HG		v	YL		44.00000000000	FC	W	0	L
61	WT-22-423					Organic	M		v	YD		20.00000000000		L	20	P
288	WT-22-423a											0.00000000000			0	
201	WT-22-424											0.00000000000			0	
62	WT-22-424a					Gleysol			v	YD		25.00000000000		P	41	L

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
315	WT-22-424b											0.00000000000			0	
202	WT-22-425											0.00000000000			0	
317	WT-22-425a											0.00000000000			0	
311	WT-22-426											0.00000000000			0	
286	WT-22-427											0.00000000000			0	
203	WT-22-428											0.00000000000			0	
566	WT-22-428a											0.00000000000			0	
63	WT-22-429					Organic	H		v			75.00000000000		N	0	P
559	WT-22-430											0.00000000000			0	
560	WT-22-430a											0.00000000000			0	
561	WT-22-430b											0.00000000000			0	
64	WT-22-431					Gleysol	HG		i	MD		50.00000000000		P	50	F
65	WT-22-436					Gleysol	HG		v			0.00000000000		W	0	P
204	WT-22-438											0.00000000000			0	
357	WT-22-439											0.00000000000			0	
205	WT-22-440											0.00000000000			0	
206	WT-22-441											0.00000000000			0	
207	WT-22-442											0.00000000000			0	
66	WT-22-443					Organic	H		v	YD		40.00000000000		W	50	P
208	WT-22-444											0.00000000000			0	
209	WT-22-446											0.00000000000			0	
210	WT-22-447											0.00000000000			0	
67	WT-22-449					Regosol			v			0.00000000000		W	0	P
211	WT-22-450											0.00000000000			0	
598	WT-22-450a											0.00000000000			0	
212	WT-22-451											0.00000000000			0	
596	WT-22-451a											0.00000000000			0	
68	WT-22-453					Gleysol	G		p	YD		35.00000000000		W	35	P
69	WT-22-455			M		Gleysol	G		p	YD		55.00000000000			0	F
213	WT-22-456											0.00000000000			0	
534	WT-22-456a											0.00000000000			0	
557	WT-22-458											0.00000000000			0	
495	WT-22-459											0.00000000000			0	
70	WT-22-465			M		Brunisol			w	R		45.00000000000	S	W	50	F
318	WT-22-465a											0.00000000000			0	
562	WT-22-465b											0.00000000000			0	
563	WT-22-465c											0.00000000000			0	
71	WT-22-467	F	p			Gleysol	HG		i			0.00000000000			0	F
413	WT-22-467a											0.00000000000			0	
72	WT-22-479					Organic	H		i	RD		26.00000000000		L	26	P
214	WT-22-479a											0.00000000000			0	
73	WT-22-480					Organic	F		v	YD		41.00000000000		W	41	P
376	WT-22-480a											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
74	WT-22-481					Organic	F		v	YD		40.00000000000		W	40	P
215	WT-22-481a											0.00000000000			0	
378	WT-22-481b											0.00000000000			0	
379	WT-22-481c											0.00000000000			0	
356	WT-22-482											0.00000000000			0	
216	WT-22-494											0.00000000000			0	
217	WT-22-495											0.00000000000			0	
372	WT-22-495a											0.00000000000			0	
218	WT-22-496											0.00000000000			0	
373	WT-22-496a											0.00000000000			0	
75	WT-22-497					Organic	H		v	YD		75.00000000000		W	75	P
375	WT-22-497a											0.00000000000			0	
219	WT-22-498											0.00000000000			0	
220	WT-22-499											0.00000000000			0	
221	WT-22-500											0.00000000000			0	
222	WT-22-501											0.00000000000			0	
223	WT-22-502											0.00000000000			0	
224	WT-22-503											0.00000000000			0	
358	WT-22-503a											0.00000000000			0	
359	WT-22-503b											0.00000000000			0	
360	WT-22-503c											0.00000000000			0	
361	WT-22-503d											0.00000000000			0	
76	WT-22-504	F	p			Organic	M		v			29.00000000000	HU		0	F
225	WT-22-505											0.00000000000			0	
226	WT-22-506											0.00000000000			0	
595	WT-22-507											0.00000000000			0	
227	WT-22-509											0.00000000000			0	
77	WT-22-510a					Gleysol			p			0.00000000000			0	F
228	WT-22-510b											0.00000000000			0	
533	WT-22-510c											0.00000000000			0	
229	WT-22-511											0.00000000000			0	
386	WT-22-511a											0.00000000000			0	
230	WT-22-512											0.00000000000			0	
383	WT-22-512a											0.00000000000			0	
384	WT-22-512b											0.00000000000			0	
385	WT-22-512c											0.00000000000			0	
231	WT-22-513											0.00000000000			0	
382	WT-22-513a											0.00000000000			0	
232	WT-22-514											0.00000000000			0	
377	WT-22-514a											0.00000000000			0	
233	WT-22-515											0.00000000000			0	
389	WT-22-515a											0.00000000000			0	
494	WT-22-516											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
234	WT-22-517											0.00000000000			0	
78	WT-22-518	M	d			Organic	M		v			0.00000000000		K	65	P
79	WT-22-519					Organic	H		v			25.00000000000	HU	W	0	P
496	WT-22-520											0.00000000000			0	
235	WT-22-521											0.00000000000			0	
236	WT-22-522											0.00000000000			0	
237	WT-22-523											0.00000000000			0	
238	WT-22-524											0.00000000000			0	
564	WT-22-531											0.00000000000			0	
313	WT-22-532											0.00000000000			0	
239	WT-22-533											0.00000000000			0	
567	WT-22-533a											0.00000000000			0	
240	WT-22-534											0.00000000000			0	
565	WT-22-534a											0.00000000000			0	
80	WT-22-535	L				Organic	M		p	YR		42.00000000000		P	42	P
241	WT-22-540											0.00000000000			0	
558	WT-22-540a											0.00000000000			0	
242	WT-22-556											0.00000000000			0	
362	WT-22-556a											0.00000000000			0	
363	WT-22-556b											0.00000000000			0	
364	WT-22-556c											0.00000000000			0	
365	WT-22-556d											0.00000000000			0	
243	WT-22-557											0.00000000000			0	
513	WT-22-557a											0.00000000000			0	
244	WT-22-558											0.00000000000			0	
511	WT-22-558a											0.00000000000			0	
81	WT-22-559					Gleysol	HG		p	RD		20.00000000000		L	20	P
516	WT-22-560											0.00000000000			0	
517	WT-22-560b											0.00000000000			0	
245	WT-22-561											0.00000000000			0	
515	WT-22-561a											0.00000000000			0	
82	WT-22-569					Gleysol			p			24.00000000000	FLS		0	P
418	WT-22-570											0.00000000000			0	
83	WT-22-570a					Organic	M		v			23.00000000000	ME		0	P
419	WT-22-571											0.00000000000			0	
246	WT-22-572											0.00000000000			0	
570	WT-22-583											0.00000000000			0	
575	WT-22-584											0.00000000000			0	
247	WT-22-589											0.00000000000			0	
526	WT-22-591											0.00000000000			0	
248	WT-22-592											0.00000000000			0	
352	WT-22-592a											0.00000000000			0	
249	WT-22-593											0.00000000000			0	
353	WT-22-593a											0.00000000000			0	
84	WT-22-594					Gleysol	HG		p			23.00000000000	FL		0	P

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
250	WT-22-594a											0.00000000000			0	
345	WT-22-594b											0.00000000000			0	
346	WT-22-594c											0.00000000000			0	
85	WT-22-595	R				Organic	F		v	YD		46.00000000000			0	P
508	WT-22-612											0.00000000000			0	
510	WT-22-613											0.00000000000			0	
522	WT-22-616											0.00000000000			0	
86	WT-22-618					Organic	H		p	YR		35.00000000000		L	35	P
523	WT-22-618a											0.00000000000			0	
87	WT-22-619	M	v			Gleysol	HG		v	YD		60.00000000000			0	P
88	WT-22-620	M	v			Organic	H		v	YD		42.00000000000			0	P
253	WT-22-620a											0.00000000000			0	
254	WT-22-621											0.00000000000			0	
255	WT-22-621a											0.00000000000			0	
301	WT-22-621b											0.00000000000			0	
89	WT-22-621c					Gleysol	G		p	D		37.00000000000		K	35	F
90	WT-22-623					Organic	H		v	YD		25.00000000000		W	25	P
256	WT-22-623a											0.00000000000			0	
257	WT-22-623b											0.00000000000			0	
91	WT-22-624					Gleysol	G		v	YD		50.00000000000			0	F
258	WT-22-624a											0.00000000000			0	
259	WT-22-626											0.00000000000			0	
92	WT-22-627					Organic	M		v	YR		93.00000000000		W	0	P
93	WT-22-629					Organic	M		v	YD		35.00000000000		W	35	P
260	WT-22-630											0.00000000000			0	
261	WT-22-631											0.00000000000			0	
262	WT-22-632											0.00000000000			0	
94	WT-22-633					Organic	M		p	YD		43.00000000000		W	43	P
527	WT-22-634											0.00000000000			0	
95	WT-22-635					Gleysol	HG		i	YD		45.00000000000		L	45	F
96	WT-22-636					Organic	H		p	YD		50.00000000000		W	50	P
332	WT-22-637											0.00000000000			0	
97	WT-22-638					Organic	M		p	YD		34.00000000000		W	35	P
331	WT-22-638a											0.00000000000			0	
98	WT-22-639					Organic	H		v	YD		30.00000000000		W	45	P
264	WT-22-639a											0.00000000000			0	
327	WT-22-639b											0.00000000000			0	
328	WT-22-639c											0.00000000000			0	
326	WT-22-640											0.00000000000			0	
265	WT-22-641											0.00000000000			0	
339	WT-22-641a											0.00000000000			0	
266	WT-22-642											0.00000000000			0	
338	WT-22-642a											0.00000000000			0	
267	WT-22-643											0.00000000000			0	
325	WT-22-643a											0.00000000000			0	
268	WT-22-644											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
320	WT-22-644a											0.00000000000			0	
251	WT-22-645											0.00000000000			0	
323	WT-22-645a											0.00000000000			0	
269	WT-22-646											0.00000000000			0	
270	WT-22-646a											0.00000000000			0	
321	WT-22-646b											0.00000000000			0	
322	WT-22-646c											0.00000000000			0	
481	WT-22-647											0.00000000000			0	
482	WT-22-647a											0.00000000000			0	
485	WT-22-647b											0.00000000000			0	
486	WT-22-647c											0.00000000000			0	
455	WT-22-648											0.00000000000			0	
478	WT-22-648a											0.00000000000			0	
479	WT-22-649											0.00000000000			0	
477	WT-22-650											0.00000000000			0	
448	WT-22-651											0.00000000000			0	
99	WT-22-652	M				Organic	M		v			41.00000000000	ME		0	P
432	WT-22-652a											0.00000000000			0	
439	WT-22-653											0.00000000000			0	
271	WT-22-655											0.00000000000			0	
100	WT-22-656					Gleysol	HG		p			38.00000000000	FLS		0	P
452	WT-22-656a											0.00000000000			0	
453	WT-22-656b											0.00000000000			0	
454	WT-22-656c											0.00000000000			0	
272	WT-22-657											0.00000000000			0	
460	WT-22-657a											0.00000000000			0	
101	WT-22-660					Organic	M		v	YD		100.00000000000		L	100	P
273	WT-22-660a											0.00000000000			0	
102	WT-22-661					Gleysol	HG		p	L		44.00000000000		P	0	F
103	WT-22-662					Gleysol	HG		p	D		30.00000000000		N	0	F
274	WT-22-662a											0.00000000000			0	
592	WT-22-662b											0.00000000000			0	
594	WT-22-662c											0.00000000000			0	
285	WT-22-664											0.00000000000			0	
275	WT-22-665											0.00000000000			0	
312	WT-22-665a											0.00000000000			0	
276	WT-22-666											0.00000000000			0	
314	WT-22-666a											0.00000000000			0	
316	WT-22-667											0.00000000000			0	
104	WT-22-669					Organic	M		v	YD		80.00000000000		N	0	P
277	WT-22-670											0.00000000000			0	
278	WT-22-671											0.00000000000			0	
105	WT-22-673					Gleysol	G		v	YD		65.00000000000		W	0	P

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	surf mat 2	surf exp 2	geo proces	geo proc 1	soil order	greatgroup	subgroup	drainage	humus form	humus phas	root depth	root zn	root restr	root res 1	hydrogeo
279	WT-22-673a											0.00000000000			0	
555	WT-22-674											0.00000000000			0	
556	WT-22-674a											0.00000000000			0	
450	WT-22-675											0.00000000000			0	
451	WT-22-675a											0.00000000000			0	
280	WT-22-676											0.00000000000			0	
518	WT-22-676a											0.00000000000			0	
519	WT-22-676b											0.00000000000			0	
198	WT-22-679											0.00000000000			0	
106	WT-22-687					Organic	M		p	YD		85.00000000000		N	0	P
336	WT-22-687a											0.00000000000			0	
367	WT-22-721											0.00000000000			0	
633	WT-22-755											0.00000000000			0	
281	WT-22-777											0.00000000000			0	
629	WT-22-783											0.00000000000			0	
758	WT-22-814											0.00000000000			0	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
393	CH100			0			0	0.00000000000	0	0	0	0	0.00000000000
395	CH101			0			0	0.00000000000	0	0	0	0	0.00000000000
396	CH102			0			0	0.00000000000	0	0	0	0	0.00000000000
397	CH103			0			0	0.00000000000	0	0	0	0	0.00000000000
398	CH104			0			0	0.00000000000	0	0	0	0	0.00000000000
1	Lake 15/16		P	5	O	M	0	0.00000000000	4	8	52	18	98.00000000000
2	MC01	a	G	2	A	M	0	0.00000000000	0	0	0	100	3.00000000000
3	MC02		G	0	R	T	0	0.00000000000	0	0	50	80	80.00000000000
4	MC03	a	G	0	X		0	10.00000000000	10	15	9	53	90.00000000000
107	MC04			0			0	0.00000000000	0	0	0	0	0.00000000000
5	MC05	a	G	45	A	E	0	0.00000000000	0	30	51	98	0.00000000000
6	MC06		G	0	X		0	0.00000000000	0	1	90	41	90.00000000000
7	MC07		G	0	X		0	0.00000000000	2	15	109	55	85.00000000000
8	MC08		G	18	R	W	0	10.00000000000	10	12	38	43	90.00000000000
108	MC09			0			0	0.00000000000	0	0	0	0	0.00000000000
109	MC10			0			0	0.00000000000	0	0	0	0	0.00000000000
802	MC100			0			0	0.00000000000	0	0	0	0	0.00000000000
801	MC101			0			0	0.00000000000	0	0	0	0	0.00000000000
800	MC102			0			0	0.00000000000	0	0	0	0	0.00000000000
797	MC103			0			0	0.00000000000	0	0	0	0	0.00000000000
783	MC104			0			0	0.00000000000	0	0	0	0	0.00000000000
781	MC105			0			0	0.00000000000	0	0	0	0	0.00000000000
779	MC106			0			0	0.00000000000	0	0	0	0	0.00000000000
784	MC107			0			0	0.00000000000	0	0	0	0	0.00000000000
782	MC108			0			0	0.00000000000	0	0	0	0	0.00000000000
792	MC109			0			0	0.00000000000	0	0	0	0	0.00000000000
9	MC11		G	0	R	W	0	0.00000000000	0	0	30	73	100.00000000000
778	MC110			0			0	0.00000000000	0	0	0	0	0.00000000000
780	MC111			0			0	0.00000000000	0	0	0	0	0.00000000000
787	MC111a			0			0	0.00000000000	0	0	0	0	0.00000000000
790	MC113			0			0	0.00000000000	0	0	0	0	0.00000000000
785	MC114			0			0	0.00000000000	0	0	0	0	0.00000000000
791	MC115			0			0	0.00000000000	0	0	0	0	0.00000000000
796	MC116			0			0	0.00000000000	0	0	0	0	0.00000000000
788	MC117			0			0	0.00000000000	0	0	0	0	0.00000000000
794	MC118			0			0	0.00000000000	0	0	0	0	0.00000000000
786	MC119			0			0	0.00000000000	0	0	0	0	0.00000000000
10	MC12		G	50	A	E	0	0.00000000000	0	0	0	120	0.00000000000
789	MC120			0			0	0.00000000000	0	0	0	0	0.00000000000
795	MC121			0			0	0.00000000000	0	0	0	0	0.00000000000
799	MC122			0			0	0.00000000000	0	0	0	0	0.00000000000
295	MC123			0			0	0.00000000000	0	0	0	0	0.00000000000
296	MC124			0			0	0.00000000000	0	0	0	0	0.00000000000
798	MC125			0			0	0.00000000000	0	0	0	0	0.00000000000
110	MC13			0			0	0.00000000000	0	0	0	0	0.00000000000
11	MC14	a	G	15	A	M	0	0.00000000000	0	2	91	80	2.00000000000
111	MC15			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
12	MC16	a	P	0	O	T	0	0.00000000000	5	17	60	92	70.00000000000
112	MC17			0			0	0.00000000000	0	0	0	0	0.00000000000
113	MC18			0			0	0.00000000000	0	0	0	0	0.00000000000
114	MC19			0			0	0.00000000000	0	0	0	0	0.00000000000
13	MC20		P	0	X		0	0.00000000000	0	10	71	67	90.00000000000
14	MC21		P	0	X		0	0.00000000000	0	30	70	30	98.00000000000
15	MC22		P	0	O	M	0	0.00000000000	0	0	75	60	80.00000000000
16	MC23			0	F	E	0	0.00000000000	0	0	60	95	0.00000000000
17	MC24	a	G	0	A	E	0	0.00000000000	0	0	0	98	0.00000000000
115	MC25			0			0	0.00000000000	0	0	0	0	0.00000000000
18	MC26		P	0	O	E	0	0.00000000000	0	0	4	60	70.00000000000
19	MC27			0			0	0.00000000000	1	1	53	99	50.00000000000
20	MC28		G	0	O	E	0	0.00000000000	0	0	65	103	80.00000000000
116	MC29			0			0	0.00000000000	0	0	0	0	0.00000000000
21	MC30		G	0	O	E	0	2.00000000000	5	36	46	65	15.00000000000
22	MC31		P	0	O	M	0	0.00000000000	0	10	43	54	98.00000000000
117	MC32			0			0	0.00000000000	0	0	0	0	0.00000000000
23	MC33			0			0	0.00000000000	0	0	70	104	25.00000000000
24	MC34		P	0	X		0	0.00000000000	20	20	30	35	98.00000000000
289	WT100			0			0	0.00000000000	0	0	0	0	0.00000000000
290	WT101			0			0	0.00000000000	0	0	0	0	0.00000000000
300	WT102			0			0	0.00000000000	0	0	0	0	0.00000000000
305	WT103			0			0	0.00000000000	0	0	0	0	0.00000000000
350	WT104			0			0	0.00000000000	0	0	0	0	0.00000000000
354	WT105			0			0	0.00000000000	0	0	0	0	0.00000000000
355	WT106			0			0	0.00000000000	0	0	0	0	0.00000000000
392	WT108			0			0	0.00000000000	0	0	0	0	0.00000000000
417	WT109			0			0	0.00000000000	0	0	0	0	0.00000000000
445	WT110			0			0	0.00000000000	0	0	0	0	0.00000000000
446	WT111			0			0	0.00000000000	0	0	0	0	0.00000000000
458	WT112			0			0	0.00000000000	0	0	0	0	0.00000000000
459	WT113			0			0	0.00000000000	0	0	0	0	0.00000000000
461	WT114			0			0	0.00000000000	0	0	0	0	0.00000000000
462	WT115			0			0	0.00000000000	0	0	0	0	0.00000000000
463	WT116			0			0	0.00000000000	0	0	0	0	0.00000000000
465	WT117			0			0	0.00000000000	0	0	0	0	0.00000000000
466	WT118			0			0	0.00000000000	0	0	0	0	0.00000000000
470	WT119			0			0	0.00000000000	0	0	0	0	0.00000000000
473	WT120			0			0	0.00000000000	0	0	0	0	0.00000000000
474	WT121			0			0	0.00000000000	0	0	0	0	0.00000000000
488	WT122			0			0	0.00000000000	0	0	0	0	0.00000000000
493	WT123			0			0	0.00000000000	0	0	0	0	0.00000000000
497	WT124			0			0	0.00000000000	0	0	0	0	0.00000000000
498	WT125			0			0	0.00000000000	0	0	0	0	0.00000000000
499	WT126			0			0	0.00000000000	0	0	0	0	0.00000000000
528	WT127			0			0	0.00000000000	0	0	0	0	0.00000000000
545	WT128			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
546	WT129			0			0	0.00000000000	0	0	0	0	0.00000000000
549	WT130			0			0	0.00000000000	0	0	0	0	0.00000000000
551	WT131			0			0	0.00000000000	0	0	0	0	0.00000000000
568	WT132			0			0	0.00000000000	0	0	0	0	0.00000000000
569	WT133			0			0	0.00000000000	0	0	0	0	0.00000000000
578	WT134			0			0	0.00000000000	0	0	0	0	0.00000000000
579	WT135			0			0	0.00000000000	0	0	0	0	0.00000000000
580	WT136			0			0	0.00000000000	0	0	0	0	0.00000000000
597	WT137			0			0	0.00000000000	0	0	0	0	0.00000000000
599	WT138			0			0	0.00000000000	0	0	0	0	0.00000000000
603	WT139			0			0	0.00000000000	0	0	0	0	0.00000000000
404	WT140			0			0	0.00000000000	0	0	0	0	0.00000000000
405	WT141			0			0	0.00000000000	0	0	0	0	0.00000000000
617	WT142			0			0	0.00000000000	0	0	0	0	0.00000000000
621	WT143			0			0	0.00000000000	0	0	0	0	0.00000000000
628	WT144			0			0	0.00000000000	0	0	0	0	0.00000000000
649	WT147			0			0	0.00000000000	0	0	0	0	0.00000000000
650	WT148			0			0	0.00000000000	0	0	0	0	0.00000000000
678	WT149			0			0	0.00000000000	0	0	0	0	0.00000000000
774	WT150			0			0	0.00000000000	0	0	0	0	0.00000000000
776	WT151			0			0	0.00000000000	0	0	0	0	0.00000000000
777	WT152			0			0	0.00000000000	0	0	0	0	0.00000000000
752	WT153			0			0	0.00000000000	0	0	0	0	0.00000000000
754	WT154			0			0	0.00000000000	0	0	0	0	0.00000000000
756	WT155			0			0	0.00000000000	0	0	0	0	0.00000000000
757	WT156			0			0	0.00000000000	0	0	0	0	0.00000000000
766	WT159			0			0	0.00000000000	0	0	0	0	0.00000000000
773	WT160			0			0	0.00000000000	0	0	0	0	0.00000000000
293	WT161			0			0	0.00000000000	0	0	0	0	0.00000000000
662	WT162			0			0	0.00000000000	0	0	0	0	0.00000000000
669	WT163			0			0	0.00000000000	0	0	0	0	0.00000000000
721	WT164			0			0	0.00000000000	0	0	0	0	0.00000000000
722	WT165			0			0	0.00000000000	0	0	0	0	0.00000000000
727	WT166			0			0	0.00000000000	0	0	0	0	0.00000000000
729	WT167			0			0	0.00000000000	0	0	0	0	0.00000000000
730	WT168			0			0	0.00000000000	0	0	0	0	0.00000000000
732	WT169			0			0	0.00000000000	0	0	0	0	0.00000000000
735	WT170			0			0	0.00000000000	0	0	0	0	0.00000000000
737	WT171			0			0	0.00000000000	0	0	0	0	0.00000000000
741	WT172			0			0	0.00000000000	0	0	0	0	0.00000000000
611	WT-22-001a			0			0	0.00000000000	0	0	0	0	0.00000000000
25	WT-22-003	lb	G	100	O	B	0	0.00000000000	0	60	0	50	1.00000000000
426	WT-22-003a			0			0	0.00000000000	0	0	0	0	0.00000000000
428	WT-22-003b			0			0	0.00000000000	0	0	0	0	0.00000000000
429	WT-22-003c			0			0	0.00000000000	0	0	0	0	0.00000000000
430	WT-22-003d			0			0	0.00000000000	0	0	0	0	0.00000000000
408	WT-22-004			0			0	0.00000000000	0	0	0	0	0.00000000000
420	WT-22-004a			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
421	WT-22-008			0			0	0.00000000000	0	0	0	0	0.00000000000
422	WT-22-008a			0			0	0.00000000000	0	0	0	0	0.00000000000
423	WT-22-008b			0			0	0.00000000000	0	0	0	0	0.00000000000
424	WT-22-008c			0			0	0.00000000000	0	0	0	0	0.00000000000
425	WT-22-008d			0			0	0.00000000000	0	0	0	0	0.00000000000
427	WT-22-008e			0			0	0.00000000000	0	0	0	0	0.00000000000
26	WT-22-011		G	0	F	E	0	0.00000000000	0	10	55	83	20.00000000000
119	WT-22-012a			0			0	0.00000000000	0	0	0	0	0.00000000000
400	WT-22-012b			0			0	0.00000000000	0	0	0	0	0.00000000000
401	WT-22-012c			0			0	0.00000000000	0	0	0	0	0.00000000000
613	WT-22-014			0			0	0.00000000000	0	0	0	0	0.00000000000
614	WT-22-014a			0			0	0.00000000000	0	0	0	0	0.00000000000
27	WT-22-015		G	0	F	E	0	0.00000000000	0	0	15	80	1.00000000000
399	WT-22-015a			0			0	0.00000000000	0	0	0	0	0.00000000000
402	WT-22-015b			0			0	0.00000000000	0	0	0	0	0.00000000000
403	WT-22-015c			0			0	0.00000000000	0	0	0	0	0.00000000000
406	WT-22-015d			0			0	0.00000000000	0	0	0	0	0.00000000000
407	WT-22-015e			0			0	0.00000000000	0	0	0	0	0.00000000000
612	WT-22-016			0			0	0.00000000000	0	0	0	0	0.00000000000
409	WT-22-017			0			0	0.00000000000	0	0	0	0	0.00000000000
411	WT-22-022			0			0	0.00000000000	0	0	0	0	0.00000000000
28	WT-22-023	cb	P	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
618	WT-22-023a			0			0	0.00000000000	0	0	0	0	0.00000000000
623	WT-22-025			0			0	0.00000000000	0	0	0	0	0.00000000000
622	WT-22-026			0			0	0.00000000000	0	0	0	0	0.00000000000
29	WT-22-027	cb	P	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
624	WT-22-028			0			0	0.00000000000	0	0	0	0	0.00000000000
625	WT-22-028a			0			0	0.00000000000	0	0	0	0	0.00000000000
626	WT-22-028b			0			0	0.00000000000	0	0	0	0	0.00000000000
627	WT-22-028c			0			0	0.00000000000	0	0	0	0	0.00000000000
619	WT-22-030			0			0	0.00000000000	0	0	0	0	0.00000000000
620	WT-22-030a			0			0	0.00000000000	0	0	0	0	0.00000000000
120	WT-22-031			0			0	0.00000000000	0	0	0	0	0.00000000000
638	WT-22-031a			0			0	0.00000000000	0	0	0	0	0.00000000000
121	WT-22-033			0			0	0.00000000000	0	0	0	0	0.00000000000
630	WT-22-033a			0			0	0.00000000000	0	0	0	0	0.00000000000
632	WT-22-034			0			0	0.00000000000	0	0	0	0	0.00000000000
122	WT-22-036			0			0	0.00000000000	0	0	0	0	0.00000000000
123	WT-22-039			0			0	0.00000000000	0	0	0	0	0.00000000000
124	WT-22-042			0			0	0.00000000000	0	0	0	0	0.00000000000
635	WT-22-043			0			0	0.00000000000	0	0	0	0	0.00000000000
412	WT-22-044			0			0	0.00000000000	0	0	0	0	0.00000000000
292	WT-22-045			0			0	0.00000000000	0	0	0	0	0.00000000000
30	WT-22-046		G	45	A	W	0	0.00000000000	0	0	0	0	0.00000000000
676	WT-22-046a			0			0	0.00000000000	0	0	0	0	0.00000000000
677	WT-22-046b			0			0	0.00000000000	0	0	0	0	0.00000000000
674	WT-22-047			0			0	0.00000000000	0	0	0	0	0.00000000000
673	WT-22-048			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
704	WT-22-049			0			0	0.00000000000	0	0	0	0	0.00000000000
637	WT-22-052			0			0	0.00000000000	0	0	0	0	0.00000000000
126	WT-22-054			0			0	0.00000000000	0	0	0	0	0.00000000000
671	WT-22-054a			0			0	0.00000000000	0	0	0	0	0.00000000000
681	WT-22-054b			0			0	0.00000000000	0	0	0	0	0.00000000000
31	WT-22-055		G	9			0	0.00000000000	0	0	0	0	0.00000000000
679	WT-22-055a			0			0	0.00000000000	0	0	0	0	0.00000000000
680	WT-22-055b			0			0	0.00000000000	0	0	0	0	0.00000000000
127	WT-22-056c			0			0	0.00000000000	0	0	0	0	0.00000000000
128	WT-22-057			0			0	0.00000000000	0	0	0	0	0.00000000000
684	WT-22-057a			0			0	0.00000000000	0	0	0	0	0.00000000000
686	WT-22-059			0			0	0.00000000000	0	0	0	0	0.00000000000
775	WT-22-061			0			0	0.00000000000	0	0	0	0	0.00000000000
129	WT-22-062		G	0			0	0.00000000000	0	0	0	0	0.00000000000
695	WT-22-062a			0			0	0.00000000000	0	0	0	0	0.00000000000
696	WT-22-062b			0			0	0.00000000000	0	0	0	0	0.00000000000
656	WT-22-063			0			0	0.00000000000	0	0	0	0	0.00000000000
654	WT-22-064			0			0	0.00000000000	0	0	0	0	0.00000000000
639	WT-22-066			0			0	0.00000000000	0	0	0	0	0.00000000000
644	WT-22-066a			0			0	0.00000000000	0	0	0	0	0.00000000000
655	WT-22-067			0			0	0.00000000000	0	0	0	0	0.00000000000
32	WT-22-069		G	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
643	WT-22-069a			0			0	0.00000000000	0	0	0	0	0.00000000000
641	WT-22-070			0			0	0.00000000000	0	0	0	0	0.00000000000
33	WT-22-071	Ib	P	50	X		0	0.00000000000	0	0	0	0	0.00000000000
772	WT-22-073			0			0	0.00000000000	0	0	0	0	0.00000000000
771	WT-22-074			0			0	0.00000000000	0	0	0	0	0.00000000000
770	WT-22-075			0			0	0.00000000000	0	0	0	0	0.00000000000
769	WT-22-076			0			0	0.00000000000	0	0	0	0	0.00000000000
767	WT-22-078			0			0	0.00000000000	0	0	0	0	0.00000000000
768	WT-22-079			0			0	0.00000000000	0	0	0	0	0.00000000000
763	WT-22-083			0			0	0.00000000000	0	0	0	0	0.00000000000
764	WT-22-084			0			0	0.00000000000	0	0	0	0	0.00000000000
761	WT-22-087			0			0	0.00000000000	0	0	0	0	0.00000000000
755	WT-22-089			0			0	0.00000000000	0	0	0	0	0.00000000000
753	WT-22-091			0			0	0.00000000000	0	0	0	0	0.00000000000
657	WT-22-094			0			0	0.00000000000	0	0	0	0	0.00000000000
658	WT-22-094a			0			0	0.00000000000	0	0	0	0	0.00000000000
664	WT-22-096			0			0	0.00000000000	0	0	0	0	0.00000000000
663	WT-22-097			0			0	0.00000000000	0	0	0	0	0.00000000000
282	WT-22-099			0			0	0.00000000000	0	0	0	0	0.00000000000
661	WT-22-100			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
34	WT-22-101		G	30	A	E	0	0.00000000000	0	0	0	0	0.00000000000
750	WT-22-102			0			0	0.00000000000	0	0	0	0	0.00000000000
748	WT-22-105			0			0	0.00000000000	0	0	0	0	0.00000000000
667	WT-22-106			0			0	0.00000000000	0	0	0	0	0.00000000000
665	WT-22-107			0			0	0.00000000000	0	0	0	0	0.00000000000
666	WT-22-107a			0			0	0.00000000000	0	0	0	0	0.00000000000
668	WT-22-108			0			0	0.00000000000	0	0	0	0	0.00000000000
745	WT-22-109			0			0	0.00000000000	0	0	0	0	0.00000000000
742	WT-22-110			0			0	0.00000000000	0	0	0	0	0.00000000000
740	WT-22-114			0			0	0.00000000000	0	0	0	0	0.00000000000
739	WT-22-115			0			0	0.00000000000	0	0	0	0	0.00000000000
738	WT-22-116			0			0	0.00000000000	0	0	0	0	0.00000000000
736	WT-22-118			0			0	0.00000000000	0	0	0	0	0.00000000000
689	WT-22-119			0			0	0.00000000000	0	0	0	0	0.00000000000
690	WT-22-119a			0			0	0.00000000000	0	0	0	0	0.00000000000
130	WT-22-123			0			0	0.00000000000	0	0	0	0	0.00000000000
294	WT-22-125			0			0	0.00000000000	0	0	0	0	0.00000000000
131	WT-22-126			0			0	0.00000000000	0	0	0	0	0.00000000000
733	WT-22-128			0			0	0.00000000000	0	0	0	0	0.00000000000
731	WT-22-129			0			0	0.00000000000	0	0	0	0	0.00000000000
726	WT-22-130			0			0	0.00000000000	0	0	0	0	0.00000000000
728	WT-22-130a			0			0	0.00000000000	0	0	0	0	0.00000000000
724	WT-22-132			0			0	0.00000000000	0	0	0	0	0.00000000000
725	WT-22-132a			0			0	0.00000000000	0	0	0	0	0.00000000000
705	WT-22-137			0			0	0.00000000000	0	0	0	0	0.00000000000
132	WT-22-138			0			0	0.00000000000	0	0	0	0	0.00000000000
707	WT-22-139			0			0	0.00000000000	0	0	0	0	0.00000000000
708	WT-22-142			0			0	0.00000000000	0	0	0	0	0.00000000000
718	WT-22-143			0			0	0.00000000000	0	0	0	0	0.00000000000
716	WT-22-144			0			0	0.00000000000	0	0	0	0	0.00000000000
717	WT-22-145			0			0	0.00000000000	0	0	0	0	0.00000000000
710	WT-22-146			0			0	0.00000000000	0	0	0	0	0.00000000000
35	WT-22-148	cb	G	45	O	M	0	0.00000000000	0	0	0	0	0.00000000000
651	WT-22-151			0			0	0.00000000000	0	0	0	0	0.00000000000
682	WT-22-152			0			0	0.00000000000	0	0	0	0	0.00000000000
133	WT-22-153			0	O	T	0	0.00000000000	0	0	0	0	0.00000000000
751	WT-22-154			0			0	0.00000000000	0	0	0	0	0.00000000000
648	WT-22-156			0			0	0.00000000000	0	0	0	0	0.00000000000
634	WT-22-157			0			0	0.00000000000	0	0	0	0	0.00000000000
747	WT-22-160			0			0	0.00000000000	0	0	0	0	0.00000000000
134	WT-22-161			0			0	0.00000000000	0	0	0	0	0.00000000000
36	WT-22-163	cb	G	0	O	T	0	0.00000000000	0	0	0	0	0.00000000000
135	WT-22-164			0			0	0.00000000000	0	0	0	0	0.00000000000
734	WT-22-165			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
687	WT-22-166			0			0	0.00000000000	0	0	0	0	0.00000000000
746	WT-22-168			0			0	0.00000000000	0	0	0	0	0.00000000000
136	WT-22-170			0			0	0.00000000000	0	0	0	0	0.00000000000
685	WT-22-171			0			0	0.00000000000	0	0	0	0	0.00000000000
137	WT-22-173			0			0	0.00000000000	0	0	0	0	0.00000000000
155	WT-22-173a			0			0	0.00000000000	0	0	0	0	0.00000000000
703	WT-22-174			0			0	0.00000000000	0	0	0	0	0.00000000000
410	WT-22-179			0			0	0.00000000000	0	0	0	0	0.00000000000
636	WT-22-180			0			0	0.00000000000	0	0	0	0	0.00000000000
138	WT-22-184a			0			0	0.00000000000	0	0	0	30	2.00000000000
693	WT-22-185			0			0	0.00000000000	0	0	0	0	0.00000000000
694	WT-22-186			0			0	0.00000000000	0	0	0	0	0.00000000000
653	WT-22-188			0			0	0.00000000000	0	0	0	0	0.00000000000
609	WT-22-189			0			0	0.00000000000	0	0	0	0	0.00000000000
139	WT-22-190	lb	P	20	R	T	0	0.00000000000	0	0	0	0	0.00000000000
37	WT-22-191	lb	P	25	R	B	0	0.00000000000	0	0	0	0	0.00000000000
547	WT-22-191a			0			0	0.00000000000	0	0	0	0	0.00000000000
548	WT-22-191b			0			0	0.00000000000	0	0	0	0	0.00000000000
550	WT-22-191c			0			0	0.00000000000	0	0	0	0	0.00000000000
539	WT-22-192			0			0	0.00000000000	0	0	0	0	0.00000000000
544	WT-22-192a			0			0	0.00000000000	0	0	0	0	0.00000000000
600	WT-22-193			0			0	0.00000000000	0	0	0	0	0.00000000000
38	WT-22-194	a	G	0	O	T	0	35.00000000000	0	6	5	53	72.00000000000
307	WT-22-194a			0			0	0.00000000000	0	0	0	0	0.00000000000
308	WT-22-194b			0			0	0.00000000000	0	0	0	0	0.00000000000
140	WT-22-195			0			0	0.00000000000	0	0	0	0	0.00000000000
141	WT-22-196			0			0	0.00000000000	0	0	0	0	0.00000000000
607	WT-22-199			0			0	0.00000000000	0	0	0	0	0.00000000000
142	WT-22-201			0			0	0.00000000000	0	0	0	0	0.00000000000
39	WT-22-202		G	30	O	T	0	0.00000000000	0	0	0	0	0.00000000000
414	WT-22-202a			0			0	0.00000000000	0	0	0	0	0.00000000000
415	WT-22-202b			0			0	0.00000000000	0	0	0	0	0.00000000000
416	WT-22-202c			0			0	0.00000000000	0	0	0	0	0.00000000000
576	WT-22-202d			0			0	0.00000000000	0	0	0	0	0.00000000000
577	WT-22-202e			0			0	0.00000000000	0	0	0	0	0.00000000000
40	WT-22-204	lb	P	0	O	M	0	0.00000000000	0	0	0	0	0.00000000000
538	WT-22-204a			0			0	0.00000000000	0	0	0	0	0.00000000000
540	WT-22-205			0			0	0.00000000000	0	0	0	0	0.00000000000
541	WT-22-205a			0			0	0.00000000000	0	0	0	0	0.00000000000
537	WT-22-206			0			0	0.00000000000	0	0	0	0	0.00000000000
536	WT-22-207			0			0	0.00000000000	0	0	0	0	0.00000000000
41	WT-22-209		P	10	X		0	0.00000000000	0	8	68	72	99.00000000000
581	WT-22-212			0			0	0.00000000000	0	0	0	0	0.00000000000
582	WT-22-213			0			0	0.00000000000	0	0	0	0	0.00000000000
583	WT-22-213a			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
143	WT-22-215			0			0	0.00000000000	0	0	0	0	0.00000000000
309	WT-22-219			0			0	0.00000000000	0	0	0	0	0.00000000000
252	WT-22-219a			0			0	0.00000000000	0	0	0	0	0.00000000000
42	WT-22-220	a	G	0	F	E	0	0.00000000000	0	42	10	86	7.00000000000
310	WT-22-220a			0			0	0.00000000000	0	0	0	0	0.00000000000
601	WT-22-223			0			0	0.00000000000	0	0	0	0	0.00000000000
602	WT-22-223a			0			0	0.00000000000	0	0	0	0	0.00000000000
605	WT-22-223b			0			0	0.00000000000	0	0	0	0	0.00000000000
606	WT-22-223c			0			0	0.00000000000	0	0	0	0	0.00000000000
608	WT-22-223d			0			0	0.00000000000	0	0	0	0	0.00000000000
604	WT-22-224			0			0	0.00000000000	0	0	0	0	0.00000000000
144	WT-22-226			0			0	0.00000000000	0	0	0	0	0.00000000000
145	WT-22-227			0			0	0.00000000000	0	0	0	0	0.00000000000
43	WT-22-227a	a	G	0	O	T	0	30.00000000000	0	5	8	79	7.00000000000
306	WT-22-227b			0			0	0.00000000000	0	0	0	0	0.00000000000
535	WT-22-227c			0			0	0.00000000000	0	0	0	0	0.00000000000
554	WT-22-228			0			0	0.00000000000	0	0	0	0	0.00000000000
552	WT-22-229			0			0	0.00000000000	0	0	0	0	0.00000000000
553	WT-22-229a			0			0	0.00000000000	0	0	0	0	0.00000000000
543	WT-22-231			0			0	0.00000000000	0	0	0	0	0.00000000000
610	WT-22-232			0			0	0.00000000000	0	0	0	0	0.00000000000
44	WT-22-236	lb	G	0	X		0	20.00000000000	10	9	0	10	90.00000000000
615	WT-22-238			0			0	0.00000000000	0	0	0	0	0.00000000000
616	WT-22-239			0			0	0.00000000000	0	0	0	0	0.00000000000
631	WT-22-243			0			0	0.00000000000	0	0	0	0	0.00000000000
146	WT-22-244			0			0	0.00000000000	0	0	0	0	0.00000000000
147	WT-22-246			0			0	0.00000000000	0	0	0	0	0.00000000000
125	WT-22-247			0			0	0.00000000000	0	0	0	0	0.00000000000
148	WT-22-249			0			0	0.00000000000	0	0	0	0	0.00000000000
149	WT-22-250			0			0	0.00000000000	0	0	0	0	0.00000000000
683	WT-22-250a			0			0	0.00000000000	0	0	0	0	0.00000000000
150	WT-22-252			0			0	0.00000000000	0	0	0	0	0.00000000000
697	WT-22-252a			0			0	0.00000000000	0	0	0	0	0.00000000000
645	WT-22-255			0			0	0.00000000000	0	0	0	0	0.00000000000
646	WT-22-255a			0			0	0.00000000000	0	0	0	0	0.00000000000
647	WT-22-256			0			0	0.00000000000	0	0	0	0	0.00000000000
642	WT-22-257a			0			0	0.00000000000	0	0	0	0	0.00000000000
765	WT-22-259			0			0	0.00000000000	0	0	0	0	0.00000000000
762	WT-22-263			0			0	0.00000000000	0	0	0	0	0.00000000000
151	WT-22-268			0			0	0.00000000000	0	0	0	0	0.00000000000
659	WT-22-269			0			0	0.00000000000	0	0	0	0	0.00000000000
759	WT-22-273			0			0	0.00000000000	0	0	0	0	0.00000000000
760	WT-22-273a			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
660	WT-22-279			0			0	0.00000000000	0	0	0	0	0.00000000000
749	WT-22-283			0			0	0.00000000000	0	0	0	0	0.00000000000
152	WT-22-284			0			0	0.00000000000	0	0	0	0	0.00000000000
153	WT-22-285			0			0	0.00000000000	0	0	0	0	0.00000000000
744	WT-22-286			0			0	0.00000000000	0	0	0	0	0.00000000000
743	WT-22-287			0			0	0.00000000000	0	0	0	0	0.00000000000
670	WT-22-291			0			0	0.00000000000	0	0	0	0	0.00000000000
698	WT-22-294			0			0	0.00000000000	0	0	0	0	0.00000000000
701	WT-22-295			0			0	0.00000000000	0	0	0	0	0.00000000000
700	WT-22-296			0			0	0.00000000000	0	0	0	0	0.00000000000
154	WT-22-298			0			0	0.00000000000	0	0	0	0	0.00000000000
702	WT-22-298a			0			0	0.00000000000	0	0	0	0	0.00000000000
723	WT-22-307			0			0	0.00000000000	0	0	0	0	0.00000000000
720	WT-22-309			0			0	0.00000000000	0	0	0	0	0.00000000000
45	WT-22-311		G	0	F	M	0	0.00000000000	0	0	0	0	0.00000000000
706	WT-22-312			0			0	0.00000000000	0	0	0	0	0.00000000000
156	WT-22-313			0			0	0.00000000000	0	0	0	0	0.00000000000
719	WT-22-315			0			0	0.00000000000	0	0	0	0	0.00000000000
712	WT-22-316			0			0	0.00000000000	0	0	0	0	0.00000000000
715	WT-22-317			0			0	0.00000000000	0	0	0	0	0.00000000000
713	WT-22-318			0			0	0.00000000000	0	0	0	0	0.00000000000
714	WT-22-319			0			0	0.00000000000	0	0	0	0	0.00000000000
711	WT-22-320			0			0	0.00000000000	0	0	0	0	0.00000000000
709	WT-22-321			0			0	0.00000000000	0	0	0	0	0.00000000000
157	WT-22-323			0			0	0.00000000000	0	0	0	0	0.00000000000
584	WT-22-325			0			0	0.00000000000	0	0	0	0	0.00000000000
585	WT-22-326			0			0	0.00000000000	0	0	0	0	0.00000000000
158	WT-22-328			0			0	0.00000000000	0	0	0	0	0.00000000000
159	WT-22-329			0			0	0.00000000000	0	0	0	0	0.00000000000
366	WT-22-329a			0			0	0.00000000000	0	0	0	0	0.00000000000
471	WT-22-330			0			0	0.00000000000	0	0	0	0	0.00000000000
46	WT-22-332	lb	P	0	X		0	0.00000000000	0	3	10	55	70.00000000000
160	WT-22-332a			0			0	0.00000000000	0	0	0	0	0.00000000000
388	WT-22-332b			0			0	0.00000000000	0	0	0	0	0.00000000000
47	WT-22-333	lb	G	0	R		0	0.00000000000	0	0	0	0	0.00000000000
500	WT-22-334			0			0	0.00000000000	0	0	0	0	0.00000000000
501	WT-22-334a			0			0	0.00000000000	0	0	0	0	0.00000000000
502	WT-22-334b			0			0	0.00000000000	0	0	0	0	0.00000000000
161	WT-22-336			0			0	0.00000000000	0	0	0	0	0.00000000000
491	WT-22-336a			0			0	0.00000000000	0	0	0	0	0.00000000000
492	WT-22-336b			0			0	0.00000000000	0	0	0	0	0.00000000000
490	WT-22-338a			0			0	0.00000000000	0	0	0	0	0.00000000000
118	WT-22-338b			0			0	0.00000000000	0	0	0	0	0.00000000000
162	WT-22-338b1			0			0	0.00000000000	0	0	0	0	0.00000000000
164	WT-22-338b10			0			0	0.00000000000	0	0	0	0	0.00000000000
489	WT-22-338b2			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
512	WT-22-338b3			0			0	0.00000000000	0	0	0	0	0.00000000000
514	WT-22-338b4			0			0	0.00000000000	0	0	0	0	0.00000000000
520	WT-22-338b5			0			0	0.00000000000	0	0	0	0	0.00000000000
521	WT-22-338b6			0			0	0.00000000000	0	0	0	0	0.00000000000
529	WT-22-338b7			0			0	0.00000000000	0	0	0	0	0.00000000000
530	WT-22-338b8			0			0	0.00000000000	0	0	0	0	0.00000000000
163	WT-22-338b9			0			0	0.00000000000	0	0	0	0	0.00000000000
165	WT-22-341			0			0	0.00000000000	0	0	0	0	0.00000000000
284	WT-22-343			0			0	0.00000000000	0	0	0	0	0.00000000000
571	WT-22-343a			0			0	0.00000000000	0	0	0	0	0.00000000000
572	WT-22-343b			0			0	0.00000000000	0	0	0	0	0.00000000000
573	WT-22-343c			0			0	0.00000000000	0	0	0	0	0.00000000000
574	WT-22-343d			0			0	0.00000000000	0	0	0	0	0.00000000000
48	WT-22-345	lb	G	15	X		0	0.00000000000	0	3	47	102	70.00000000000
166	WT-22-345a			0			0	0.00000000000	0	0	0	0	0.00000000000
342	WT-22-345b			0			0	0.00000000000	0	0	0	0	0.00000000000
343	WT-22-345c			0			0	0.00000000000	0	0	0	0	0.00000000000
344	WT-22-345d			0			0	0.00000000000	0	0	0	0	0.00000000000
167	WT-22-347			0			0	0.00000000000	0	0	0	0	0.00000000000
304	WT-22-347a			0			0	0.00000000000	0	0	0	0	0.00000000000
49	WT-22-348	lb	G	0			0	0.00000000000	0	0	3	80	80.00000000000
168	WT-22-348a			0			0	0.00000000000	0	0	0	0	0.00000000000
303	WT-22-348a2			0			0	0.00000000000	0	0	0	0	0.00000000000
333	WT-22-349			0			0	0.00000000000	0	0	0	0	0.00000000000
263	WT-22-349a			0			0	0.00000000000	0	0	0	0	0.00000000000
169	WT-22-350			0			0	0.00000000000	0	0	0	0	0.00000000000
337	WT-22-350a			0			0	0.00000000000	0	0	0	0	0.00000000000
443	WT-22-351			0			0	0.00000000000	0	0	0	0	0.00000000000
444	WT-22-351a			0			0	0.00000000000	0	0	0	0	0.00000000000
431	WT-22-352			0			0	0.00000000000	0	0	0	0	0.00000000000
433	WT-22-352a			0			0	0.00000000000	0	0	0	0	0.00000000000
434	WT-22-352b			0			0	0.00000000000	0	0	0	0	0.00000000000
435	WT-22-352c			0			0	0.00000000000	0	0	0	0	0.00000000000
436	WT-22-352d			0			0	0.00000000000	0	0	0	0	0.00000000000
437	WT-22-352e			0			0	0.00000000000	0	0	0	0	0.00000000000
438	WT-22-352f			0			0	0.00000000000	0	0	0	0	0.00000000000
440	WT-22-352g			0			0	0.00000000000	0	0	0	0	0.00000000000
441	WT-22-352h			0			0	0.00000000000	0	0	0	0	0.00000000000
442	WT-22-352i			0			0	0.00000000000	0	0	0	0	0.00000000000
171	WT-22-353b			0			0	0.00000000000	0	0	0	0	0.00000000000
170	WT-22-353c			0			0	0.00000000000	0	0	0	0	0.00000000000
172	WT-22-354			0			0	0.00000000000	0	0	0	0	0.00000000000
467	WT-22-354a			0			0	0.00000000000	0	0	0	0	0.00000000000
50	WT-22-355		G	13	O	T	10	15.00000000000	5	5	25	57	40.00000000000
351	WT-22-355av			0			0	0.00000000000	0	0	0	0	0.00000000000
347	WT-22-356			0			0	0.00000000000	0	0	0	0	0.00000000000

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Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
349	WT-22-356a			0			0	0.00000000000	0	0	0	0	0.00000000000
525	WT-22-357			0			0	0.00000000000	0	0	0	0	0.00000000000
173	WT-22-358a			0			0	0.00000000000	0	0	0	0	0.00000000000
505	WT-22-358a1			0			0	0.00000000000	0	0	0	0	0.00000000000
506	WT-22-358a2			0			0	0.00000000000	0	0	0	0	0.00000000000
507	WT-22-358a3			0			0	0.00000000000	0	0	0	0	0.00000000000
504	WT-22-358b			0			0	0.00000000000	0	0	0	0	0.00000000000
174	WT-22-358c			0			0	0.00000000000	0	0	0	0	0.00000000000
175	WT-22-359			0			0	0.00000000000	0	0	0	0	0.00000000000
587	WT-22-359a			0			0	0.00000000000	0	0	0	0	0.00000000000
586	WT-22-359b			0			0	0.00000000000	0	0	0	0	0.00000000000
591	WT-22-360			0			0	0.00000000000	0	0	0	0	0.00000000000
176	WT-22-361b			0			0	0.00000000000	0	0	0	0	0.00000000000
487	WT-22-362a			0			0	0.00000000000	0	0	0	0	0.00000000000
177	WT-22-362b			0			0	0.00000000000	0	0	0	0	0.00000000000
370	WT-22-362b1			0			0	0.00000000000	0	0	0	0	0.00000000000
371	WT-22-362b2			0			0	0.00000000000	0	0	0	0	0.00000000000
178	WT-22-363			0			0	0.00000000000	0	0	0	0	0.00000000000
340	WT-22-363a			0			0	0.00000000000	0	0	0	0	0.00000000000
179	WT-22-364			0			0	0.00000000000	0	0	0	0	0.00000000000
341	WT-22-364v			0			0	0.00000000000	0	0	0	0	0.00000000000
180	WT-22-365			0			0	0.00000000000	0	0	0	0	0.00000000000
381	WT-22-365a			0			0	0.00000000000	0	0	0	0	0.00000000000
51	WT-22-367		G	5	O	M	0	0.00000000000	0	10	70	31	20.00000000000
348	WT-22-367a			0			0	0.00000000000	0	0	0	0	0.00000000000
447	WT-22-371			0			0	0.00000000000	0	0	0	0	0.00000000000
449	WT-22-371a			0			0	0.00000000000	0	0	0	0	0.00000000000
52	WT-22-373	cb	P	0	X		0	0.00000000000	0	8	18	69	91.00000000000
368	WT-22-373a			0			0	0.00000000000	0	0	0	0	0.00000000000
369	WT-22-373b			0			0	0.00000000000	0	0	0	0	0.00000000000
181	WT-22-379			0			0	0.00000000000	0	0	0	0	0.00000000000
391	WT-22-379a			0			0	0.00000000000	0	0	0	0	0.00000000000
182	WT-22-380			0			0	0.00000000000	0	0	0	0	0.00000000000
390	WT-22-380a			0			0	0.00000000000	0	0	0	0	0.00000000000
183	WT-22-381			0			0	0.00000000000	0	0	0	0	0.00000000000
387	WT-22-381a			0			0	0.00000000000	0	0	0	0	0.00000000000
184	WT-22-382			0			0	0.00000000000	0	0	0	0	0.00000000000
380	WT-22-382a			0			0	0.00000000000	0	0	0	0	0.00000000000
185	WT-22-383			0			0	0.00000000000	0	0	0	0	0.00000000000
531	WT-22-383a			0			0	0.00000000000	0	0	0	0	0.00000000000
532	WT-22-383b			0			0	0.00000000000	0	0	0	0	0.00000000000
53	WT-22-390a	cb	P	0			0	3.00000000000	3	10	40	20	10.00000000000
472	WT-22-390b			0			0	0.00000000000	0	0	0	0	0.00000000000
524	WT-22-390b1			0			0	0.00000000000	0	0	0	0	0.00000000000
54	WT-22-391	ob	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
291	WT-22-391a			0			0	0.00000000000	0	0	0	0	0.00000000000
186	WT-22-392			0			0	0.00000000000	0	0	0	0	0.00000000000
187	WT-22-392a			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
188	WT-22-392b			0			0	10.00000000000	0	3	75	5	70.00000000000
302	WT-22-392c			0			0	0.00000000000	0	0	0	0	0.00000000000
509	WT-22-393			0			0	0.00000000000	0	0	0	0	0.00000000000
189	WT-22-394			0			0	0.00000000000	0	0	0	0	0.00000000000
190	WT-22-395			0			0	0.00000000000	0	0	0	0	0.00000000000
374	WT-22-395a			0			0	0.00000000000	0	0	0	0	0.00000000000
593	WT-22-396			0			0	0.00000000000	0	0	0	0	0.00000000000
191	WT-22-397			0			0	0.00000000000	0	0	0	0	0.00000000000
192	WT-22-397a			0			0	0.00000000000	0	0	0	0	0.00000000000
588	WT-22-397b			0			0	0.00000000000	0	0	0	0	0.00000000000
589	WT-22-397c			0			0	0.00000000000	0	0	0	0	0.00000000000
55	WT-22-398	lb	P	0			0	0.00000000000	0	0	0	0	0.00000000000
287	WT-22-398a			0			0	0.00000000000	0	0	0	0	0.00000000000
56	WT-22-399	cb	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
57	WT-22-403		G	9	O	T	20	30.00000000000	5	8	34	72	90.00000000000
193	WT-22-404			0			0	0.00000000000	0	0	0	0	0.00000000000
335	WT-22-404a			0			0	0.00000000000	0	0	0	0	0.00000000000
58	WT-22-405	lb	P	0	X		0	0.00000000000	0	0	5	76	100.00000000000
334	WT-22-405a			0			0	0.00000000000	0	0	0	0	0.00000000000
194	WT-22-406			0			0	0.00000000000	0	0	0	0	0.00000000000
195	WT-22-406a			0			0	0.00000000000	0	0	0	0	0.00000000000
329	WT-22-406b			0			0	0.00000000000	0	0	0	0	0.00000000000
330	WT-22-406c			0			0	0.00000000000	0	0	0	0	0.00000000000
196	WT-22-407			0			0	0.00000000000	0	0	0	0	0.00000000000
197	WT-22-409			0			0	0.00000000000	0	0	0	0	0.00000000000
468	WT-22-409a			0			0	0.00000000000	0	0	0	0	0.00000000000
469	WT-22-409b			0			0	0.00000000000	0	0	0	0	0.00000000000
476	WT-22-410			0			0	0.00000000000	0	0	0	0	0.00000000000
475	WT-22-411			0			0	0.00000000000	0	0	0	0	0.00000000000
283	WT-22-413			0			0	0.00000000000	0	0	0	0	0.00000000000
480	WT-22-414			0			0	0.00000000000	0	0	0	0	0.00000000000
483	WT-22-414a			0			0	0.00000000000	0	0	0	0	0.00000000000
484	WT-22-414b			0			0	0.00000000000	0	0	0	0	0.00000000000
199	WT-22-416			0			0	0.00000000000	0	0	0	0	0.00000000000
200	WT-22-416a			0			0	0.00000000000	0	0	0	0	0.00000000000
324	WT-22-416b			0			0	0.00000000000	0	0	0	0	0.00000000000
59	WT-22-417	a	G	30	F	T	0	0.00000000000	0	0	90	77	1.00000000000
319	WT-22-417a			0			0	0.00000000000	0	0	0	0	0.00000000000
60	WT-22-422	ob	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
61	WT-22-423	cb	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
288	WT-22-423a			0			0	0.00000000000	0	0	0	0	0.00000000000
201	WT-22-424			0			0	0.00000000000	0	0	0	0	0.00000000000
62	WT-22-424a	lb	P	0	X		0	0.00000000000	0	8	62	66	5.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
315	WT-22-424b			0			0	0.00000000000	0	0	0	0	0.00000000000
202	WT-22-425			0			0	0.00000000000	0	0	0	0	0.00000000000
317	WT-22-425a			0			0	0.00000000000	0	0	0	0	0.00000000000
311	WT-22-426			0			0	0.00000000000	0	0	0	0	0.00000000000
286	WT-22-427			0			0	0.00000000000	0	0	0	0	0.00000000000
203	WT-22-428			0			0	0.00000000000	0	0	0	0	0.00000000000
566	WT-22-428a			0			0	0.00000000000	0	0	0	0	0.00000000000
63	WT-22-429	cb	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
559	WT-22-430			0			0	0.00000000000	0	0	0	0	0.00000000000
560	WT-22-430a			0			0	0.00000000000	0	0	0	0	0.00000000000
561	WT-22-430b			0			0	0.00000000000	0	0	0	0	0.00000000000
64	WT-22-431	a	G	0	R	B	0	0.00000000000	0	0	0	0	0.00000000000
65	WT-22-436	cb	P	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
204	WT-22-438			0			0	0.00000000000	0	0	0	0	0.00000000000
357	WT-22-439			0			0	0.00000000000	0	0	0	0	0.00000000000
205	WT-22-440			0			0	0.00000000000	0	0	0	0	0.00000000000
206	WT-22-441			0			0	0.00000000000	0	0	0	0	0.00000000000
207	WT-22-442			0			0	0.00000000000	0	0	0	0	0.00000000000
66	WT-22-443	cb	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
208	WT-22-444			0			0	0.00000000000	0	0	0	0	0.00000000000
209	WT-22-446			0			0	0.00000000000	0	0	0	0	0.00000000000
210	WT-22-447			0			0	0.00000000000	0	0	0	0	0.00000000000
67	WT-22-449	cb	G	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
211	WT-22-450			0			0	0.00000000000	0	0	0	0	0.00000000000
598	WT-22-450a			0			0	0.00000000000	0	0	0	0	0.00000000000
212	WT-22-451			0			0	0.00000000000	0	0	0	0	0.00000000000
596	WT-22-451a			0			0	0.00000000000	0	0	0	0	0.00000000000
68	WT-22-453	lb	P	0			0	30.00000000000	0	5	12	65	13.00000000000
69	WT-22-455	a	G	0			0	35.00000000000	0	9	40	36	90.00000000000
213	WT-22-456			0			0	0.00000000000	0	0	0	0	0.00000000000
534	WT-22-456a			0			0	0.00000000000	0	0	0	0	0.00000000000
557	WT-22-458			0			0	0.00000000000	0	0	0	0	0.00000000000
495	WT-22-459			0			0	0.00000000000	0	0	0	0	0.00000000000
70	WT-22-465	a	G	0	F	T	5	30.00000000000	0	10	8	63	89.00000000000
318	WT-22-465a			0			0	0.00000000000	0	0	0	0	0.00000000000
562	WT-22-465b			0			0	0.00000000000	0	0	0	0	0.00000000000
563	WT-22-465c			0			0	0.00000000000	0	0	0	0	0.00000000000
71	WT-22-467	a	G	22	R	B	0	30.00000000000	5	6	10	60	40.00000000000
413	WT-22-467a			0			0	0.00000000000	0	0	0	0	0.00000000000
72	WT-22-479	ts	G	26	X		0	0.00000000000	0	0	0	0	0.00000000000
214	WT-22-479a			0			0	0.00000000000	0	0	0	0	0.00000000000
73	WT-22-480	lb	P	0	X		0	0.00000000000	0	0	3	64	80.00000000000
376	WT-22-480a			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
74	WT-22-481	lb	P	0	X		0	0.00000000000	0	0	70	132	0.00000000000
215	WT-22-481a			0			0	0.00000000000	0	0	0	0	0.00000000000
378	WT-22-481b			0			0	0.00000000000	0	0	0	0	0.00000000000
379	WT-22-481c			0			0	0.00000000000	0	0	0	0	0.00000000000
356	WT-22-482			0			0	0.00000000000	0	0	0	0	0.00000000000
216	WT-22-494			0			0	0.00000000000	0	0	0	0	0.00000000000
217	WT-22-495			0			0	0.00000000000	0	0	0	0	0.00000000000
372	WT-22-495a			0			0	0.00000000000	0	0	0	0	0.00000000000
218	WT-22-496			0			0	0.00000000000	0	0	0	0	0.00000000000
373	WT-22-496a			0			0	0.00000000000	0	0	0	0	0.00000000000
75	WT-22-497	cb	P	0	X		0	0.00000000000	0	3	5	77	90.00000000000
375	WT-22-497a			0			0	0.00000000000	0	0	0	0	0.00000000000
219	WT-22-498			0			0	0.00000000000	0	0	0	0	0.00000000000
220	WT-22-499			0			0	0.00000000000	0	0	0	0	0.00000000000
221	WT-22-500			0			0	0.00000000000	0	0	0	0	0.00000000000
222	WT-22-501			0			0	0.00000000000	0	0	0	0	0.00000000000
223	WT-22-502			0			0	0.00000000000	0	0	0	0	0.00000000000
224	WT-22-503			0			0	0.00000000000	0	0	0	0	0.00000000000
358	WT-22-503a			0			0	0.00000000000	0	0	0	0	0.00000000000
359	WT-22-503b			0			0	0.00000000000	0	0	0	0	0.00000000000
360	WT-22-503c			0			0	0.00000000000	0	0	0	0	0.00000000000
361	WT-22-503d			0			0	0.00000000000	0	0	0	0	0.00000000000
76	WT-22-504		P	12	O	M	0	0.00000000000	0	2	24	70	100.00000000000
225	WT-22-505			0			0	0.00000000000	0	0	0	0	0.00000000000
226	WT-22-506			0			0	0.00000000000	0	0	0	0	0.00000000000
595	WT-22-507			0			0	0.00000000000	0	0	0	0	0.00000000000
227	WT-22-509			0			0	0.00000000000	0	0	0	0	0.00000000000
77	WT-22-510a		G	34	R	T	0	0.00000000000	0	0	0	0	0.00000000000
228	WT-22-510b			0			0	0.00000000000	0	0	0	0	0.00000000000
533	WT-22-510c			0			0	0.00000000000	0	0	0	0	0.00000000000
229	WT-22-511			0			0	0.00000000000	0	0	0	0	0.00000000000
386	WT-22-511a			0			0	0.00000000000	0	0	0	0	0.00000000000
230	WT-22-512			0			0	0.00000000000	0	0	0	0	0.00000000000
383	WT-22-512a			0			0	0.00000000000	0	0	0	0	0.00000000000
384	WT-22-512b			0			0	0.00000000000	0	0	0	0	0.00000000000
385	WT-22-512c			0			0	0.00000000000	0	0	0	0	0.00000000000
231	WT-22-513			0			0	0.00000000000	0	0	0	0	0.00000000000
382	WT-22-513a			0			0	0.00000000000	0	0	0	0	0.00000000000
232	WT-22-514			0			0	0.00000000000	0	0	0	0	0.00000000000
377	WT-22-514a			0			0	0.00000000000	0	0	0	0	0.00000000000
233	WT-22-515			0			0	0.00000000000	0	0	0	0	0.00000000000
389	WT-22-515a			0			0	0.00000000000	0	0	0	0	0.00000000000
494	WT-22-516			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
234	WT-22-517			0			0	0.00000000000	0	0	0	0	0.00000000000
78	WT-22-518	cb	P	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
79	WT-22-519	cb	P	0	A	P	0	0.00000000000	0	0	0	0	0.00000000000
496	WT-22-520			0			0	0.00000000000	0	0	0	0	0.00000000000
235	WT-22-521			0			0	0.00000000000	0	0	0	0	0.00000000000
236	WT-22-522			0			0	0.00000000000	0	0	0	0	0.00000000000
237	WT-22-523			0			0	0.00000000000	0	0	0	0	0.00000000000
238	WT-22-524			0			0	0.00000000000	0	0	0	0	0.00000000000
564	WT-22-531			0			0	0.00000000000	0	0	0	0	0.00000000000
313	WT-22-532			0			0	0.00000000000	0	0	0	0	0.00000000000
239	WT-22-533			0			0	0.00000000000	0	0	0	0	0.00000000000
567	WT-22-533a			0			0	0.00000000000	0	0	0	0	0.00000000000
240	WT-22-534			0			0	0.00000000000	0	0	0	0	0.00000000000
565	WT-22-534a			0			0	0.00000000000	0	0	0	0	0.00000000000
80	WT-22-535	lb	G	0	X		0	0.00000000000	0	0	0	0	0.00000000000
241	WT-22-540			0			0	0.00000000000	0	0	0	0	0.00000000000
558	WT-22-540a			0			0	0.00000000000	0	0	0	0	0.00000000000
242	WT-22-556			0			0	0.00000000000	0	0	0	0	0.00000000000
362	WT-22-556a			0			0	0.00000000000	0	0	0	0	0.00000000000
363	WT-22-556b			0			0	0.00000000000	0	0	0	0	0.00000000000
364	WT-22-556c			0			0	0.00000000000	0	0	0	0	0.00000000000
365	WT-22-556d			0			0	0.00000000000	0	0	0	0	0.00000000000
243	WT-22-557			0			0	0.00000000000	0	0	0	0	0.00000000000
513	WT-22-557a			0			0	0.00000000000	0	0	0	0	0.00000000000
244	WT-22-558			0			0	0.00000000000	0	0	0	0	0.00000000000
511	WT-22-558a			0			0	0.00000000000	0	0	0	0	0.00000000000
81	WT-22-559	lb	G	0	X		0	0.00000000000	0	0	0	0	0.00000000000
516	WT-22-560			0			0	0.00000000000	0	0	0	0	0.00000000000
517	WT-22-560b			0			0	0.00000000000	0	0	0	0	0.00000000000
245	WT-22-561			0			0	0.00000000000	0	0	0	0	0.00000000000
515	WT-22-561a			0			0	0.00000000000	0	0	0	0	0.00000000000
82	WT-22-569	lb	G	10	X		0	0.00000000000	2	11	35	95	90.00000000000
418	WT-22-570			0			0	0.00000000000	0	0	0	0	0.00000000000
83	WT-22-570a		P	5	X		0	0.00000000000	0	0	10	95	100.00000000000
419	WT-22-571			0			0	0.00000000000	0	0	0	0	0.00000000000
246	WT-22-572			0			0	0.00000000000	0	0	0	0	0.00000000000
570	WT-22-583			0			0	0.00000000000	0	0	0	0	0.00000000000
575	WT-22-584			0			0	0.00000000000	0	0	0	0	0.00000000000
247	WT-22-589			0			0	0.00000000000	0	0	0	0	0.00000000000
526	WT-22-591			0			0	0.00000000000	0	0	0	0	0.00000000000
248	WT-22-592			0			0	0.00000000000	0	0	0	0	0.00000000000
352	WT-22-592a			0			0	0.00000000000	0	0	0	0	0.00000000000
249	WT-22-593			0			0	0.00000000000	0	0	0	0	0.00000000000
353	WT-22-593a			0			0	0.00000000000	0	0	0	0	0.00000000000
84	WT-22-594	ts	G	18	X		0	30.00000000000	0	0	42	95	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
250	WT-22-594a			0			0	0.00000000000	0	0	0	0	0.00000000000
345	WT-22-594b			0			0	0.00000000000	0	0	0	0	0.00000000000
346	WT-22-594c			0			0	0.00000000000	0	0	0	0	0.00000000000
85	WT-22-595	cb	P	0			0	0.00000000000	0	0	22	86	86.00000000000
508	WT-22-612			0			0	0.00000000000	0	0	0	0	0.00000000000
510	WT-22-613			0			0	0.00000000000	0	0	0	0	0.00000000000
522	WT-22-616			0			0	0.00000000000	0	0	0	0	0.00000000000
86	WT-22-618	ts	G	0	R	B	0	0.00000000000	0	0	0	0	0.00000000000
523	WT-22-618a			0			0	0.00000000000	0	0	0	0	0.00000000000
87	WT-22-619	lb	P	0			0	10.00000000000	0	8	45	40	100.00000000000
88	WT-22-620	lb	P	0			0	0.00000000000	0	0	0	0	0.00000000000
253	WT-22-620a			0			0	0.00000000000	0	10	40	34	100.00000000000
254	WT-22-621			0			0	0.00000000000	0	0	0	0	0.00000000000
255	WT-22-621a			0			0	0.00000000000	0	0	0	0	0.00000000000
301	WT-22-621b			0			0	0.00000000000	0	0	0	0	0.00000000000
89	WT-22-621c	lb	S	0			0	15.00000000000	0	10	13	23	59.00000000000
90	WT-22-623	lb	P	0			0	0.00000000000	0	5	70	45	80.00000000000
256	WT-22-623a			0			0	0.00000000000	0	0	0	0	0.00000000000
257	WT-22-623b			0			0	0.00000000000	0	0	0	0	0.00000000000
91	WT-22-624	lb	G	0			0	10.00000000000	0	5	55	50	20.00000000000
258	WT-22-624a			0			0	0.00000000000	0	0	0	0	0.00000000000
259	WT-22-626			0			0	0.00000000000	0	0	0	0	0.00000000000
92	WT-22-627	cb	P	0			0	0.00000000000	0	10	3	70	100.00000000000
93	WT-22-629	lb	P	0			0	0.00000000000	0	7	3	80	100.00000000000
260	WT-22-630			0			0	0.00000000000	0	0	0	0	0.00000000000
261	WT-22-631			0			0	0.00000000000	0	0	0	0	0.00000000000
262	WT-22-632			0			0	0.00000000000	0	0	0	0	0.00000000000
94	WT-22-633	lb	P	0			0	0.00000000000	0	12	8	55	90.00000000000
527	WT-22-634			0			0	0.00000000000	0	0	0	0	0.00000000000
95	WT-22-635	ts	G	0	R	B	0	0.00000000000	0	0	0	0	0.00000000000
96	WT-22-636	lb	P	0	X		0	0.00000000000	0	0	70	47	100.00000000000
332	WT-22-637			0			0	0.00000000000	0	0	0	0	0.00000000000
97	WT-22-638	lb	P	0	X		0	0.00000000000	0	12	8	53	95.00000000000
331	WT-22-638a			0			0	0.00000000000	0	0	0	0	0.00000000000
98	WT-22-639	lb	G	0	X		0	20.00000000000	0	12	25	70	95.00000000000
264	WT-22-639a			0			0	0.00000000000	0	0	0	0	0.00000000000
327	WT-22-639b			0			0	0.00000000000	0	0	0	0	0.00000000000
328	WT-22-639c			0			0	0.00000000000	0	0	0	0	0.00000000000
326	WT-22-640			0			0	0.00000000000	0	0	0	0	0.00000000000
265	WT-22-641			0			0	0.00000000000	0	0	0	0	0.00000000000
339	WT-22-641a			0			0	0.00000000000	0	0	0	0	0.00000000000
266	WT-22-642			0			0	0.00000000000	0	0	0	0	0.00000000000
338	WT-22-642a			0			0	0.00000000000	0	0	0	0	0.00000000000
267	WT-22-643			0			0	0.00000000000	0	0	0	0	0.00000000000
325	WT-22-643a			0			0	0.00000000000	0	0	0	0	0.00000000000
268	WT-22-644			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
320	WT-22-644a			0			0	0.00000000000	0	0	0	0	0.00000000000
251	WT-22-645			0			0	0.00000000000	0	0	0	0	0.00000000000
323	WT-22-645a			0			0	0.00000000000	0	0	0	0	0.00000000000
269	WT-22-646			0			0	0.00000000000	0	0	0	0	0.00000000000
270	WT-22-646a			0			0	0.00000000000	0	0	0	0	0.00000000000
321	WT-22-646b			0			0	0.00000000000	0	0	0	0	0.00000000000
322	WT-22-646c			0			0	0.00000000000	0	0	0	0	0.00000000000
481	WT-22-647			0			0	0.00000000000	0	0	0	0	0.00000000000
482	WT-22-647a			0			0	0.00000000000	0	0	0	0	0.00000000000
485	WT-22-647b			0			0	0.00000000000	0	0	0	0	0.00000000000
486	WT-22-647c			0			0	0.00000000000	0	0	0	0	0.00000000000
455	WT-22-648			0			0	0.00000000000	0	0	0	0	0.00000000000
478	WT-22-648a			0			0	0.00000000000	0	0	0	0	0.00000000000
479	WT-22-649			0			0	0.00000000000	0	0	0	0	0.00000000000
477	WT-22-650			0			0	0.00000000000	0	0	0	0	0.00000000000
448	WT-22-651			0			0	0.00000000000	0	0	0	0	0.00000000000
99	WT-22-652	lb	P	0	O	E	0	0.00000000000	0	0	0	0	0.00000000000
432	WT-22-652a			0			0	0.00000000000	0	0	0	0	0.00000000000
439	WT-22-653			0			0	0.00000000000	0	0	0	0	0.00000000000
271	WT-22-655			0			0	0.00000000000	0	0	0	0	0.00000000000
100	WT-22-656	ts	G	24	R	T	0	0.00000000000	0	0	0	0	0.00000000000
452	WT-22-656a			0			0	0.00000000000	0	0	0	0	0.00000000000
453	WT-22-656b			0			0	0.00000000000	0	0	0	0	0.00000000000
454	WT-22-656c			0			0	0.00000000000	0	0	0	0	0.00000000000
272	WT-22-657			0			0	0.00000000000	0	0	0	0	0.00000000000
460	WT-22-657a			0			0	0.00000000000	0	0	0	0	0.00000000000
101	WT-22-660	cb	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
273	WT-22-660a			0			0	0.00000000000	0	0	0	0	0.00000000000
102	WT-22-661	lb	G	0	R	B	0	0.00000000000	0	0	0	0	0.00000000000
103	WT-22-662	a	G	0	O	T	0	0.00000000000	0	0	0	0	0.00000000000
274	WT-22-662a			0			0	0.00000000000	0	0	0	0	0.00000000000
592	WT-22-662b			0			0	0.00000000000	0	0	0	0	0.00000000000
594	WT-22-662c			0			0	0.00000000000	0	0	0	0	0.00000000000
285	WT-22-664			0			0	0.00000000000	0	0	0	0	0.00000000000
275	WT-22-665			0			0	0.00000000000	0	0	0	0	0.00000000000
312	WT-22-665a			0			0	0.00000000000	0	0	0	0	0.00000000000
276	WT-22-666			0			0	0.00000000000	0	0	0	0	0.00000000000
314	WT-22-666a			0			0	0.00000000000	0	0	0	0	0.00000000000
316	WT-22-667			0			0	0.00000000000	0	0	0	0	0.00000000000
104	WT-22-669	cb	P	0	X		0	0.00000000000	0	0	0	0	0.00000000000
277	WT-22-670			0			0	0.00000000000	0	0	0	0	0.00000000000
278	WT-22-671			0			0	0.00000000000	0	0	0	0	0.00000000000
105	WT-22-673	cb	P	0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	hydrogeo s	water sour	seepage	fld regime	fld durati	tree A1 co	tree A2 co	tree A3 co	shrub B1 c	shrub B2 c	herb C cov	moss D cov
279	WT-22-673a			0			0	0.00000000000	0	0	3	90	35.00000000000
555	WT-22-674			0			0	0.00000000000	0	0	0	0	0.00000000000
556	WT-22-674a			0			0	0.00000000000	0	0	0	0	0.00000000000
450	WT-22-675			0			0	0.00000000000	0	0	0	0	0.00000000000
451	WT-22-675a			0			0	0.00000000000	0	0	0	0	0.00000000000
280	WT-22-676			0			0	0.00000000000	0	0	0	0	0.00000000000
518	WT-22-676a			0			0	0.00000000000	0	0	0	0	0.00000000000
519	WT-22-676b			0			0	0.00000000000	0	0	0	0	0.00000000000
198	WT-22-679			0			0	0.00000000000	0	0	0	0	0.00000000000
106	WT-22-687	bs	P	0	X		0	0.00000000000	0	0	5	84	100.00000000000
336	WT-22-687a			0			0	0.00000000000	0	0	0	0	0.00000000000
367	WT-22-721			0			0	0.00000000000	0	0	0	0	0.00000000000
633	WT-22-755			0			0	0.00000000000	0	0	0	0	0.00000000000
281	WT-22-777			0			0	0.00000000000	0	0	0	0	0.00000000000
629	WT-22-783			0			0	0.00000000000	0	0	0	0	0.00000000000
758	WT-22-814			0			0	0.00000000000	0	0	0	0	0.00000000000

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
393	CH100		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
395	CH101		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
396	CH102		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
397	CH103		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
398	CH104		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		2b	
1	Lake 15/16	Matthews Creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		5	C
2	MC01	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
3	MC02	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
4	MC03	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	C
107	MC04	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
5	MC05	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
6	MC06	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
7	MC07	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	
8	MC08	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	C
108	MC09	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
109	MC10	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
802	MC100		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	
801	MC101		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
800	MC102		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
797	MC103		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
783	MC104		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
781	MC105		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
779	MC106		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
784	MC107		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
782	MC108		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
792	MC109		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
9	MC11	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
778	MC110		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
780	MC111		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
787	MC111a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
790	MC113		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
785	MC114		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
791	MC115		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
796	MC116		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
788	MC117		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	
794	MC118		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
786	MC119		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
10	MC12	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
789	MC120		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
795	MC121		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
799	MC122		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
295	MC123		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
296	MC124		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
798	MC125		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
110	MC13	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
11	MC14	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
111	MC15	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
12	MC16	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	
112	MC17	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
113	MC18	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
114	MC19	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
13	MC20	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	
14	MC21	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	C
15	MC22	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
16	MC23	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
17	MC24	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
115	MC25	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
18	MC26	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
19	MC27	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	C
20	MC28	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
116	MC29	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
21	MC30	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
22	MC31	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	
117	MC32	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
23	MC33	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
24	MC34	Matthews Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	
289	WT100		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
290	WT101		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
300	WT102		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
305	WT103		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
350	WT104		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
354	WT105		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
355	WT106		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
392	WT108		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
417	WT109		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
445	WT110		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
446	WT111		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
458	WT112		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
459	WT113		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
461	WT114		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
462	WT115		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
463	WT116		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
465	WT117		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
466	WT118		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
470	WT119		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
473	WT120		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
474	WT121		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
488	WT122		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
493	WT123		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
497	WT124		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
498	WT125		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
499	WT126		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
528	WT127		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
545	WT128		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
546	WT129		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
549	WT130		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
551	WT131		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
568	WT132		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
569	WT133		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
578	WT134		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
579	WT135		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
580	WT136		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
597	WT137		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		5	C
599	WT138		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
603	WT139		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
404	WT140		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C
405	WT141		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
617	WT142		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
621	WT143		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
628	WT144		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
649	WT147		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3d	
650	WT148		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
678	WT149		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
774	WT150		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
776	WT151		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
777	WT152		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
752	WT153		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
754	WT154		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
756	WT155		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
757	WT156		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
766	WT159		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
773	WT160		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
293	WT161		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
662	WT162		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
669	WT163		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
721	WT164		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
722	WT165		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
727	WT166		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
729	WT167		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
730	WT168		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
732	WT169		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
735	WT170		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
737	WT171		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
741	WT172		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
611	WT-22-001a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
25	WT-22-003		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
426	WT-22-003a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
428	WT-22-003b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
429	WT-22-003c		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
430	WT-22-003d		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
408	WT-22-004		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
420	WT-22-004a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
421	WT-22-008		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
422	WT-22-008a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
423	WT-22-008b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
424	WT-22-008c		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
425	WT-22-008d		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C
427	WT-22-008e		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C
26	WT-22-011		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000		2b	
119	WT-22-012a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
400	WT-22-012b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
401	WT-22-012c		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
613	WT-22-014		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
614	WT-22-014a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
27	WT-22-015		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000		2b	
399	WT-22-015a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
402	WT-22-015b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
403	WT-22-015c		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
406	WT-22-015d		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
407	WT-22-015e		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
612	WT-22-016		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
409	WT-22-017		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C
411	WT-22-022		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
28	WT-22-023		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
618	WT-22-023a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
623	WT-22-025		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
622	WT-22-026		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
29	WT-22-027		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
624	WT-22-028		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
625	WT-22-028a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
626	WT-22-028b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
627	WT-22-028c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
619	WT-22-030		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
620	WT-22-030a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
120	WT-22-031		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
638	WT-22-031a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
121	WT-22-033		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
630	WT-22-033a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
632	WT-22-034		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
122	WT-22-036		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
123	WT-22-039		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		5	C
124	WT-22-042		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	PS	3b	
635	WT-22-043		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	
412	WT-22-044		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
292	WT-22-045		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
30	WT-22-046	Along the klusklus FSR.	RNI.DVA	SBS	SBSmc2		5.00000000000	142.00000000000	DC	3b	
676	WT-22-046a		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
677	WT-22-046b		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000		6	C
674	WT-22-047		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
673	WT-22-048		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3b	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
704	WT-22-049		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
637	WT-22-052		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
126	WT-22-054	Transmission line between poles 79 and 80.	RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
671	WT-22-054a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
681	WT-22-054b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
31	WT-22-055	Between poles 79 and 80 along the transmission line.	RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000		2b	
679	WT-22-055a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
680	WT-22-055b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			2b
127	WT-22-056c	Transmission Line between poles 79 and 80.	RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	DC	2b	
128	WT-22-057	Transmission line-between poles 77 and 78.	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	DC	2b	
684	WT-22-057a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
686	WT-22-059		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
775	WT-22-061		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
129	WT-22-062	Transmission Line between poles 70 and 71.	RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	YC	3b	B
695	WT-22-062a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
696	WT-22-062b		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
656	WT-22-063		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C
654	WT-22-064		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3d	
639	WT-22-066		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	M
644	WT-22-066a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
655	WT-22-067		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
32	WT-22-069		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	YC	5	M
643	WT-22-069a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
641	WT-22-070		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	C
33	WT-22-071		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	OC	3c	C
772	WT-22-073		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
771	WT-22-074		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
770	WT-22-075		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
769	WT-22-076		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
767	WT-22-078		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
768	WT-22-079		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
763	WT-22-083		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
764	WT-22-084		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
761	WT-22-087		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
755	WT-22-089		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
753	WT-22-091		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
657	WT-22-094		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
658	WT-22-094a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
664	WT-22-096		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
663	WT-22-097		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
282	WT-22-099		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000		2b	
661	WT-22-100		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		5	B

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
34	WT-22-101		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	YC	5	C
750	WT-22-102		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
748	WT-22-105		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
667	WT-22-106		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
665	WT-22-107		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
666	WT-22-107a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		6	C
668	WT-22-108		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		6	m
745	WT-22-109		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
742	WT-22-110		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
740	WT-22-114		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
739	WT-22-115		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
738	WT-22-116		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
736	WT-22-118		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
689	WT-22-119		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
690	WT-22-119a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
130	WT-22-123	Rd side off the 100	RNI.DVA	SBS	SBSdk		2.00000000000	999.00000000000	MS	5	M
294	WT-22-125		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
131	WT-22-126	ITransmission line between poles 29 and 30.	RNI.DVA	SBS	SBSmc2		9.00000000000	30.00000000000		6	C
733	WT-22-128		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
731	WT-22-129		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
726	WT-22-130		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
728	WT-22-130a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
724	WT-22-132		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
725	WT-22-132a		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
705	WT-22-137		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
132	WT-22-138		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
707	WT-22-139		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
708	WT-22-142		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
718	WT-22-143		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
716	WT-22-144		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
717	WT-22-145		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
710	WT-22-146		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
35	WT-22-148		RNI.DVA	SBS	SBSmc2		0.00000000000	999.00000000000	MC	6	C
651	WT-22-151		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
682	WT-22-152		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
133	WT-22-153	Transmission Line between poles 79 and 80.	RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	MC	6	C
751	WT-22-154		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
648	WT-22-156		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3d	
634	WT-22-157		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
747	WT-22-160		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
134	WT-22-161		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	MC	6	C
36	WT-22-163		RNI.DVA	SBS	SBSmc2		2.00000000000	999.00000000000	YS	3b	
135	WT-22-164		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
734	WT-22-165		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
687	WT-22-166		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
746	WT-22-168		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
136	WT-22-170		RNI.DVA	SBS	SBSmc3		1.00000000000	999.00000000000	YS	4	
685	WT-22-171		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
137	WT-22-173		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000		3b	
155	WT-22-173a		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
703	WT-22-174		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
410	WT-22-179		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
636	WT-22-180		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
138	WT-22-184a	Along the transmission line between poles 33 and 34.	RNI.DVA	SBS	SBSdk		5.00000000000	156.00000000000	OC	7a	M
693	WT-22-185		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
694	WT-22-186		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
653	WT-22-188		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3d	
609	WT-22-189		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
139	WT-22-190		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	YC	5	C
37	WT-22-191		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	OC	5	C
547	WT-22-191a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
548	WT-22-191b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
550	WT-22-191c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
539	WT-22-192		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
544	WT-22-192a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
600	WT-22-193		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
38	WT-22-194		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	
307	WT-22-194a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
308	WT-22-194b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
140	WT-22-195		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3d	
141	WT-22-196		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	C
607	WT-22-199		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
142	WT-22-201		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		5	C
39	WT-22-202		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	MC	6	C
414	WT-22-202a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
415	WT-22-202b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
416	WT-22-202c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
576	WT-22-202d		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
577	WT-22-202e		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
40	WT-22-204		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	OC	3d	
538	WT-22-204a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
540	WT-22-205		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
541	WT-22-205a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
537	WT-22-206		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
536	WT-22-207		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
41	WT-22-209		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3d	C
581	WT-22-212		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
582	WT-22-213		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
583	WT-22-213a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C

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Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
143	WT-22-215		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
309	WT-22-219		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
252	WT-22-219a	South of Tatelkuz lake	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
42	WT-22-220		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
310	WT-22-220a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
601	WT-22-223		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
602	WT-22-223a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
605	WT-22-223b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
606	WT-22-223c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
608	WT-22-223d		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
604	WT-22-224		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
144	WT-22-226		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000			
145	WT-22-227	South of Tatelkuz lake	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	
43	WT-22-227a		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	
306	WT-22-227b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
535	WT-22-227c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
554	WT-22-228		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
552	WT-22-229		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
553	WT-22-229a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
543	WT-22-231		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
610	WT-22-232		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
44	WT-22-236		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
615	WT-22-238		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
616	WT-22-239		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
631	WT-22-243		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
146	WT-22-244		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000	MC	6	C
147	WT-22-246	Between poles 79 and 80.	RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
125	WT-22-247	Between poles 79 and 80. Proposed access road.	RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000	DC	2b	
148	WT-22-249	Transmission line between poles 77 and 78.	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		7	M
149	WT-22-250	Transmission line between poles 77 and 78.	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	DC	3c	C
683	WT-22-250a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
150	WT-22-252	Transmission line- between poles 70 and 71.	RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
697	WT-22-252a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
645	WT-22-255		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3b	
646	WT-22-255a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		2b	
647	WT-22-256		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		3d	
642	WT-22-257a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		2b	
765	WT-22-259		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
762	WT-22-263		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
151	WT-22-268		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000		5	M
659	WT-22-269		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
759	WT-22-273		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
760	WT-22-273a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
660	WT-22-279		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000		6	C
749	WT-22-283		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
152	WT-22-284		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	MC	6	C
153	WT-22-285		RNI.DVA	SBS	SBSdk		0.00000000000	999.00000000000	YC	5	C
744	WT-22-286		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
743	WT-22-287		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
670	WT-22-291		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
698	WT-22-294		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000		3b	
701	WT-22-295		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
700	WT-22-296		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
154	WT-22-298		RNI.DVA	SBS	SBSdk		20.00000000000	0.00000000000			
702	WT-22-298a		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			
723	WT-22-307		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
720	WT-22-309		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
45	WT-22-311		RNI.DVA	SBS	SBSdw3		0.00000000000	999.00000000000	YS	3b	
706	WT-22-312		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
156	WT-22-313		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
719	WT-22-315		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
712	WT-22-316		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000		3b	
715	WT-22-317		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000		5	C
713	WT-22-318		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
714	WT-22-319		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000		5	C
711	WT-22-320		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
709	WT-22-321		RNI.DVA	SBS	SBSdw3		0.00000000000	0.00000000000			
157	WT-22-323		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000			
584	WT-22-325		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
585	WT-22-326		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
158	WT-22-328		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	C
159	WT-22-329		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
366	WT-22-329a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
471	WT-22-330		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
46	WT-22-332		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	
160	WT-22-332a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2a	
388	WT-22-332b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
47	WT-22-333	Minesite	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000			
500	WT-22-334		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
501	WT-22-334a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
502	WT-22-334b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
161	WT-22-336		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	
491	WT-22-336a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
492	WT-22-336b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
490	WT-22-338a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
118	WT-22-338b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
162	WT-22-338b1		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
164	WT-22-338b10		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
489	WT-22-338b2		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
512	WT-22-338b3		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
514	WT-22-338b4		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
520	WT-22-338b5		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
521	WT-22-338b6		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
529	WT-22-338b7		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
530	WT-22-338b8		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
163	WT-22-338b9		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
165	WT-22-341		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
284	WT-22-343		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
571	WT-22-343a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
572	WT-22-343b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3c	
573	WT-22-343c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
574	WT-22-343d		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
48	WT-22-345		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3a	
166	WT-22-345a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		5	C
342	WT-22-345b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
343	WT-22-345c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
344	WT-22-345d		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
167	WT-22-347	North of camp	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
304	WT-22-347a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
49	WT-22-348		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2b	
168	WT-22-348a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
303	WT-22-348a2		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
333	WT-22-349		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
263	WT-22-349a	Near davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
169	WT-22-350	Near davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
337	WT-22-350a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
443	WT-22-351		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
444	WT-22-351a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
431	WT-22-352		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
433	WT-22-352a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
434	WT-22-352b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
435	WT-22-352c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
436	WT-22-352d		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
437	WT-22-352e		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
438	WT-22-352f		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
440	WT-22-352g		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
441	WT-22-352h		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
442	WT-22-352i		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
171	WT-22-353b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		5	C
170	WT-22-353c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
172	WT-22-354		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
467	WT-22-354a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
50	WT-22-355		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	C
351	WT-22-355av		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
347	WT-22-356		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
349	WT-22-356a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
525	WT-22-357		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
173	WT-22-358a		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	MC	6	C
505	WT-22-358a1		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
506	WT-22-358a2		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
507	WT-22-358a3		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
504	WT-22-358b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
174	WT-22-358c		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	MC	6	C
175	WT-22-359		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
587	WT-22-359a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
586	WT-22-359b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3b	
591	WT-22-360		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
176	WT-22-361b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		5	C
487	WT-22-362a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
177	WT-22-362b	North of Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	
370	WT-22-362b1		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
371	WT-22-362b2		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
178	WT-22-363	Along Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
340	WT-22-363a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
179	WT-22-364	Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
341	WT-22-364v		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
180	WT-22-365		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	
381	WT-22-365a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
51	WT-22-367		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3b	
348	WT-22-367a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
447	WT-22-371		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
449	WT-22-371a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
52	WT-22-373		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3d	
368	WT-22-373a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
369	WT-22-373b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
181	WT-22-379		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
391	WT-22-379a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
182	WT-22-380		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
390	WT-22-380a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
183	WT-22-381		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
387	WT-22-381a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
184	WT-22-382		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
380	WT-22-382a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
185	WT-22-383		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	C
531	WT-22-383a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
532	WT-22-383b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
53	WT-22-390a	Mine site	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000	MC	3d	C
472	WT-22-390b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
524	WT-22-390b1		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
54	WT-22-391	Minesite	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2b	
291	WT-22-391a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
186	WT-22-392		RNI.DVA	ESSF	ESSFmv1	3	0.00000000000	0.00000000000		6	
187	WT-22-392a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
188	WT-22-392b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
302	WT-22-392c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
509	WT-22-393		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
189	WT-22-394		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
190	WT-22-395	Near Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
374	WT-22-395a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
593	WT-22-396		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
191	WT-22-397		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2a	
192	WT-22-397a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
588	WT-22-397b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
589	WT-22-397c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
55	WT-22-398		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000			
287	WT-22-398a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
56	WT-22-399	Minesite	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2a	
57	WT-22-403		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	C
193	WT-22-404	Near Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
335	WT-22-404a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
58	WT-22-405		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2b	
334	WT-22-405a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
194	WT-22-406	Near Davidson creak	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
195	WT-22-406a	Near Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
329	WT-22-406b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
330	WT-22-406c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
196	WT-22-407		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	C
197	WT-22-409		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	C
468	WT-22-409a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
469	WT-22-409b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
476	WT-22-410		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
475	WT-22-411		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
283	WT-22-413		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
480	WT-22-414		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
483	WT-22-414a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
484	WT-22-414b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
199	WT-22-416	Along Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	
200	WT-22-416a	Along Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	
324	WT-22-416b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
59	WT-22-417		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3b	
319	WT-22-417a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
60	WT-22-422	Minesite	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
61	WT-22-423	Minesite	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
288	WT-22-423a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
201	WT-22-424	South of Tatelkuz lake	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		5	
62	WT-22-424a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3a	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
315	WT-22-424b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
202	WT-22-425	South of Tatelkuz lake	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		0	
317	WT-22-425a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
311	WT-22-426		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
286	WT-22-427		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
203	WT-22-428		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
566	WT-22-428a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
63	WT-22-429	Minesite	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
559	WT-22-430		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
560	WT-22-430a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
561	WT-22-430b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
64	WT-22-431	Mine site	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	MC	6	C
65	WT-22-436		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
204	WT-22-438		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
357	WT-22-439		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
205	WT-22-440		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
206	WT-22-441		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
207	WT-22-442		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
66	WT-22-443	Minesite	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3d	C
208	WT-22-444		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
209	WT-22-446		RNI.DVA	ESSF	ESSFxvp1		0.00000000000	0.00000000000			
210	WT-22-447		RNI.DVA	ESSF	ESSFxvp1		0.00000000000	0.00000000000			
67	WT-22-449		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000			
211	WT-22-450		RNI.DVA	ESSF	ESSFmv1		3.00000000000	999.00000000000	MC	6	C
598	WT-22-450a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
212	WT-22-451		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
596	WT-22-451a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
68	WT-22-453		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	
69	WT-22-455		RNI.DVA	ESSF	ESSFmv1		3.00000000000	5.00000000000		6	
213	WT-22-456		RNI.DVA	ESSF	ESSFmv1		2.00000000000	999.00000000000		5	C
534	WT-22-456a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
557	WT-22-458		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
495	WT-22-459		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
70	WT-22-465		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		6	
318	WT-22-465a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
562	WT-22-465b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
563	WT-22-465c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
71	WT-22-467		RNI.DVA	ESSF	ESSFmv1		1.00000000000	999.00000000000		6	C
413	WT-22-467a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
72	WT-22-479	Mine site	RNI.DVA	ESSF	ESSFmv1		3.00000000000	255.00000000000	MC	6	C
214	WT-22-479a	10u, 0373944, 5893655	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
73	WT-22-480		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
376	WT-22-480a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
74	WT-22-481		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		3a	
215	WT-22-481a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
378	WT-22-481b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
379	WT-22-481c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
356	WT-22-482		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
216	WT-22-494	Near Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		5	
217	WT-22-495	Near Davidson creek	RNI.DVA	ESSF	ESSFmv1	3	0.00000000000	0.00000000000		5	
372	WT-22-495a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
218	WT-22-496	Near Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
373	WT-22-496a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
75	WT-22-497		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2b	
375	WT-22-497a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
219	WT-22-498		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
220	WT-22-499		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
221	WT-22-500		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
222	WT-22-501		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
223	WT-22-502		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
224	WT-22-503		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
358	WT-22-503a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
359	WT-22-503b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
360	WT-22-503c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
361	WT-22-503d		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
76	WT-22-504		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3c	C
225	WT-22-505		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
226	WT-22-506		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
595	WT-22-507		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
227	WT-22-509		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		5	C
77	WT-22-510a		RNI.DVA	ESSF	ESSFmv1		1.00000000000	999.00000000000	MC	6	C
228	WT-22-510b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		5	C
533	WT-22-510c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
229	WT-22-511		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
386	WT-22-511a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
230	WT-22-512	North of Davidson Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
383	WT-22-512a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
384	WT-22-512b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
385	WT-22-512c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
231	WT-22-513		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
382	WT-22-513a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
232	WT-22-514		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
377	WT-22-514a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
233	WT-22-515		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
389	WT-22-515a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
494	WT-22-516		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
234	WT-22-517		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
78	WT-22-518		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
79	WT-22-519		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
496	WT-22-520		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
235	WT-22-521		RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000		2b	
236	WT-22-522		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
237	WT-22-523		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3d	
238	WT-22-524		RNI.DVA	SBS	SBSmc3		0.00000000000	9990.00000000000		5	C
564	WT-22-531		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
313	WT-22-532		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
239	WT-22-533		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
567	WT-22-533a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
240	WT-22-534		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
565	WT-22-534a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
80	WT-22-535	Mine site	RNI.DVA	SBS	SBSmc3		4.00000000000	270.00000000000		3a	
241	WT-22-540		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
558	WT-22-540a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
242	WT-22-556		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
362	WT-22-556a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
363	WT-22-556b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
364	WT-22-556c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
365	WT-22-556d		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
243	WT-22-557		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
513	WT-22-557a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
244	WT-22-558		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
511	WT-22-558a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
81	WT-22-559	Minesite	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000	MC	6	C
516	WT-22-560		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
517	WT-22-560b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
245	WT-22-561		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
515	WT-22-561a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
82	WT-22-569		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		5	C
418	WT-22-570		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
83	WT-22-570a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3a	
419	WT-22-571		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
246	WT-22-572		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
570	WT-22-583		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
575	WT-22-584		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
247	WT-22-589		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
526	WT-22-591		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
248	WT-22-592		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
352	WT-22-592a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
249	WT-22-593		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
353	WT-22-593a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
84	WT-22-594		RNI.DVA	ESSF	ESSFmv1		3.00000000000	310.00000000000		6	C

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
250	WT-22-594a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
345	WT-22-594b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
346	WT-22-594c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
85	WT-22-595	North of camp along H road	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000			
508	WT-22-612		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
510	WT-22-613		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
522	WT-22-616		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
86	WT-22-618	Mine site	RNI.DVA	ESSF	ESSFmv1		3.00000000000	345.00000000000	MC	6	C
523	WT-22-618a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
87	WT-22-619		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	
88	WT-22-620		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3d	
253	WT-22-620a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
254	WT-22-621	North of site, near H road	RNI.DVA	ESSF	ESSFmv1	1	0.00000000000	0.00000000000		6	
255	WT-22-621a	Further downslope, changed from zonal to borderline ws08	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
301	WT-22-621b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
89	WT-22-621c		RNI.DVA	ESSF	ESSFmv1		2.00000000000	355.00000000000		6	
90	WT-22-623		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3a	
256	WT-22-623a	Complex with WT-623, north of camp.	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
257	WT-22-623b	Within WT-623, north of camp	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
91	WT-22-624		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	
258	WT-22-624a	Located within 624; graminoid dominated section of 624	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
259	WT-22-626	Transition to upland, wb05	RNI.DVA	ESSF	ESSFmv1	5	0.00000000000	0.00000000000		3d	
92	WT-22-627		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3d	
93	WT-22-629		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2b	
260	WT-22-630		RNI.DVA	ESSF	ESSFmv1	1	0.00000000000	0.00000000000		6	
261	WT-22-631		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
262	WT-22-632		RNI.DVA	ESSF	ESSFmv1	5	0.00000000000	0.00000000000		3b	
94	WT-22-633		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	
527	WT-22-634		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
95	WT-22-635	Minesite	RNI.DVA	ESSF	ESSFmv1		2.00000000000	203.00000000000	MC	6	C
96	WT-22-636		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3a	
332	WT-22-637		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
97	WT-22-638		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	
331	WT-22-638a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
98	WT-22-639		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		6	
264	WT-22-639a	Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3d	
327	WT-22-639b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
328	WT-22-639c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
326	WT-22-640		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
265	WT-22-641	Near Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
339	WT-22-641a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
266	WT-22-642		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
338	WT-22-642a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
267	WT-22-643	Along Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
325	WT-22-643a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
268	WT-22-644	Along Davidson Creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	

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Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
320	WT-22-644a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
251	WT-22-645	Along Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
323	WT-22-645a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
269	WT-22-646	Along Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2b	
270	WT-22-646a	Along Davidson creek	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		3a	
321	WT-22-646b		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
322	WT-22-646c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
481	WT-22-647		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
482	WT-22-647a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
485	WT-22-647b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
486	WT-22-647c		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
455	WT-22-648		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
478	WT-22-648a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
479	WT-22-649		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
477	WT-22-650		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
448	WT-22-651		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
99	WT-22-652		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		3a	
432	WT-22-652a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		3a	
439	WT-22-653		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
271	WT-22-655		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
100	WT-22-656		RNI.DVA	ESSF	ESSFmv1		2.00000000000	999.00000000000		5	C
452	WT-22-656a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
453	WT-22-656b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
454	WT-22-656c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
272	WT-22-657		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
460	WT-22-657a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
101	WT-22-660	Mine site	RNI.DVA	SBS	SBSmc3		0.00000000000	999.00000000000	MC	3d	C
273	WT-22-660a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	
102	WT-22-661	Mine site	RNI.DVA	ESSF	ESSFmv1		2.00000000000	89.00000000000		3a	
103	WT-22-662	Minesite	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000	MC	6	C
274	WT-22-662a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	
592	WT-22-662b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
594	WT-22-662c		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
285	WT-22-664		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
275	WT-22-665	South of Tatelkuz lake	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
312	WT-22-665a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
276	WT-22-666	South of Tatelkuz lake	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	
314	WT-22-666a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
316	WT-22-667		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
104	WT-22-669	Minesite	RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000	MC	3d	
277	WT-22-670		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000	OC	3d	
278	WT-22-671		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000	OC	3d	
105	WT-22-673		RNI.DVA	ESSF	ESSFmv1		0.00000000000	999.00000000000		2b	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	general lo	forest reg	bgc zone	bgc label	site serie	slope	aspect	succession	structural	stand comp
279	WT-22-673a	Level forest opening, flooded, adjacent to current mine site.	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		2b	
555	WT-22-674		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
556	WT-22-674a		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000			
450	WT-22-675		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
451	WT-22-675a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
280	WT-22-676		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
518	WT-22-676a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
519	WT-22-676b		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
198	WT-22-679	South of Tatelkuz lake	RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		2a	
106	WT-22-687		RNI.DVA	ESSF	ESSFmv1		6.00000000000	331.00000000000		2b	
336	WT-22-687a		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
367	WT-22-721		RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000			
633	WT-22-755		RNI.DVA	SBS	SBSmc3		0.00000000000	0.00000000000		6	C
281	WT-22-777	North of Davidson creek	RNI.DVA	ESSF	ESSFmv1		0.00000000000	0.00000000000		6	
629	WT-22-783		RNI.DVA	SBS	SBSmc2		0.00000000000	0.00000000000		5	C
758	WT-22-814		RNI.DVA	SBS	SBSdk		0.00000000000	0.00000000000			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
393	CH100						0	0		0		0	0
395	CH101						0	0		0		0	0
396	CH102						0	0		0		0	0
397	CH103						0	0		0		0	0
398	CH104						0	0		0		0	0
1	Lake 15/16	o	LV	CC	hmk	md	0	0		0		0	0
2	MC01		LV	ST			0	0		0		0	0
3	MC02		LV	ST			0	0		0		0	0
4	MC03	o	LV	ST			0	0		0		0	0
107	MC04						0	0		0		0	0
5	MC05		LV	ST			0	0		0		0	0
6	MC06		LV	ST			0	0		0		0	0
7	MC07		LV	ST			0	0		0		0	0
8	MC08	o	LV	ST			0	0		0		0	0
108	MC09						0	0		0		0	0
109	MC10						0	0		0		0	0
802	MC100						0	0		0		0	0
801	MC101						0	0		0		0	0
800	MC102						0	0		0		0	0
797	MC103						0	0		0		0	0
783	MC104						0	0		0		0	0
781	MC105						0	0		0		0	0
779	MC106						0	0		0		0	0
784	MC107	o					0	0		0		0	0
782	MC108						0	0		0		0	0
792	MC109						0	0		0		0	0
9	MC11		LV	ST			0	0		0		0	0
778	MC110						0	0		0		0	0
780	MC111						0	0		0		0	0
787	MC111a						0	0		0		0	0
790	MC113						0	0		0		0	0
785	MC114						0	0		0		0	0
791	MC115						0	0		0		0	0
796	MC116	o					0	0		0		0	0
788	MC117						0	0		0		0	0
794	MC118						0	0		0		0	0
786	MC119						0	0		0		0	0
10	MC12		LV	ST			0	0		0		0	0
789	MC120						0	0		0		0	0
795	MC121						0	0		0		0	0
799	MC122						0	0		0		0	0
295	MC123						0	0		0		0	0
296	MC124						0	0		0		0	0
798	MC125						0	0		0		0	0
110	MC13						0	0		0		0	0
11	MC14		LV	ST			0	0		0		0	0
111	MC15						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
12	MC16		LV	ST			0	0		0		0	0
112	MC17						0	0		0		0	0
113	MC18						0	0		0		0	0
114	MC19						0	0		0		0	0
13	MC20	o	DP	CC	hmk	sl	0	0		0		0	0
14	MC21	o	LV	ST	hmk	sl	0	0		0		0	0
15	MC22		LV	ST	hmk	md	0	0		0		0	0
16	MC23		LV	ST			0	0		0		0	0
17	MC24		LV	ST			0	0		0		0	0
115	MC25	o					0	0		0		0	0
18	MC26		LV	ST			0	0		0		0	0
19	MC27	o	LV	ST	hmk	md	0	0		0		0	0
20	MC28		LV	ST	hmk	sl	0	0		0		0	0
116	MC29						0	0		0		0	0
21	MC30		LV	ST			0	0		0		0	0
22	MC31		LV	ST	hmk	md	0	0		0		0	0
117	MC32						0	0		0		0	0
23	MC33		LV	ST			0	0		0		0	0
24	MC34	o	LV	ST	mnd	md	0	0		0		0	0
289	WT100						0	0		0		0	0
290	WT101						0	0		0		0	0
300	WT102						0	0		0		0	0
305	WT103						0	0		0		0	0
350	WT104						0	0		0		0	0
354	WT105						0	0		0		0	0
355	WT106						0	0		0		0	0
392	WT108						0	0		0		0	0
417	WT109						0	0		0		0	0
445	WT110						0	0		0		0	0
446	WT111						0	0		0		0	0
458	WT112						0	0		0		0	0
459	WT113						0	0		0		0	0
461	WT114						0	0		0		0	0
462	WT115						0	0		0		0	0
463	WT116						0	0		0		0	0
465	WT117						0	0		0		0	0
466	WT118						0	0		0		0	0
470	WT119						0	0		0		0	0
473	WT120						0	0		0		0	0
474	WT121						0	0		0		0	0
488	WT122						0	0		0		0	0
493	WT123						0	0		0		0	0
497	WT124						0	0		0		0	0
498	WT125	s					0	0		0		0	0
499	WT126						0	0		0		0	0
528	WT127						0	0		0		0	0
545	WT128	s					0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
546	WT129						0	0		0		0	0
549	WT130						0	0		0		0	0
551	WT131						0	0		0		0	0
568	WT132						0	0		0		0	0
569	WT133						0	0		0		0	0
578	WT134						0	0		0		0	0
579	WT135						0	0		0		0	0
580	WT136						0	0		0		0	0
597	WT137	o					0	0		0		0	0
599	WT138						0	0		0		0	0
603	WT139						0	0		0		0	0
404	WT140	o					0	0		0		0	0
405	WT141						0	0		0		0	0
617	WT142						0	0		0		0	0
621	WT143	s					0	0		0		0	0
628	WT144						0	0		0		0	0
649	WT147						0	0		0		0	0
650	WT148						0	0		0		0	0
678	WT149						0	0		0		0	0
774	WT150						0	0		0		0	0
776	WT151						0	0		0		0	0
777	WT152						0	0		0		0	0
752	WT153						0	0		0		0	0
754	WT154						0	0		0		0	0
756	WT155						0	0		0		0	0
757	WT156						0	0		0		0	0
766	WT159						0	0		0		0	0
773	WT160						0	0		0		0	0
293	WT161						0	0		0		0	0
662	WT162						0	0		0		0	0
669	WT163						0	0		0		0	0
721	WT164						0	0		0		0	0
722	WT165						0	0		0		0	0
727	WT166						0	0		0		0	0
729	WT167						0	0		0		0	0
730	WT168						0	0		0		0	0
732	WT169						0	0		0		0	0
735	WT170						0	0		0		0	0
737	WT171						0	0		0		0	0
741	WT172						0	0		0		0	0
611	WT-22-001a						0	0		0		0	0
25	WT-22-003						0	0	0	0	60	50	3
426	WT-22-003a						0	0		0		0	0
428	WT-22-003b						0	0		0		0	0
429	WT-22-003c						0	0		0		0	0
430	WT-22-003d						0	0		0		0	0
408	WT-22-004						0	0		0		0	0
420	WT-22-004a	o					0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
421	WT-22-008						0	0		0		0	0
422	WT-22-008a						0	0		0		0	0
423	WT-22-008b						0	0		0		0	0
424	WT-22-008c						0	0		0		0	0
425	WT-22-008d	s					0	0		0		0	0
427	WT-22-008e	o					0	0		0		0	0
26	WT-22-011		LV	ST			0	0	0	20	45	85	20
119	WT-22-012a						0	0		0		0	0
400	WT-22-012b						0	0		0		0	0
401	WT-22-012c						0	0		0		0	0
613	WT-22-014						0	0		0		0	0
614	WT-22-014a						0	0		0		0	0
27	WT-22-015		LV	CC			0	0		0		0	0
399	WT-22-015a						0	0		0		0	0
402	WT-22-015b						0	0		0		0	0
403	WT-22-015c						0	0		0		0	0
406	WT-22-015d						0	0		0		0	0
407	WT-22-015e						0	0		0		0	0
612	WT-22-016						0	0		0		0	0
409	WT-22-017						0	0		0		0	0
411	WT-22-022						0	0		0		0	0
28	WT-22-023		DP	CC			0	0	0	0	0	0	0
618	WT-22-023a						0	0		0		0	0
623	WT-22-025						0	0		0		0	0
622	WT-22-026						0	0		0		0	0
29	WT-22-027		DP	CC			0	0	0	0	0	0	0
624	WT-22-028						0	0		0		0	0
625	WT-22-028a						0	0		0		0	0
626	WT-22-028b						0	0		0		0	0
627	WT-22-028c						0	0		0		0	0
619	WT-22-030						0	0		0		0	0
620	WT-22-030a	m					0	0		0		0	0
120	WT-22-031						0	20	25	0	35	90	100
638	WT-22-031a	m					0	0		0		0	0
121	WT-22-033						0	0	0	0	0	0	0
630	WT-22-033a	t					0	0		0		0	0
632	WT-22-034	m					0	0		0		0	0
122	WT-22-036		DP	CC			0	0	0	0	0	0	0
123	WT-22-039	m	GU	CC			0	0	0	0	0	0	0
124	WT-22-042		LV	CC			0	0	0	0	0	0	0
635	WT-22-043						0	0		0		0	0
412	WT-22-044	t					0	0		0		0	0
292	WT-22-045						0	0		0		0	0
30	WT-22-046		LV	CC	cha	md	0	0	0	10	60	80	1
676	WT-22-046a						0	0		0		0	0
677	WT-22-046b	m					0	0		0		0	0
674	WT-22-047	t					0	0		0		0	0
673	WT-22-048						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
704	WT-22-049						0	0		0		0	0
637	WT-22-052						0	0		0		0	0
126	WT-22-054						0	0	0	0	0	0	0
671	WT-22-054a						0	0		0		0	0
681	WT-22-054b						0	0		0		0	0
31	WT-22-055		LV	ST			0	0	0	0	35	60	5
679	WT-22-055a						0	0		0		0	0
680	WT-22-055b						0	0		0		0	0
127	WT-22-056c			ST			0	0	0	0	0	0	0
128	WT-22-057		LV	ST	hmk	sl	0	0	0	0	0	0	0
684	WT-22-057a						0	0		0		0	0
686	WT-22-059						0	0		0		0	0
775	WT-22-061						0	0		0		0	0
129	WT-22-062			ST			0	0	0	0	0	0	0
695	WT-22-062a						0	0		0		0	0
696	WT-22-062b						0	0		0		0	0
656	WT-22-063	t					0	0		0		0	0
654	WT-22-064						0	0		0		0	0
639	WT-22-066	t					0	0		0		0	0
644	WT-22-066a						0	0		0		0	0
655	WT-22-067						0	0		0		0	0
32	WT-22-069	o	GU	CC			0	0	0	0	0	0	0
643	WT-22-069a						0	0		0		0	0
641	WT-22-070	o					0	0		0		0	0
33	WT-22-071		DP	CC	hmk	ex	0	0	0	0	0	0	0
772	WT-22-073						0	0		0		0	0
771	WT-22-074						0	0		0		0	0
770	WT-22-075						0	0		0		0	0
769	WT-22-076						0	0		0		0	0
767	WT-22-078						0	0		0		0	0
768	WT-22-079						0	0		0		0	0
763	WT-22-083						0	0		0		0	0
764	WT-22-084						0	0		0		0	0
761	WT-22-087						0	0		0		0	0
755	WT-22-089						0	0		0		0	0
753	WT-22-091						0	0		0		0	0
657	WT-22-094						0	0		0		0	0
658	WT-22-094a						0	0		0		0	0
664	WT-22-096						0	0		0		0	0
663	WT-22-097						0	0		0		0	0
282	WT-22-099		DP	CC			0	0	0	0	0	0	0
661	WT-22-100	o					0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
34	WT-22-101	t	GU	CC			0	0	0	0	0	0	0
750	WT-22-102						0	0		0		0	0
748	WT-22-105						0	0		0		0	0
667	WT-22-106						0	0		0		0	0
665	WT-22-107						0	0		0		0	0
666	WT-22-107a	m					0	0		0		0	0
668	WT-22-108	C					0	0		0		0	0
745	WT-22-109						0	0		0		0	0
742	WT-22-110						0	0		0		0	0
740	WT-22-114						0	0		0		0	0
739	WT-22-115						0	0		0		0	0
738	WT-22-116						0	0		0		0	0
736	WT-22-118						0	0		0		0	0
689	WT-22-119						0	0		0		0	0
690	WT-22-119a						0	0		0		0	0
130	WT-22-123	m	LV	CV	und	sl	0	15	10	50	30	20	10
294	WT-22-125						0	0		0		0	0
131	WT-22-126	m					0	0	0	0	0	0	0
733	WT-22-128						0	0		0		0	0
731	WT-22-129						0	0		0		0	0
726	WT-22-130						0	0		0		0	0
728	WT-22-130a						0	0		0		0	0
724	WT-22-132						0	0		0		0	0
725	WT-22-132a						0	0		0		0	0
705	WT-22-137						0	0		0		0	0
132	WT-22-138						0	0	0	0	0	0	0
707	WT-22-139						0	0		0		0	0
708	WT-22-142						0	0		0		0	0
718	WT-22-143						0	0		0		0	0
716	WT-22-144						0	0		0		0	0
717	WT-22-145						0	0		0		0	0
710	WT-22-146						0	0		0		0	0
35	WT-22-148	m	GU	CC			0	0	0	0	0	0	0
651	WT-22-151						0	0		0		0	0
682	WT-22-152						0	0		0		0	0
133	WT-22-153	m	LV				0	0	0	0	0	0	0
751	WT-22-154						0	0		0		0	0
648	WT-22-156						0	0		0		0	0
634	WT-22-157						0	0		0		0	0
747	WT-22-160						0	0		0		0	0
134	WT-22-161	t	LV	ST			0	0	0	0	0	0	0
36	WT-22-163		MD	ST			0	0	0	0	0	0	0
135	WT-22-164						0	0	0	0	0	0	0
734	WT-22-165						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
687	WT-22-166						0	0		0		0	0
746	WT-22-168						0	0		0		0	0
136	WT-22-170						0	20	20	0	10	80	15
685	WT-22-171						0	0		0		0	0
137	WT-22-173						0	0	0	0	0	0	0
155	WT-22-173a						0	0	0	0	0	0	0
703	WT-22-174						0	0		0		0	0
410	WT-22-179						0	0		0		0	0
636	WT-22-180						0	0		0		0	0
138	WT-22-184a	m	TO	ST			0	0	0	0	0	0	0
693	WT-22-185						0	0		0		0	0
694	WT-22-186						0	0		0		0	0
653	WT-22-188						0	0		0		0	0
609	WT-22-189	o					0	0		0		0	0
139	WT-22-190	o	DP	CC	hmk	md	0	0	0	0	0	0	0
37	WT-22-191	s	DP	CC	hmk	st	0	0	0	0	0	0	0
547	WT-22-191a						0	0		0		0	0
548	WT-22-191b						0	0		0		0	0
550	WT-22-191c						0	0		0		0	0
539	WT-22-192	m					0	0		0		0	0
544	WT-22-192a						0	0		0		0	0
600	WT-22-193	o					0	0		0		0	0
38	WT-22-194		LW	CC	gul		0	0		0		0	0
307	WT-22-194a						0	0		0		0	0
308	WT-22-194b						0	0		0		0	0
140	WT-22-195		DP	CC	hmk	md	0	0	0	0	0	0	0
141	WT-22-196	t	LV	ST			0	0	0	0	0	0	0
607	WT-22-199						0	0		0		0	0
142	WT-22-201	o	LV	ST			0	0		0		0	0
39	WT-22-202	m	LV	ST	mnd	st	0	30	0	0	20	80	70
414	WT-22-202a						0	0		0		0	0
415	WT-22-202b						0	0		0		0	0
416	WT-22-202c						0	0		0		0	0
576	WT-22-202d						0	0		0		0	0
577	WT-22-202e						0	0		0		0	0
40	WT-22-204		DP	CC	hmk	st	0	25	25	0	80	80	80
538	WT-22-204a						0	0		0		0	0
540	WT-22-205						0	0		0		0	0
541	WT-22-205a						0	0		0		0	0
537	WT-22-206						0	0		0		0	0
536	WT-22-207	o					0	0		0		0	0
41	WT-22-209	o	LV	ST	hmk	md	0	0		0		0	0
581	WT-22-212						0	0		0		0	0
582	WT-22-213	s					0	0		0		0	0
583	WT-22-213a	s					0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
143	WT-22-215		DP	CC			0	0	0	0	0	0	0
309	WT-22-219						0	0		0		0	0
252	WT-22-219a						0	0		0		0	0
42	WT-22-220		LW	CC	gul		0	0		0		0	0
310	WT-22-220a						0	0		0		0	0
601	WT-22-223	o					0	0		0		0	0
602	WT-22-223a						0	0		0		0	0
605	WT-22-223b						0	0		0		0	0
606	WT-22-223c						0	0		0		0	0
608	WT-22-223d						0	0		0		0	0
604	WT-22-224	o					0	0		0		0	0
144	WT-22-226						0	0	0	0	0	0	0
145	WT-22-227						0	0		0		0	0
43	WT-22-227a		LW	CC	gul		0	0		0		0	0
306	WT-22-227b						0	0		0		0	0
535	WT-22-227c	m					0	0		0		0	0
554	WT-22-228						0	0		0		0	0
552	WT-22-229						0	0		0		0	0
553	WT-22-229a						0	0		0		0	0
543	WT-22-231	o					0	0		0		0	0
610	WT-22-232	o					0	0		0		0	0
44	WT-22-236						0	0	0	0	0	0	0
615	WT-22-238						0	0		0		0	0
616	WT-22-239						0	0		0		0	0
631	WT-22-243						0	0		0		0	0
146	WT-22-244	m	GU	CC			0	0	0	0	0	0	0
147	WT-22-246						0	0	0	0	0	0	0
125	WT-22-247			CC			0	0	0	0	0	0	0
148	WT-22-249	m					0	0	0	0	0	0	0
149	WT-22-250			ST	hmk	md	0	0	0	0	0	0	0
683	WT-22-250a						0	0		0		0	0
150	WT-22-252						0	0	0	0	0	0	0
697	WT-22-252a						0	0		0		0	0
645	WT-22-255						0	0		0		0	0
646	WT-22-255a						0	0		0		0	0
647	WT-22-256						0	0		0		0	0
642	WT-22-257a						0	0		0		0	0
765	WT-22-259						0	0		0		0	0
762	WT-22-263						0	0		0		0	0
151	WT-22-268	t	GU	CC			0	0	0	0	0	0	0
659	WT-22-269						0	0		0		0	0
759	WT-22-273						0	0		0		0	0
760	WT-22-273a						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
660	WT-22-279	o					0	0		0		0	0
749	WT-22-283						0	0		0		0	0
152	WT-22-284	m					0	0	0	0	0	0	0
153	WT-22-285	o	GU	CC			0	0	0	0	0	0	0
744	WT-22-286						0	0		0		0	0
743	WT-22-287						0	0		0		0	0
670	WT-22-291						0	0		0		0	0
698	WT-22-294						0	0		0		0	0
701	WT-22-295						0	0		0		0	0
700	WT-22-296						0	0		0		0	0
154	WT-22-298						0	0	0	0	0	0	0
702	WT-22-298a						0	0		0		0	0
723	WT-22-307						0	0		0		0	0
720	WT-22-309						0	0		0		0	0
45	WT-22-311		LV	CC			0	0	0	0	0	0	0
706	WT-22-312						0	0		0		0	0
156	WT-22-313						0	0	0	0	0	0	0
719	WT-22-315						0	0		0		0	0
712	WT-22-316						0	0		0		0	0
715	WT-22-317						0	0		0		0	0
713	WT-22-318						0	0		0		0	0
714	WT-22-319	o					0	0		0		0	0
711	WT-22-320						0	0		0		0	0
709	WT-22-321						0	0		0		0	0
157	WT-22-323						0	0	0	0	0	0	0
584	WT-22-325						0	0		0		0	0
585	WT-22-326						0	0		0		0	0
158	WT-22-328	t	LW	CC			0	0		0		0	0
159	WT-22-329						0	0		0		0	0
366	WT-22-329a						0	0		0		0	0
471	WT-22-330						0	0		0		0	0
46	WT-22-332		LV	ST			0	0		0		0	0
160	WT-22-332a						0	0		0		0	0
388	WT-22-332b						0	0		0		0	0
47	WT-22-333		LW	CC			0	0	0	0	0	0	0
500	WT-22-334						0	0		0		0	0
501	WT-22-334a						0	0		0		0	0
502	WT-22-334b						0	0		0		0	0
161	WT-22-336						0	0		0		0	0
491	WT-22-336a						0	0		0		0	0
492	WT-22-336b						0	0		0		0	0
490	WT-22-338a						0	0		0		0	0
118	WT-22-338b						0	0	0	0	0	0	0
162	WT-22-338b1						0	0	0	0	0	0	0
164	WT-22-338b10						0	0	0	0	0	0	0
489	WT-22-338b2						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
512	WT-22-338b3						0	0		0		0	0
514	WT-22-338b4						0	0		0		0	0
520	WT-22-338b5						0	0		0		0	0
521	WT-22-338b6						0	0		0		0	0
529	WT-22-338b7						0	0		0		0	0
530	WT-22-338b8						0	0		0		0	0
163	WT-22-338b9						0	0	0	0	0	0	0
165	WT-22-341						0	0		0		0	0
284	WT-22-343						0	0		0		0	0
571	WT-22-343a						0	0		0		0	0
572	WT-22-343b						0	0		0		0	0
573	WT-22-343c						0	0		0		0	0
574	WT-22-343d						0	0		0		0	0
48	WT-22-345		GU	CC			0	0		0		0	0
166	WT-22-345a	o	GU	CC			0	0		0		0	0
342	WT-22-345b						0	0		0		0	0
343	WT-22-345c						0	0		0		0	0
344	WT-22-345d						0	0		0		0	0
167	WT-22-347						0	0		0		0	0
304	WT-22-347a						0	0		0		0	0
49	WT-22-348		LV	ST	tus		0	0		0		0	0
168	WT-22-348a						0	0		0		0	0
303	WT-22-348a2						0	0		0		0	0
333	WT-22-349						0	0		0		0	0
263	WT-22-349a						0	0		0		0	0
169	WT-22-350						0	0		0		0	0
337	WT-22-350a						0	0		0		0	0
443	WT-22-351						0	0		0		0	0
444	WT-22-351a						0	0		0		0	0
431	WT-22-352						0	0		0		0	0
433	WT-22-352a						0	0		0		0	0
434	WT-22-352b						0	0		0		0	0
435	WT-22-352c						0	0		0		0	0
436	WT-22-352d						0	0		0		0	0
437	WT-22-352e						0	0		0		0	0
438	WT-22-352f						0	0		0		0	0
440	WT-22-352g						0	0		0		0	0
441	WT-22-352h						0	0		0		0	0
442	WT-22-352i						0	0		0		0	0
171	WT-22-353b	o	DP				0	0	0	0	0	0	0
170	WT-22-353c						0	0	0	0	0	0	0
172	WT-22-354						0	0	0	0	0	0	0
467	WT-22-354a						0	0		0		0	0
50	WT-22-355	m	GU	CC	mnd	st	10	15	1900-01-05	5	1900-01-20	80	45
351	WT-22-355av						0	0		0		0	0
347	WT-22-356						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
349	WT-22-356a						0	0		0		0	0
525	WT-22-357						0	0		0		0	0
173	WT-22-358a	m	LV	CC			0	0	0	0	0	0	0
505	WT-22-358a1						0	0		0		0	0
506	WT-22-358a2						0	0		0		0	0
507	WT-22-358a3						0	0		0		0	0
504	WT-22-358b						0	0		0		0	0
174	WT-22-358c	o	DP	CC	mnd	md	0	0	0	0	0	0	0
175	WT-22-359						0	0	0	0	0	0	0
587	WT-22-359a						0	0		0		0	0
586	WT-22-359b						0	0		0		0	0
591	WT-22-360						0	0		0		0	0
176	WT-22-361b	s	GU	CC			0	0		0		0	0
487	WT-22-362a						0	0		0		0	0
177	WT-22-362b						0	0		0		0	0
370	WT-22-362b1						0	0		0		0	0
371	WT-22-362b2						0	0		0		0	0
178	WT-22-363						0	0		0		0	0
340	WT-22-363a						0	0		0		0	0
179	WT-22-364						0	0		0		0	0
341	WT-22-364v						0	0		0		0	0
180	WT-22-365						0	0		0		0	0
381	WT-22-365a						0	0		0		0	0
51	WT-22-367		GU	CC			0	0		15	1900-03-10	50	35
348	WT-22-367a						0	0		0		0	0
447	WT-22-371						0	0		0		0	0
449	WT-22-371a						0	0		0		0	0
52	WT-22-373		DP	CC			0	0		0		0	0
368	WT-22-373a						0	0		0		0	0
369	WT-22-373b						0	0		0		0	0
181	WT-22-379						0	0		0		0	0
391	WT-22-379a						0	0		0		0	0
182	WT-22-380						0	0		0		0	0
390	WT-22-380a						0	0		0		0	0
183	WT-22-381						0	0		0		0	0
387	WT-22-381a						0	0		0		0	0
184	WT-22-382						0	0		0		0	0
380	WT-22-382a						0	0		0		0	0
185	WT-22-383	o					0	0	0	0	0	0	0
531	WT-22-383a						0	0		0		0	0
532	WT-22-383b						0	0		0		0	0
53	WT-22-390a	t	DP	CC			0	0	0	0	0	0	0
472	WT-22-390b						0	0		0		0	0
524	WT-22-390b1						0	0		0		0	0
54	WT-22-391		DP	CC			0	0	0	0	0	0	0
291	WT-22-391a						0	0		0		0	0
186	WT-22-392						0	0		0		0	0
187	WT-22-392a						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
188	WT-22-392b						0	0		0		0	0
302	WT-22-392c						0	0		0		0	0
509	WT-22-393						0	0		0		0	0
189	WT-22-394						0	0		0		0	0
190	WT-22-395						0	0		0		0	0
374	WT-22-395a						0	0		0		0	0
593	WT-22-396						0	0		0		0	0
191	WT-22-397						0	0	0	0	0	0	0
192	WT-22-397a						0	0	0	0	0	0	0
588	WT-22-397b						0	0		0		0	0
589	WT-22-397c						0	0		0		0	0
55	WT-22-398		DP	CC			0	0		0		0	0
287	WT-22-398a						0	0		0		0	0
56	WT-22-399		DP	CC			0	0	0	0	0	0	0
57	WT-22-403	m	GU	ST	mnd	st	0	0		0		0	0
193	WT-22-404						0	0		0		0	0
335	WT-22-404a						0	0		0		0	0
58	WT-22-405		LV	ST			0	0		0		0	0
334	WT-22-405a						0	0		0		0	0
194	WT-22-406						0	0		0		0	0
195	WT-22-406a						0	0		0		0	0
329	WT-22-406b						0	0		0		0	0
330	WT-22-406c						0	0		0		0	0
196	WT-22-407		DP	CC			0	0	0	0	0	0	0
197	WT-22-409	m					0	0	0	0	0	0	0
468	WT-22-409a						0	0		0		0	0
469	WT-22-409b						0	0		0		0	0
476	WT-22-410						0	0		0		0	0
475	WT-22-411						0	0		0		0	0
283	WT-22-413						0	0		0		0	0
480	WT-22-414						0	0		0		0	0
483	WT-22-414a						0	0		0		0	0
484	WT-22-414b						0	0		0		0	0
199	WT-22-416						0	0		0		0	0
200	WT-22-416a						0	0		0		0	0
324	WT-22-416b						0	0		0		0	0
59	WT-22-417		LV	ST			0	0		0		0	0
319	WT-22-417a						0	0		0		0	0
60	WT-22-422		DP	CC			0	0	0	0	0	0	0
61	WT-22-423		DP	CC			0	0	0	0	0	0	0
288	WT-22-423a						0	0		0		0	0
201	WT-22-424						0	0		0		0	0
62	WT-22-424a		LV	ST			0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
315	WT-22-424b						0	0		0		0	0
202	WT-22-425						0	0		0		0	0
317	WT-22-425a						0	0		0		0	0
311	WT-22-426						0	0		0		0	0
286	WT-22-427						0	0		0		0	0
203	WT-22-428						0	0	0	0	0	0	0
566	WT-22-428a						0	0		0		0	0
63	WT-22-429		DP	CC			0	0	0	0	0	0	0
559	WT-22-430						0	0		0		0	0
560	WT-22-430a						0	0		0		0	0
561	WT-22-430b						0	0		0		0	0
64	WT-22-431	m	LW	ST			0	0	0	0	0	0	0
65	WT-22-436		DP	CC			0	0	0	0	0	85	2
204	WT-22-438		DP	CC			0	0	0	0	0	0	0
357	WT-22-439						0	0		0		0	0
205	WT-22-440		DP	CC			0	0	0	0	0	0	0
206	WT-22-441		DP	CC			0	0	0	0	0	0	0
207	WT-22-442		DP	CC			0	0	0	0	0	0	0
66	WT-22-443	o	DP	CC			0	0	0	0	0	0	0
208	WT-22-444						0	0		0		0	0
209	WT-22-446						0	0		0		0	0
210	WT-22-447						0	0		0		0	0
67	WT-22-449		DP	CC			0	0	0	0	0	0	0
211	WT-22-450	m	LW	ST			0	0	0	0	0	0	0
598	WT-22-450a						0	0		0		0	0
212	WT-22-451						0	0	0	0	0	0	0
596	WT-22-451a						0	0		0		0	0
68	WT-22-453		LV	CV	mnd	md	0	0		0		0	0
69	WT-22-455		TO	CC	cha		0	0		0		0	0
213	WT-22-456	o	LV	ST			0	0	0	0	0	0	0
534	WT-22-456a						0	0		0		0	0
557	WT-22-458						0	0		0		0	0
495	WT-22-459						0	0		0		0	0
70	WT-22-465		LW	CC			0	0		0		0	0
318	WT-22-465a						0	0		0		0	0
562	WT-22-465b						0	0		0		0	0
563	WT-22-465c						0	0		0		0	0
71	WT-22-467	m	MD	CC			0	0		0		0	0
413	WT-22-467a						0	0		0		0	0
72	WT-22-479	m	MD	ST			0	0	0	0	0	0	0
214	WT-22-479a						0	0	0	0	0	0	0
73	WT-22-480		LV	ST			0	0		0		0	0
376	WT-22-480a						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
74	WT-22-481		LV	ST			0	0		0		0	0
215	WT-22-481a						0	0		0		0	0
378	WT-22-481b						0	0		0		0	0
379	WT-22-481c						0	0		0		0	0
356	WT-22-482						0	0		0		0	0
216	WT-22-494						0	0		0		0	0
217	WT-22-495						0	0		0		0	0
372	WT-22-495a						0	0		0		0	0
218	WT-22-496						0	0		0		0	0
373	WT-22-496a						0	0		0		0	0
75	WT-22-497		DP	CC			0	0		0		0	0
375	WT-22-497a						0	0		0		0	0
219	WT-22-498						0	0		0		0	0
220	WT-22-499						0	0		0		0	0
221	WT-22-500						0	0		0		0	0
222	WT-22-501						0	0		0		0	0
223	WT-22-502						0	0		0		0	0
224	WT-22-503						0	0		0		0	0
358	WT-22-503a						0	0		0		0	0
359	WT-22-503b						0	0		0		0	0
360	WT-22-503c						0	0		0		0	0
361	WT-22-503d						0	0		0		0	0
76	WT-22-504	o	GU	ST	hmk	sl	0	0		0		0	0
225	WT-22-505						0	0		0		0	0
226	WT-22-506						0	0		0		0	0
595	WT-22-507						0	0		0		0	0
227	WT-22-509	o	LW	CC			0	0	0	0	0	0	0
77	WT-22-510a	m	LV	ST			0	0	0	0	0	0	0
228	WT-22-510b	t					0	0	0	0	0	0	0
533	WT-22-510c						0	0		0		0	0
229	WT-22-511						0	0		0		0	0
386	WT-22-511a						0	0		0		0	0
230	WT-22-512						0	0		0		0	0
383	WT-22-512a						0	0		0		0	0
384	WT-22-512b						0	0		0		0	0
385	WT-22-512c						0	0		0		0	0
231	WT-22-513						0	0		0		0	0
382	WT-22-513a						0	0		0		0	0
232	WT-22-514						0	0		0		0	0
377	WT-22-514a						0	0		0		0	0
233	WT-22-515						0	0		0		0	0
389	WT-22-515a						0	0		0		0	0
494	WT-22-516						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
234	WT-22-517		DP	CC			0	0	0	0	0	0	0
78	WT-22-518		DP	CC			0	0	0	0	10	65	75
79	WT-22-519		DP	CC			0	0	0	0	0	85	90
496	WT-22-520						0	0		0		0	0
235	WT-22-521		DP	CC			0	0	0	0	0	0	0
236	WT-22-522		DP	CC			0	0	0	0	0	0	0
237	WT-22-523						0	0	0	0	0	0	0
238	WT-22-524	o	DP	CC	mnd	st	0	0	0	0	0	0	0
564	WT-22-531						0	0		0		0	0
313	WT-22-532						0	0		0		0	0
239	WT-22-533						0	0	0	0	0	0	0
567	WT-22-533a						0	0		0		0	0
240	WT-22-534						0	0	0	0	0	0	0
565	WT-22-534a						0	0		0		0	0
80	WT-22-535		LW	ST			0	0	0	0	0	0	0
241	WT-22-540						0	0	0	0	0	0	0
558	WT-22-540a						0	0		0		0	0
242	WT-22-556						0	0		0		0	0
362	WT-22-556a						0	0		0		0	0
363	WT-22-556b						0	0		0		0	0
364	WT-22-556c						0	0		0		0	0
365	WT-22-556d						0	0		0		0	0
243	WT-22-557						0	0	0	0	0	0	0
513	WT-22-557a						0	0		0		0	0
244	WT-22-558						0	0	0	0	0	0	0
511	WT-22-558a						0	0		0		0	0
81	WT-22-559	m	LV	ST			0	0	0	0	0	0	0
516	WT-22-560						0	0		0		0	0
517	WT-22-560b						0	0		0		0	0
245	WT-22-561						0	0	0	0	0	0	0
515	WT-22-561a						0	0		0		0	0
82	WT-22-569	o	LV	CC			0	0		0		0	0
418	WT-22-570						0	0		0		0	0
83	WT-22-570a		DP	CC			0	0		0		0	0
419	WT-22-571						0	0		0		0	0
246	WT-22-572						0	0		0		0	0
570	WT-22-583						0	0		0		0	0
575	WT-22-584						0	0		0		0	0
247	WT-22-589						0	0		0		0	0
526	WT-22-591						0	0		0		0	0
248	WT-22-592						0	0		0		0	0
352	WT-22-592a						0	0		0		0	0
249	WT-22-593						0	0		0		0	0
353	WT-22-593a						0	0		0		0	0
84	WT-22-594	o	LW	ST			0	25		0	1900-02-28	65	45

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
250	WT-22-594a						0	0		0		0	0
345	WT-22-594b						0	0		0		0	0
346	WT-22-594c						0	0		0		0	0
85	WT-22-595		DP	CC			0	0		0		0	0
508	WT-22-612						0	0		0		0	0
510	WT-22-613						0	0		0		0	0
522	WT-22-616						0	0		0		0	0
86	WT-22-618	m	LW	ST			0	0	0	0	0	0	0
523	WT-22-618a						0	0		0		0	0
87	WT-22-619		LV	ST			0	0		0		0	0
88	WT-22-620		DP	CC			0	0		0		0	0
253	WT-22-620a						0	0		0		0	0
254	WT-22-621						0	0		0		0	0
255	WT-22-621a						0	0		0		0	0
301	WT-22-621b						0	0		0		0	0
89	WT-22-621c		LW	CC			0	0		0		0	0
90	WT-22-623		DP	CC			0	0		0		0	0
256	WT-22-623a						0	0		0		0	0
257	WT-22-623b						0	0		0		0	0
91	WT-22-624		LV	CC			0	0		0		0	0
258	WT-22-624a						0	0		0		0	0
259	WT-22-626						0	0		0		0	0
92	WT-22-627		DP	CC			0	0		0		0	0
93	WT-22-629		DP	CC	und		0	0		0		0	0
260	WT-22-630						0	0		0		0	0
261	WT-22-631						0	0		0		0	0
262	WT-22-632						0	0		0		0	0
94	WT-22-633		DP	CC			0	0		0		0	0
527	WT-22-634						0	0		0		0	0
95	WT-22-635	m	LW	CC			0	0	0	0	0	0	0
96	WT-22-636		DP	CC			0	0		0		0	0
332	WT-22-637						0	0		0		0	0
97	WT-22-638		LV	ST			0	0		0		0	0
331	WT-22-638a						0	0		0		0	0
98	WT-22-639		DP	CC			0	0		0		0	0
264	WT-22-639a						0	0		0		0	0
327	WT-22-639b						0	0		0		0	0
328	WT-22-639c						0	0		0		0	0
326	WT-22-640						0	0		0		0	0
265	WT-22-641						0	0		0		0	0
339	WT-22-641a						0	0		0		0	0
266	WT-22-642						0	0		0		0	0
338	WT-22-642a						0	0		0		0	0
267	WT-22-643						0	0		0		0	0
325	WT-22-643a						0	0		0		0	0
268	WT-22-644						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
320	WT-22-644a						0	0		0		0	0
251	WT-22-645						0	0		0		0	0
323	WT-22-645a						0	0		0		0	0
269	WT-22-646						0	0		0		0	0
270	WT-22-646a						0	0		0		0	0
321	WT-22-646b						0	0		0		0	0
322	WT-22-646c						0	0		0		0	0
481	WT-22-647						0	0		0		0	0
482	WT-22-647a						0	0		0		0	0
485	WT-22-647b						0	0		0		0	0
486	WT-22-647c						0	0		0		0	0
455	WT-22-648						0	0		0		0	0
478	WT-22-648a						0	0		0		0	0
479	WT-22-649						0	0		0		0	0
477	WT-22-650						0	0		0		0	0
448	WT-22-651						0	0		0		0	0
99	WT-22-652		DP	CC			0	0	0	0	40	70	95
432	WT-22-652a						0	0		0		0	0
439	WT-22-653						0	0		0		0	0
271	WT-22-655						0	0	0	0	0	0	0
100	WT-22-656	o	TO	CC	mnd	sl	0	15	45	10	40	85	85
452	WT-22-656a						0	0		0		0	0
453	WT-22-656b						0	0		0		0	0
454	WT-22-656c						0	0		0		0	0
272	WT-22-657						0	0	0	0	0	0	0
460	WT-22-657a						0	0		0		0	0
101	WT-22-660	t	LV	ST			0	0	0	0	0	0	0
273	WT-22-660a						0	0	0	0	0	0	0
102	WT-22-661		LW	CV			0	0	0	0	0	0	0
103	WT-22-662	m	LW	ST			0	0	0	0	0	0	0
274	WT-22-662a						0	0	0	0	0	0	0
592	WT-22-662b						0	0		0		0	0
594	WT-22-662c						0	0		0		0	0
285	WT-22-664						0	0		0		0	0
275	WT-22-665						0	0		0		0	0
312	WT-22-665a						0	0		0		0	0
276	WT-22-666						0	0		0		0	0
314	WT-22-666a						0	0		0		0	0
316	WT-22-667						0	0		0		0	0
104	WT-22-669	o	DP	CC			0	0	0	0	0	0	0
277	WT-22-670		DP	CC	hmk	md	0	0	0	0	0	0	0
278	WT-22-671		DP	CC	hmk	md	0	0	0	0	0	0	0
105	WT-22-673		DP	CC			0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	canopy str	meso slope	surface sh	microtopog	microtop 1	veg total	veg total1	veg tota 1	veg tota 2	veg tota 3	veg tota 4	veg tota 5
279	WT-22-673a						0	0		0		0	0
555	WT-22-674						0	0		0		0	0
556	WT-22-674a						0	0		0		0	0
450	WT-22-675						0	0		0		0	0
451	WT-22-675a						0	0		0		0	0
280	WT-22-676						0	0	0	0	0	0	0
518	WT-22-676a						0	0		0		0	0
519	WT-22-676b						0	0		0		0	0
198	WT-22-679						0	0		0		0	0
106	WT-22-687		LW	ST			0	0		0		0	0
336	WT-22-687a						0	0		0		0	0
367	WT-22-721						0	0		0		0	0
633	WT-22-755	m					0	0		0		0	0
281	WT-22-777						0	0		0		0	0
629	WT-22-783	o					0	0		0		0	0
758	WT-22-814						0	0		0		0	0

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
393	CH100		Ws04 3b on creek edges then Ws07 5oC best fit	
395	CH101			
396	CH102		Grazed area was probably willow and/or spruce swamp	
397	CH103			
398	CH104		Wm01 grazed in patches between swamps	
1	Lake 15/16		Small bog connected to lake. Fish comp site.	
2	MC01		Marsh with fence and signs of old hay field.	
3	MC02		Modified bog. Drainage ditch bisects with intact bog on other side.	
4	MC03		Narrow swamp between modified Wm/Ws and bogs	
107	MC04		Large open fenced area with no weeds. Intact Wm01. Willow growing across fence line indicates it was partially cleared.	
5	MC05		Fl05. On slight levee y creek. High herb diversity. Narrated fringe along creek.	
6	MC06		No disturbance	
7	MC07		Transitional to Ws07 swamp. Mostly stunted white spruce.	
8	MC08		Old spruce swamp. Good condition	
108	MC09		Good condition. Wf02 3a moving to Wb community. Common in area	
109	MC10		Small Wf01 in large area of Wf02 3a (best fit). No disturbance. cow moose observed	
802	MC100		Wb05 6 With Sw.	
801	MC101		Wb05 3d Good Condition	
800	MC102		Transition To Upland Wet Forest	
797	MC103		Bog. Small Stunted Spruce	
783	MC104		Wf02 And Wb05 Well 2	
781	MC105		Wb05 Stunted Sb	
779	MC106		Old Field Wf01-like Wet Sedge Instal Soil	
784	MC107		Ws 5oC Sx Salix Swamp	
782	MC108		Wf02 3a	
792	MC109		Revise Wf02 To Wf07	
9	MC11		Wf02 3a best fit but poor fit. Floating mat with high diversity. No disturbances	
778	MC110		Old Cut Bog	
780	MC111		Treed Bog	
787	MC111a		Fl 3b With Some Mature Sw In Old Flood Channel	
790	MC113		Modified Wm01 Connects To Ditch	
785	MC114		3b Willow Fl	
791	MC115		Mostly Modified Wm01	
796	MC116		Ws 5oC And Thick Willow 3b	
788	MC117		Larger Trees Likely Ws07 Mature Swamp	
794	MC118		Wb05 3d	
786	MC119		Fl 3b Willow	
10	MC12		Cleared Fl on slight levee between creek and modified Wm01 old field	Some buried organic material. No sand/silt lenses
789	MC120		Modified Fen Or bog	
795	MC121		Wf03 3a Part Old Modified	
799	MC122		Swamp	
295	MC123		Start of old bog. Hummocks of peat moss and bog plants	
296	MC124		Upland forest	
798	MC125		Fl05 3b	
110	MC13		Good condition marsh in old pasture and hay field. No invasive. Fully functional. Ah shallower than expected.	
11	MC14		Ws04 3b best fit with sporadic mature Sw	
111	MC15		Modified old Fl or Ws. Jumble of grass and modified marsh like communities.	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
12	MC16		Wb05 with Sb and high salix cover. Wb05 good fit. Good condition. Moose use	
112	MC17		Modified Wf02. Old fence lines. Maybe some clearing.	
113	MC18		Modified fen by house. Likely was wf02 or Wf05 before cleared and grazed. Good condition	
114	MC19		Edge of large perfect condition Ws04 3b. Water too deep to safely access.	
13	MC20		Very good representation of Wb05 3d. Perfect condition.	
14	MC21			
15	MC22			
16	MC23			
17	MC24		Wm01 like old hay field. Likely was mostly willow swamp before clearing.	Hurried organics to 60cm and rich soil indicate field may have been plowed.
115	MC25		Very good condition. Mostly fringe on edge of complex.	
18	MC26		Perfect condition	
19	MC27			
20	MC28		Large fen grades into Wm01 with swamp or bog on edges	
116	MC29		Complex of Wm01 and Ws04 3a. Very good condition	
21	MC30			
22	MC31		Stunted Sb bog. High bird use. Good condition.	
117	MC32		Good condition. Small patches of Wf01 in area	
23	MC33		Large willow fen. Little moss cover transitions to Ws04 along creek.	
24	MC34			
289	WT100		Not Ws08 at bridge crossing	
290	WT101		Wf01 or Wm01	
300	WT102			
305	WT103		Upland forest at this location.	
350	WT104		Road and well head	
354	WT105		Upland forest	
355	WT106		Wb08 good condition.	
392	WT108			
417	WT109			
445	WT110		Wb08 end	
446	WT111		Wb08	
458	WT112		Dry forest	
459	WT113		Seepage slope in areas. Mostly moist forest. Not wetland.	
461	WT114		Wb08 modified by road	
462	WT115		Swamp	
463	WT116		Not swamp. Dry forest.	
465	WT117		End of swamp	
466	WT118		Ws08	
470	WT119		Dry forest	
473	WT120		Ws08	
474	WT121		Edge of Ws08	
488	WT122		Wb05 3d not mapped	
493	WT123		Wf01 2b	
497	WT124		Wb05 on edges	
498	WT125		Wb08 5sC all around	
499	WT126		Wb08	
528	WT127		Wf01 5m x5m	
545	WT128		Ws07 5sC on edge of road not mapped	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
546	WT129		Ws07	
549	WT130		Wf01 2b on edge of road	
551	WT131		Cut block	
568	WT132		Edge of Wb05 3d	
569	WT133		Wb05 3d best fit but on 3-5% slope	
578	WT134		Wm01 with lots of CALACAN	
579	WT135		Ws07 along small stream	
580	WT136		Ws07 edge	
597	WT137		Small Ws08 5oC	
599	WT138			
603	WT139		Dry upland forest Pl Sx	
404	WT140		Ws07 5sC	
405	WT141		Not swamp	
617	WT142		Wf01 2b	
621	WT143		Start of Wb08 5sC	
628	WT144		Wb05 3d	
649	WT147		Wb08 3d	
650	WT148		100% burnt Pl	
678	WT149		Riparian area -similar species to Fl01 but less flashy in terms of flooding frequency and intensity.	F/R No gravels- strictly sandy.
774	WT150			
776	WT151			
777	WT152			
752	WT153			
754	WT154			
756	WT155			
757	WT156			
766	WT159			
773	WT160			
293	WT161		Fringe of depression, not a wetland	
662	WT162		Dry slope aspen Sx	
669	WT163		Ws07 best fit just off ROW. 5oC logged all around and partially into	
721	WT164		Ws04	
722	WT165		Upland	
727	WT166		Ws04	
729	WT167		Upland	
730	WT168		Upland	
732	WT169		Wm01	
735	WT170			
737	WT171			
741	WT172			
611	WT-22-001a		Ws04 3b along creek with Ws07 5oC n edges	
25	WT-22-003			Conductivity = 0
426	WT-22-003a		Ws04 3b	
428	WT-22-003b		Long linear Wf01	
429	WT-22-003c		Ws04 3b good condition	
430	WT-22-003d		Wf01 long linear excellent condition	
408	WT-22-004		Ws04 3b	
420	WT-22-004a		Ws07 5oC well mapped	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
421	WT-22-008		Ws07 starts to north of line	
422	WT-22-008a		Not wetland. Sx 5oC wet gravel	
423	WT-22-008b		Not wetland	
424	WT-22-008c		Tiny ws07 fringe. Not enough to map	
425	WT-22-008d		Ws07 5sC	
427	WT-22-008e		Ws07 5oC	
26	WT-22-011			
119	WT-22-012a		Ws04 3b is best fit.	
400	WT-22-012b		Transition to Ws04	
401	WT-22-012c		Small patch of Ws07. Mostly Ws04.	
613	WT-22-014		Swamp starts here	
614	WT-22-014a		Moist forest. Not wetland	
27	WT-22-015			
399	WT-22-015a		Dry upland forest. Pl SHERCAN	
402	WT-22-015b		Ws04 3b on edges	
403	WT-22-015c			
406	WT-22-015d		Ws04 3b	
407	WT-22-015e		Wm01	
612	WT-22-016		Ws04 3b along creek	
409	WT-22-017		Ws07 5C	
411	WT-22-022		Upland forest. Sx Pl Aspen	
28	WT-22-023		Pocket bog CAREUTR. Moderate moose use. Good condition. Wb05 3d fringe.	Fibric organic over silt and then clay pan. Shallow soil, yet low pH and bog characteristics.
618	WT-22-023a		Wb05 3d on edges	
623	WT-22-025		Ww. Old beaver pond. Blown out and not active.	
622	WT-22-026		Riparian along creek. No swamp.	
29	WT-22-027		Typical Wf01 2b except shallow Fibric organis over compacted silt/clay	
624	WT-22-028		Wm01 2b best fit	
625	WT-22-028a		Wb05 3b beaver modified	
626	WT-22-028b		Wf01	
627	WT-22-028c		Wf02 3a	
619	WT-22-030		Riparian along stream	
620	WT-22-030a		Ws07 6mC	
120	WT-22-031	WS07 transitional to upland. Picea dominated canopy with		
638	WT-22-031a		Ws07 6mC	
121	WT-22-033			
630	WT-22-033a		Wb08 5tC best fit	
632	WT-22-034		Ws07 6mC	
122	WT-22-036		Probably as a Wb08 based on size of spruce stumps. 100% logged	
123	WT-22-039		Small Ws07 5mC in gully.	
124	WT-22-042		Burnt Ws07.	
635	WT-22-043		Burnt and logged Ws07 3b alder horsetail Sx snags	
412	WT-22-044		Ws07 5tC. Logged all around.	
292	WT-22-045		Wb05 3d good condition. Typical species.	
30	WT-22-046		Wetland complex with a rushing steam and various pools created by beavers.	
676	WT-22-046a		Fl05 and Ws07	F
677	WT-22-046b		Ws07 6mC	Fluvial?
674	WT-22-047		Spruce-Ionicera Equisetum	Organic over mineral
673	WT-22-048		Fits Ws04 well.	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
704	WT-22-049		Upland	
637	WT-22-052		Fl05 3b along large creek that actively floods. Ws07 on edges.	
126	WT-22-054		Recently burned.	
671	WT-22-054a		In between transition line and added line features is upland burnt forest	
681	WT-22-054b		Not a wetland	
31	WT-22-055		Wetland fen bordered by a bog. Within recently burned area. Extensive Bryophyte and birch mortality but good regen.	Site recommended for peat sampling site.
679	WT-22-055a			Organic fibric
680	WT-22-055b			
127	WT-22-056c		BMWetland bog adjacent to Wf02. Recently burned.	
128	WT-22-057		In tact wetland bog Wb05- transitional from Wf02.	
684	WT-22-057a			
686	WT-22-059		Not a wetland terrestrial aspen stand downslope of Wm01 that run along border of TL	
775	WT-22-061			
129	WT-22-062		Mature spruce wetland forest exposed to recent burn and thus most of the large trees have blown down. Borderline young to maturing climax.	There is a 25 cm layer of silty soil; which also included a few small rounded rocks. This layer is driving the moister holding capacity. Below 25 cm is a sandy gravelly substrate, which results freely drained soils.
695	WT-22-062a		Terrestrial spruce-aspen forest. Burn area-successional stage reset. 6tM to 2b predominantly.	Morainal
696	WT-22-062b		Ws07. Point established away from the road to capture more natural state.	
656	WT-22-063		Ws07 5tC along small stream. Good condition other than road with functional culvert.	
654	WT-22-064		Ws07 3d 100% burnt	
639	WT-22-066		Ws00 Sx ACT At 5tM along small stream 50% burnt	
644	WT-22-066a		Ws04 3b along stream with narrow burnt Ws07 on edges.	
655	WT-22-067		Probably Wb08 3d with lots of willow on edges and Wb01 3c most of polygon	
32	WT-22-069		Ws00 as Sx Salix Alder and thick sedge site.	
643	WT-22-069a		Ws07 best fit but lots of CALACAN alder and some aspen on edges.	
641	WT-22-070		Ws07 5oC mostly burnt. 5sC	
33	WT-22-071		Wb01 3c great example of this bog type.	
772	WT-22-073			
771	WT-22-074			
770	WT-22-075			
769	WT-22-076			
767	WT-22-078			
768	WT-22-079		Wm01 7 Ws04 3	
763	WT-22-083			
764	WT-22-084			
761	WT-22-087			
755	WT-22-089			
753	WT-22-091			
657	WT-22-094		Not wetland dry gully with no water or stream.	
658	WT-22-094a		Dry aspen gully.	
664	WT-22-096		Dry Sx Aspen forest	
663	WT-22-097		Dry Aspen Sx fireweed gully. Big old aspen. High cattle use.	
282	WT-22-099		Pocket fen. Floating mat but shallow to till. Wf00 CAREUTR CAREX COMPAL pH 6.2	
661	WT-22-100		Ws07 5oB early successional. Wetter than normal resulting in most old spruce dying out. Thick alder and diverse herbs.	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
34	WT-22-101			
750	WT-22-102			
748	WT-22-105			
667	WT-22-106		Ws07 along small stream.	
665	WT-22-107		100% logged here	
666	WT-22-107a		Ws07 6mC in middle of large clear cut.	
668	WT-22-108		Not swamp. 6mC transitional to upland forest. Excellent condition	
745	WT-22-109			
742	WT-22-110			
740	WT-22-114			
739	WT-22-115			
738	WT-22-116			
736	WT-22-118			
689	WT-22-119		Terrestrial spruced subalpine-aspen forest	
690	WT-22-119a		Spruce- pine terrestrial forest 4sC	
130	WT-22-123	Cottonwood, spruce, alder, and twinberry dominate.	This polygon is not a wetland. Organic soil over gravel. This site is well drained, however Fsr construction has caused the location to Hold moisture longer.	
294	WT-22-125		Stream and riparian area	
131	WT-22-126		Stream and riparian area surrounded by Abies and Picea forest. No sign of flooding at the surface(i.e. scouring and sediment).	
733	WT-22-128		Wm01	
731	WT-22-129		Ws07	
726	WT-22-130		Upland	
728	WT-22-130a		Mesic forest with deep sands	
724	WT-22-132		Upland	
725	WT-22-132a		Upland	
705	WT-22-137		ACT alder devils club riparian most forest in gully.	
132	WT-22-138		Moist forest along stream with Sw ACT fern. Not wetland. 6mM	
707	WT-22-139		ACT Sx aspen small draw and most on 10-15% slope. 6mM. Not swamp	
708	WT-22-142		Upland	
718	WT-22-143		Upland	
716	WT-22-144		Upland	
717	WT-22-145		Upland	
710	WT-22-146		Upland Aspen Sx on slope	
35	WT-22-148		Gully with mature swamp. Mostly logged around. Called Ws08 instead of Ws07 due to 50% of trees are Bl. Few subalpine indicators.	
651	WT-22-151		Ws04 3b with the odd spruce. 100% burned all around	
682	WT-22-152			Organic Palustrine Basin
133	WT-22-153		Undescribed site with characterstics that align, in part with Ws07 and in part with Ws03. Low gradient stream in centre bordered by lady fern. High cover of calacan. Spruce cover standing 25- pre fire 45 Mountain alder, twin berry, lady fern, oak fern.	
751	WT-22-154			
648	WT-22-156		100% burnt Wb08 3d	
634	WT-22-157		Wb08 3d and riparian along stream	
747	WT-22-160			
134	WT-22-161		Ws07 along large creek. Recent moose and bear use.	
36	WT-22-163		Small swamp in large 20-30yr old cut block.	
135	WT-22-164		Not wetland. Pl alder dry forest.	
734	WT-22-165			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
687	WT-22-166			Cumulic Regsol Fv/R
746	WT-22-168			
136	WT-22-170	Spruce, cottonwood, alder, lonicera, calamagrostis.	WS07 that was logged over. Shows signs of shifting to a upland forest however, the water table Is high in depressions and there is mottling in the soil pits.	
685	WT-22-171		Ravine- not a wetland	
137	WT-22-173		Upland replanted Pl Sx. Not wetland	
155	WT-22-173a		Not wetland. Moist 20+ yr old replanted block.	
703	WT-22-174		Dry pine aspen gully replanted old cut block.	
410	WT-22-179		Ws07 along creek.	
636	WT-22-180		Not wetland. Aspen Sx CALACAN MAXLAN	
138	WT-22-184a		Moist cottonwood-spruce grove. Bear habitat- spring and summer. Suitable for olive sided fly catcher. Large (100+cm) DBH cottonwood. Recommend cottonwood be retained for wildlife habitat- namely fisher.h	
693	WT-22-185		Stream and riparian	F
694	WT-22-186		Stream and riparian area	Fluvial
653	WT-22-188		Ws07 3d 100% burnt	
609	WT-22-189		Ws07 5oC	
139	WT-22-190		Wb08 with edges logged	
37	WT-22-191		Small bog left in large cut block	
547	WT-22-191a		Dry logged area. No wetland soils	
548	WT-22-191b		Ws07 along stream 5sC	
550	WT-22-191c			
539	WT-22-192		Ws07 6mC good condition. Lots of wi throw and moose use.	
544	WT-22-192a		End of Ws07	
600	WT-22-193		Wb08 5oC	
38	WT-22-194		Moss, horsetail, spruce	Conductivity 37
307	WT-22-194a		Switching to zonal	
308	WT-22-194b			
140	WT-22-195		Typical well developed Wb05	
141	WT-22-196		Ws07 along stream. 80% swamp at haul road crossing g.	
607	WT-22-199			
142	WT-22-201			
39	WT-22-202	Total veg cover entered by layer not A2A3 etc	Very large Ws07 with stream.	
414	WT-22-202a		Ws08	
415	WT-22-202b		Transition.	
416	WT-22-202c		Wb05 extends to here	
576	WT-22-202d		Ws07	
577	WT-22-202e		Ws07	
40	WT-22-204		Large bog. Excellent condition. High moose use in area.	
538	WT-22-204a		Transition to Ws07	
540	WT-22-205		Wm01 2b	
541	WT-22-205a			
537	WT-22-206		Ws07	
536	WT-22-207		Ws07 6oC beaver modified along creek.	
41	WT-22-209			
581	WT-22-212		Wb08 3d	
582	WT-22-213		Ws07 5sC along stream. Typical swamp. Good condition	
583	WT-22-213a		Ws07 5sC excellent condition. Lots of moose tracks.	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
143	WT-22-215		Pocket Wf01 2b	
309	WT-22-219			
252	WT-22-219a		Feather moss, sphagnum, horsetail, fireweed, Sitka burnet, cow parsnip, twin berry, gooseberry, spruce	
42	WT-22-220		Calamagrostis, horsetail, willow, heramax, alder	No pH or conductivity. Hard to reach creek.
310	WT-22-220a			
601	WT-22-223		Wb08 5oC excellent condition	
602	WT-22-223a		Wb05 3d	
605	WT-22-223b		Wb08 and Wb05 on edges	
606	WT-22-223c		Wb08 3d	
608	WT-22-223d		Wb05 on fringes	
604	WT-22-224		Ws07 5oC good condition	
144	WT-22-226		Old beaver pond now with 4 Wm012b and 6 Ws04 3b	
145	WT-22-227		Sitka, fireweed, Cornc an, robes, thalictrum, cowpatsnip, twin berry, alder, black spruce	
43	WT-22-227a		Calamagrostis, horsetail, cow parsnip, lonicera, white spruce	
306	WT-22-227b			
535	WT-22-227c		Ws07 6mC good condition	
554	WT-22-228		Wf01 in new and replanted cut block	
552	WT-22-229		Logged moist forest. No indication of wetland.	
553	WT-22-229a		Logged. Was probably Wb08.	
543	WT-22-231		Wb08 5oC with some pine	
610	WT-22-232		Ws07 5oC	
44	WT-22-236			No pH or conductivity. No water.
615	WT-22-238		Pine aspen forest. Not wetland.	
616	WT-22-239		Pine aspen forest. Not a wetland.	
631	WT-22-243		Wm01 2b mostly logged around. TL could easily avoid direct impacts.	
146	WT-22-244		Ws07 6mC on north side of creek only. Good condition. Lots of CWD. No moose use.	
147	WT-22-246		Transitional fen-bog wetland(Wf02-Wb05)	
125	WT-22-247		Typical Wm01.	
148	WT-22-249		Aspen spruce forested seep site.	
149	WT-22-250		Classic Wb05	
683	WT-22-250a		Palustrine	Ov
150	WT-22-252		Small stream with willow riparian buffer- transition abruptly to steeper side slopes. Area affected by two historic roads (one existing and the other inactive). Would have been connected to the Ws07 prior to road construction.	
697	WT-22-252a		Stream bordered by willow riparian area	Fluvial
645	WT-22-255		Ws04 3b	
646	WT-22-255a		Wm01 2b	
647	WT-22-256		Wb08 3d good condition	
642	WT-22-257a		Wm01 on fire guard edge. About 10% willow cover.	
765	WT-22-259			
762	WT-22-263			
151	WT-22-268		Ws07 5tM along stream. 50% burnt.	
659	WT-22-269		Ws07 same condition as 268	
759	WT-22-273			
760	WT-22-273a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
660	WT-22-279		Ws07 6oC narrow bad at toe of slope	
749	WT-22-283			
152	WT-22-284		Good condition astute Ws07	
153	WT-22-285		Good condition in gully. Alder and black twinberry dominat shrubs.	
744	WT-22-286			
743	WT-22-287			
670	WT-22-291		Canyon and dry Pl Sx forest.	
698	WT-22-294		Ws08 3b in gully. 100% logged. Not functional.	
701	WT-22-295		Upland 10-15% slope old clear cut thick alder	
700	WT-22-296		Upland 10-15% slope old clear cut thick alder	
154	WT-22-298		Dry aspen slope 20% on aeolian ridge.	
702	WT-22-298a		Aeolian ridge. Very dry	
723	WT-22-307		Upland	
720	WT-22-309		Ws07	
45	WT-22-311		20-30yr old replanted cut block with small early serial Ws07 in slight depression.	Assuming till based on location with slight overland flow through swamp in wet years.
706	WT-22-312		Seepage slope. Moist regen site. Not wetland.	
156	WT-22-313		10-15% slope. Upland forest.	
719	WT-22-315		Ws07	
712	WT-22-316		Small Ws04 3b beside road	
715	WT-22-317		Ws07 5C	
713	WT-22-318		Ww	
714	WT-22-319		Ws07 5oC	
711	WT-22-320		Upland Aspen Sx on slope	
709	WT-22-321		Upland Aspen Sx on slope	
157	WT-22-323		Not a wetland. Moist gully. Oak fern elderberry Sitka alder Sx Pl D. club	
584	WT-22-325		Wm01 2b	
585	WT-22-326		Wf01 2b with EQUIFLU in wet part.	
158	WT-22-328		Typical Ws08. Road adjacent affects tree cover and hydrology. Otherwise in good condition.	
159	WT-22-329		Wm01 along creek. 70% Wb05 pine bog	
366	WT-22-329a		Some Wb05 on this side of creek	
471	WT-22-330		Ws08 along creek	
46	WT-22-332		Sphagnum, carex luvida, carex aquatilis, carex tenuifolia, carex mag, menyanthes, scrub birch	Conductivity 22
160	WT-22-332a		Carex livida, watermoss, menyanthes	
388	WT-22-332b			
47	WT-22-333		Mountain alder. Cala can. Horsetail. Sphagnum. Beaked sedge. Marsh. Similar to Wm15	
500	WT-22-334		Pond	
501	WT-22-334a		Ww burreed and some Persicaria	
502	WT-22-334b		Wm01 all around edges	
161	WT-22-336			
491	WT-22-336a		Thin Ws07 along stream	
492	WT-22-336b		Ws07	
490	WT-22-338a		Ws08	
118	WT-22-338b			
162	WT-22-338b1			
164	WT-22-338b10			
489	WT-22-338b2		Ws08	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
512	WT-22-338b3		04 Sx alder oak fern Sitka burnet	
514	WT-22-338b4		04. BlSx oakfern tiarella unifoliata. No alder	
520	WT-22-338b5		Wb083d	
521	WT-22-338b6		04	
529	WT-22-338b7		04 5oC not swamp along creek.	
530	WT-22-338b8		Small part is Ws07 where polygon widens. Mostly 04 and riparian.	
163	WT-22-338b9			
165	WT-22-341		Not swamp. Moist riparian forest on 2-5% grade along stream.	
284	WT-22-343		Wb05 transitional area	
571	WT-22-343a		Wb05 3d	
572	WT-22-343b		Wb05 3c	
573	WT-22-343c		Wb08 3d fringe	
574	WT-22-343d		Open areas are Wf04 3a about 20% of polygon	
48	WT-22-345		Small fen portion of complex. No water to take pH.	
166	WT-22-345a		Most of mapped wetland is Ws08 5oC	
342	WT-22-345b		Boundary of swamp	
343	WT-22-345c		Swamp boundary	
344	WT-22-345d		Swamp boundary	
167	WT-22-347		Scrub birch, cared aquatilis, sphagnum, cotton grass fen	
304	WT-22-347a		WF11 pockets	
49	WT-22-348		Sphagnum, club rush, carex aquatilis fen	Conductivity 8
168	WT-22-348a		Sphagnum, cotton grass, scrubirch, sedge, marsh cinquefoil, platdil	
303	WT-22-348a2		Wf13	
333	WT-22-349			
263	WT-22-349a		Scrub birch, carex (aquatilis), sphagnum. Soils an Om.	
169	WT-22-350		Horsetail, glow moss, liverworts, water sedges, black and white spruce, pine, fireweed	
337	WT-22-350a			
443	WT-22-351		Wb08 5oC boundary	
444	WT-22-351a		Wb08	
431	WT-22-352		Upland dry pine forest	
433	WT-22-352a		Up and pine forest	
434	WT-22-352b		Upland boundary	
435	WT-22-352c		Ws07	
436	WT-22-352d		Upland	
437	WT-22-352e		Upland boundary	
438	WT-22-352f		Dry steep upland forest	
440	WT-22-352g		Upland to north. Ws08 to south	
441	WT-22-352h		Upland boundary	
442	WT-22-352i		Ws07 6mC	
171	WT-22-353b			
170	WT-22-353c			
172	WT-22-354		Good condition Wb08 3d in slight depression.	
467	WT-22-354a		Wb08	
50	WT-22-355		Rich site with stream through middle. Upland to north all cleared and road with drainage modifications.	
351	WT-22-355av		Not wetland. Forested moist slope	
347	WT-22-356		Upland forest. No swamps	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
349	WT-22-356a		Upland dry forest	
525	WT-22-357		Ws08	
173	WT-22-358a		Large typical Ws07 with small incised stream.	
505	WT-22-358a1		Swamp boundary	
506	WT-22-358a2		Ws07	
507	WT-22-358a3		Swamp boundary	
504	WT-22-358b		Ws07. Heavy blowdown but appears to be typical swamp.	
174	WT-22-358c		Large Ws07 at end of lake. More productive than most sites.	
175	WT-22-359			
587	WT-22-359a		Riparian. Not a wetland. 9% slope. Mineral soil.	
586	WT-22-359b		Ws08 3b	
591	WT-22-360		Essfmv1. 01	
176	WT-22-361b		Good condition other than road bisecting wetland. Appears to be all of polygon	
487	WT-22-362a		Ws08 good condition except road bisects	
177	WT-22-362b		Feathermoss, leafy mosses, Arnicor, ribelac, loniinv, fireeweed, Salix, calamagrostis, silky lupine, 5 leaved bramble, white spruce mostly, some subfir.	
370	WT-22-362b1			
371	WT-22-362b2			
178	WT-22-363			
340	WT-22-363a			
179	WT-22-364		A mix with zonal, polygon of Ws07 is very narrow	
341	WT-22-364v		Ws08 and 01 zonal upland	
180	WT-22-365		Sphagnum, horsetail, feathermoss, subfir, spruce, oak fern	
381	WT-22-365a			
51	WT-22-367		Changes to bog and other fens to east	
348	WT-22-367a		Not swamp	
447	WT-22-371		Riparian forest. Deeply incised creek.	
449	WT-22-371a		Small Wm01 like in old blown out beaver pond	
52	WT-22-373		Sphagnum, carex, crowberry, rhodgro, Black spruce, pine	Conductivity 26
368	WT-22-373a			
369	WT-22-373b			
181	WT-22-379			
391	WT-22-379a			
182	WT-22-380			
390	WT-22-380a			
183	WT-22-381		Scrub birch, Salix, sphagnum, carex aquatilis, rhodgro, bog cranberry	
387	WT-22-381a			
184	WT-22-382		Sphagnum, Labrador tea, are aquatilis, Salix, black spruce	
380	WT-22-382a		Combine all these polygons	
185	WT-22-383		Small Wb08. Road beside has altered hydrology. Lots of moose sign.	
531	WT-22-383a		Dry pine forest	
532	WT-22-383b		Dry pine forest	
53	WT-22-390a		Stunted lodgepole pine crowberry sphagnum glowmoss	Wb10 is best fit. Lots of crowberry though.
472	WT-22-390b		ESSF. 03. Submesic. Split polygon. Wb08. Wb10. 03	
524	WT-22-390b1		03	
54	WT-22-391		Tufted club moss. Giant water moss fen	
291	WT-22-391a		Cotton grass fen, patterned	
186	WT-22-392		Feathermoss, Vaccinium, fir forest. Upland.	
187	WT-22-392a		Sphagnum, cotton grass, shore sedge fen	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
188	WT-22-392b		Sphagnum, horsetail, Salix, spruce bog, depression.	
302	WT-22-392c		Wb08	
509	WT-22-393		01. Not a wetland	
189	WT-22-394		Typical Sc03 on slope	
190	WT-22-395		Seepage area dominated by calacan, senetri, loniinv, horsetail, lodgepole	
374	WT-22-395a		Seepage channel. Not wb08	
593	WT-22-396		04	
191	WT-22-397		Herb meadow	Suspect oldlake bottom or crack channel of river. Thin organic overtop of pure fine sand. No coarse fragments.
192	WT-22-397a			
588	WT-22-397b		Herb meadow 2b	
589	WT-22-397c		Wm01	
55	WT-22-398		Beaked sedge, sphagnum, alnus dominated site	Conductivity 65
287	WT-22-398a		Transitional Wb/Ws with alder.	
56	WT-22-399		Buckbean fen	
57	WT-22-403			
193	WT-22-404		Feathermoss, Sphagnum, horsetail, black spruce, salix, Rhodgro, calamagrostis. Oh soils.	
335	WT-22-404a			
58	WT-22-405		Carex, sphagnum dominated site.	Conductivity 111
334	WT-22-405a			
194	WT-22-406		Feathermoss, horsetail, bunchberry, fireweed, spruce	
195	WT-22-406a		Feathermoss, horsetail, fireweed, spruce, 5 leaved bramble, corncan, twinflower.	
329	WT-22-406b			
330	WT-22-406c			
196	WT-22-407		Wb08 is best fit. Veg has Wb05 species, but soil and pH are closer to swamp	
197	WT-22-409		Good condition swamp	
468	WT-22-409a		Swamp boundary	
469	WT-22-409b		Dry forest	
476	WT-22-410		Ws08	
475	WT-22-411		Riparian. Not swamp. Tight gully with good stream gradient	
283	WT-22-413			
480	WT-22-414		Wm01 like community along creek in old beaver pond	
483	WT-22-414a		Wm01 like with some willow in old beaver pond	
484	WT-22-414b		More riparian than swamp. All beaver modified. Easily successional sedge and willow with random trees. Wide, incised creek with coarse substrate.	
199	WT-22-416		Feathermoss, horsetail, fireweed, abieslasio, spruce, Rubus, listers, grass of Parnassian, cliff fern, Ribes, Lonicera	
200	WT-22-416a		Feathermoss, horsetail, bunchberry, twisted stalk, Lonicera, Ribes, Abies spruce	
324	WT-22-416b			
59	WT-22-417		Salix, water sedge swamp	Conductivity 36
319	WT-22-417a			
60	WT-22-422		Beaked sedge fen complexed with shallow openwater	
61	WT-22-423		Beaked sedge fen	
288	WT-22-423a		Very good condition.	
201	WT-22-424		Spruce (lots standing dead), lodgepole around edges, willows, sphagnum, tiarella, horsetail, Senetri, elymgla, Labrador tea, sub fir regen	
62	WT-22-424a		Water sedges, Salix, pine, spruce site	Conductivity 37

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
315	WT-22-424b			
202	WT-22-425		Open water, no aquatic vegetation present.	
317	WT-22-425a			
311	WT-22-426		Cleared	
286	WT-22-427			
203	WT-22-428			
566	WT-22-428a			
63	WT-22-429		Buckbean beaked sedge fen.	
559	WT-22-430		Dry upland	
560	WT-22-430a		01. Slope 35. Aspect 316	
561	WT-22-430b		SBSmc3. 07	
64	WT-22-431		SxPl alder twinberry Sitka burnet mature forest with open canopy and lots of standing dead. Riparian.	
65	WT-22-436			
204	WT-22-438			
357	WT-22-439		WT-22-439. Ww with 10% wm01 on edges	
205	WT-22-440		Flooded Wm01 like but Pl in part that is mostly dead. And30% Ww. Mineral soil.	
206	WT-22-441		Wm with some open water. Not a distinct community in small depression.	
207	WT-22-442		Wm01 on edges and Ww in middle. 50/50. Good condition except adjacent road that has no direct effect on wetland.	
66	WT-22-443		Black spruce lodgepole pine scrub birch carex aquatalis poor sedge Gaulth hisp sphagnum bog	
208	WT-22-444		Not wetland. Seepage slopes and moist forest. Suspect no wetland in entire polygon as on slopes.	
209	WT-22-446		Small modified Pond. Drill roads go through edge. No aquatic or emergent veg	
210	WT-22-447		Pond. Not open water. No associated wetland.	
67	WT-22-449	CALACAN and CAREKEL on edges. No aquatic vegetation.	Small Ww in depression. Toad observed. Got breeding potential.	
211	WT-22-450		04 6mC on slight slope along creek.	
598	WT-22-450a		04 moist forest not wetland.	
212	WT-22-451			
596	WT-22-451a		Ws02 3a	
68	WT-22-453		Level, equisetuem, calamagrostis, hellebore, sub fir swamp	35 microseimens
69	WT-22-455		Moss, horsetail, spruce swamp.	
213	WT-22-456		Ws07 best fit along small stream. Deep rich soil. High willow, black twin berry, EQUIARV; and Sx. Approx 50% of poly is swamp the rest moist forest and riparian.	
534	WT-22-456a		Swamp edge	
557	WT-22-458		SBSmc3 07. Seepage Chanel. Lots of blowdown	
495	WT-22-459		Wf01	
70	WT-22-465		Feathermoss, horsetail, five leaved bramble, Ribes lac, sub fir, spruce forest	Conductivity 25
318	WT-22-465a			
562	WT-22-465b		SBSmc3. Ws07	
563	WT-22-465c			
71	WT-22-467		Small portion of Ws07 along stream edge. Most of polygon is moist upland forest.	
413	WT-22-467a		Swamp	
72	WT-22-479		Bl leatherleaf saxifrage horsetail forest	Not sure what to call it. Palustrine or upland. It looks like Oh but it has a bit of mineral. Silt mixed in.
214	WT-22-479a			
73	WT-22-480		Sphagnum, hook misses, menyanthes, carex utriculata, carex aquatilis, cafes limosa, other Carex	Conductivity 26
376	WT-22-480a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
74	WT-22-481		Sphagnum, hookmoss, carex aquatilis, scrub birch, Salix.	Conductivity 26. There is an inflow and out flow stream.
215	WT-22-481a		Sphagnum, carex aquatilis, scrub birch, willow, lodgepole, black spruce	
378	WT-22-481b			
379	WT-22-481c			
356	WT-22-482		Wm01	
216	WT-22-494		Sphagnum, horsetail, Salix, calamagrostis, lodgepole, spruce, carex	
217	WT-22-495		Sub medic site dominated by feather moss, vaccmem, crowberry, Rhoda alb, lodgepole, some abies regency. Lots of deadfall.	
372	WT-22-495a		ESSF 03	
218	WT-22-496		Feathermoss, sphagnum, Labrador tea, horsetail, willow, scrub birch, lodgepole, crowberry	
373	WT-22-496a			
75	WT-22-497		Sphagnum, buckbean, carex limosa, carex mag, carex tenuiflora	Conductivity 16
375	WT-22-497a			
219	WT-22-498		Ws01 along creek. Then riparian communities for half polygon. Wb08 like but poor fit.	
220	WT-22-499		Small Wf01 2b wth Wb05 3d around.	
221	WT-22-500		Tiny pocket fen. Good condition	
222	WT-22-501		Very small Wf on edge of small pond. Good condition. Evidence of wolf use.	
223	WT-22-502		Pine dominated Wb05 with stream through middle. Wb05 is poor fit. Species indicate something closer to poor swamp.	
224	WT-22-503		Riparian forest. Creek has decent gradient. Narrow floodplain in gully. Not swamp. Coarse sandy substrate.	
358	WT-22-503a		Riparian. Narrow band. Not Ws08	
359	WT-22-503b		Riparian with small area of almost Ws08 but on slope	
360	WT-22-503c		Canyon	
361	WT-22-503d		Not swamp. Riparian with coarse rocky substrate	
76	WT-22-504		Narrow Wb05 along edges of wetland with Wm01 along stream through middle.	
225	WT-22-505		Beaver modified complex. Wb05 best fit as spruce pine and some bog indicators	
226	WT-22-506		Ws08 6mC along wide creek.	
595	WT-22-507		Essfmv1.04	
227	WT-22-509		Mix of willow similar to Ws04 and Sx similar to Ws07 but neither is dominant. Thick willow 3b with clumps of Sx.	
77	WT-22-510a		Large, very productive Ws07 with small creek. Road bisects wetland.	
228	WT-22-510b		Ws07 5tC bisected by road	
533	WT-22-510c		Dry forest	
229	WT-22-511		Sphagnum, carex aquatilis, scrub birch, Salix, lodgepole, spruce	
386	WT-22-511a			
230	WT-22-512		Sphagnum,Salix, scrubbirch, carex aquatilis, Labrador tea	
383	WT-22-512a			
384	WT-22-512b			
385	WT-22-512c			
231	WT-22-513		Sphagnum, horsetail, carex, Salix, scrub birch, rhodgro, calamagrostis	
382	WT-22-513a			
232	WT-22-514		Water sedges	
377	WT-22-514a			
233	WT-22-515		Carex aquatilis, sphagnum, scrub birch, black spruce	
389	WT-22-515a			
494	WT-22-516		Wf01	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
234	WT-22-517		Pocket fens in logged area. Thin organic over greyed soil. CAREUTR CARE AQU COMPAL water moss	
78	WT-22-518		Very wet. Wb13 best fit but shallow organic soils on mineral hard pan not expected.	
79	WT-22-519		Odd Wf. Water sedge on edges and permanent water in middle with thick horsetail and some aquatic plants. Deep humic organis soil. Very wet.	
496	WT-22-520		Wb05 3d	
235	WT-22-521		Very wet. Proper Wb13 with Wb05 around it.	
236	WT-22-522		Wf01 with Wb05 around all edges	
237	WT-22-523			
238	WT-22-524		Small Wb08 on edge of pond. Large mounds Pl Sx with thin organic over gleysol.	
564	WT-22-531		Wf01	
313	WT-22-532		Herb meadow	
239	WT-22-533			
567	WT-22-533a			
240	WT-22-534			
565	WT-22-534a		SBSmc3. 07	
80	WT-22-535		Willow sedge alder with minor black spruce Om/ gleysol	
241	WT-22-540			
558	WT-22-540a		SBSmc3. Wm01	
242	WT-22-556		Small swamp. Good condition. Rest of polygon to west not swamp	
362	WT-22-556a		Dry upland forest	
363	WT-22-556b		Moist depression with stream. Not swamp here	
364	WT-22-556c		Dry ridge	
365	WT-22-556d		Small Ws08	
243	WT-22-557			
513	WT-22-557a		04 Sx oak fern	
244	WT-22-558			
511	WT-22-558a		Wb08. More open version than last plot	
81	WT-22-559		Sx(Sb) willow scrub birch horsetail. Carex disperma. Sphagnum	
516	WT-22-560		03 submesic	
517	WT-22-560b		04. SxBl oakfern. Senecio. Willows. Cala can. Valerian	
245	WT-22-561			
515	WT-22-561a		Wb08. 3d	
82	WT-22-569		Small good condition swamp.	
418	WT-22-570			
83	WT-22-570a		No water to measure pH	Good carbon sample location
419	WT-22-571			
246	WT-22-572		Good condition other than adjacent roads	
570	WT-22-583		Dry pine Sx stand. Not wetland.	
575	WT-22-584		Wb08	
247	WT-22-589		Not swamp. Narrow riparian area with SALIBAR. Frequent flooding and deposition of fines on surface. Silt sand and coarse substrate	
526	WT-22-591		Wet seepage not wetland	
248	WT-22-592		Small Wf13 like fen and 70% Wf05 3d rest of polygon	
352	WT-22-592a		Wb05 on edges	
249	WT-22-593		Not swamp. 10% slope. Seepage sites and moist forest.	
353	WT-22-593a		Upland forest	
84	WT-22-594	Leafy mosses all of D layer	Ws08 decent fit other than high Salix cover.	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
250	WT-22-594a		Ws08 poor fit as on slope and 80 willow cover. 5oC Sw. SALIBAR and EQUIARV leafy moss dominant	
345	WT-22-594b		Old road cut through wetland	
346	WT-22-594c		Swamp boundary	
85	WT-22-595		Scrub birch, carex aquatilis sphagnum	
508	WT-22-612		Herb meadow	
510	WT-22-613		Herb meadow riparian shrub complex.	
522	WT-22-616		Wb08	
86	WT-22-618		Subalpine fir-horsetail-valerian-mitrewort mature swamp forest	Oh over bedrock. Dark greasy humus.
523	WT-22-618a		01	
87	WT-22-619		Sphagnum, horsetail, spruce	Conductivity 26
88	WT-22-620			Conductivity 16
253	WT-22-620a		Sphagnum, scrub birch, Picea Mariana	
254	WT-22-621		Feathermoos, lycopodium, listeria cordage, fir zonal forest	
255	WT-22-621a		Feathermoss, horsetail, fir dominated site	
301	WT-22-621b		ESSF zonal	
89	WT-22-621c		Feathermoss, horsetail, abies lasiocarpa swamp.	Conductivity 15
90	WT-22-623		Bog dominated by scrub birch, carex aquatilis and drepanocladus moss.	Conductivity 31
256	WT-22-623a		Scrub birch, cotton grass, sphagnum, horsetail, Calamagrostis dominated fen.	
257	WT-22-623b		Fen dominated by carex aquatilis, horsetail and calamagrostis	
91	WT-22-624			Conductivity 58
258	WT-22-624a		Calamagrostis, horsetail, senetri	
259	WT-22-626		Wb05, black spruce, pine, crowberry, sphagnumnbog.	
92	WT-22-627			Conductivity 16
93	WT-22-629		Carex limosa, carex mag dominated fen with cotton grass and scrub birch surrounding	Conductivity 25
260	WT-22-630			
261	WT-22-631		Black spruce, horsetail, spaghnum dominated site	
262	WT-22-632		Lodgole, black spruce, sphagnum, scrub birch, carex dominated	
94	WT-22-633			Conductivity 16
527	WT-22-634		03 6C	
95	WT-22-635		Forest	
96	WT-22-636		Scrub birch, Salix, carex, sphagnum	No open water for pH or conductivity
332	WT-22-637		Zonal ESSFv1	
97	WT-22-638		Feathermoss, sphagnum, crowberry, sedge, Labrador tea, vaccmem, spruce	No pH ot conductivity. No open water
331	WT-22-638a			
98	WT-22-639		Feathermoss, horsetail, willow, white spruce, fireweed. Complex is 6 Wb08 4 Wb05	Conductivity 52
264	WT-22-639a		Cares aquatilis, Salix, water mosses in water, sphagnum on hummocks, spruce	
327	WT-22-639b			
328	WT-22-639c			
326	WT-22-640		SBSmc3. 07	
265	WT-22-641			
339	WT-22-641a			
266	WT-22-642			
338	WT-22-642a			
267	WT-22-643		Salix, feathermoss, lonicera, horsetail, with some trees, lots of dead snags.	
325	WT-22-643a			
268	WT-22-644		Feather moss, grouse berry, horsetail, fireweed, Abies lasio, spruce, willows, petapal, Sympfol, listcord	

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
320	WT-22-644a			
251	WT-22-645		Carex aquatilis, Salix dominated site.	
323	WT-22-645a			
269	WT-22-646		Carex aqua dominated	
270	WT-22-646a		Willow, carex (aquatilis) swamp.	
321	WT-22-646b			
322	WT-22-646c			
481	WT-22-647		Steep slope not wetland here	
482	WT-22-647a		Steep. Not wetland	
485	WT-22-647b		Small seepage slope but not wetland.	
486	WT-22-647c		Ws08	
455	WT-22-648		Riparian. 5-8% creek gradient incised in gully with small willow Sx fringe	
478	WT-22-648a		Riparian not swamp	
479	WT-22-649		Confirmed swamp. Assume Ws08	
477	WT-22-650		Wm01 like but in old beaver pond	
448	WT-22-651		Riparian forest in gully with incised creek	
99	WT-22-652		Wet, Rich	
432	WT-22-652a		Wf04 3a	
439	WT-22-653		Dry pine forest on slope	
271	WT-22-655		Jumble of veg and conditions along active creek floodplain. Not swamp. Creek incised. Shallow soil over coarse material.	
100	WT-22-656		Moist, Very rich	
452	WT-22-656a		Ws08 boundary	
453	WT-22-656b		Swamp	
454	WT-22-656c		Moist forest on 15% slope	
272	WT-22-657		Ws00 with shallow Gleysol. Mix of swamp and bog indicators. Not able to classify to site association.	
460	WT-22-657a		Ws00 here. Mineral soil. Jumble of species	
101	WT-22-660		Black spruce beaked sedge bog	
273	WT-22-660a			
102	WT-22-661		Willow sedge swamp	
103	WT-22-662		Sx horsetail Forest. Lots of standing dead.	Classified it as Ws07 instead of ws08 because no subalpine fir. Lots of soft sedges. And a variety of herbs.
274	WT-22-662a			
592	WT-22-662b		Herb meadow. Maybe 662a	
594	WT-22-662c		Essfmv1. 04	
285	WT-22-664			
275	WT-22-665		Beaked sedge, Carex aquatilis, calamagrostis canadensis, equisetum sylvaticum, sphagnum sp, Salix sp. marsh	
312	WT-22-665a			
276	WT-22-666		Spruce, lodgepole, calamagrostis, (stiff club) moss, tiarella, mountain ash, twin berry, gooseberry, fireweed, branchberry, 5 leaved bramble, vaccmem, coltsfoot, bedstraw forest	
314	WT-22-666a		Moist forested site with lots of blowdown. Not wetland	
316	WT-22-667			
104	WT-22-669		Pine. Black spruce. Cotton grass bog.	
277	WT-22-670		Typical Wb05 in slight depression. Recent moose tracks. Shallow humic organic over Bhg silt.	
278	WT-22-671		Typical pocket Wb05. No complex. Excellent condition. Shallow humic organic.	
105	WT-22-673			Called it mediumSMR medium because of low pH.

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	veg tota 6	plot repre	soil notes
279	WT-22-673a		Level marsh dominated by Carex can, Carex aqu, moss	
555	WT-22-674		03	
556	WT-22-674a			
450	WT-22-675		Upland boundary	
451	WT-22-675a		Small Ws08	
280	WT-22-676			
518	WT-22-676a		04. SxBl. Valerian. Tiarella. Petasites palm.	
519	WT-22-676b		Wm01	
198	WT-22-679		aerial plot; 532 herb meadow and 425 Wb05	
106	WT-22-687		Sphagnum, other mosses, carex aquatilis, shore sedge, Salix	No pH or conductivity. No open water
336	WT-22-687a			
367	WT-22-721		Dry pine cladonia stand	
633	WT-22-755		Ws07 6mC along creek	
281	WT-22-777		Sphagnum, horsetail, rhododendron albifkorum, rhododendron groenlandicum, corn can, valesit, crowberry, one sided wintergreen, feather moss, creeping wintergreen, picea glauce, subfir	
629	WT-22-783		Ws07 5oC not mapped	
758	WT-22-814			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
393	CH100			
395	CH101			
396	CH102			
397	CH103			
398	CH104			
1	Lake 15/16			
2	MC01			
3	MC02			
4	MC03			
107	MC04			
5	MC05			
6	MC06			
7	MC07			
8	MC08			
108	MC09			
109	MC10			
802	MC100			
801	MC101			
800	MC102			
797	MC103			
783	MC104			
781	MC105			
779	MC106			
784	MC107			
782	MC108			
792	MC109			
9	MC11			
778	MC110			
780	MC111			
787	MC111a			
790	MC113			
785	MC114			
791	MC115			
796	MC116			
788	MC117			
794	MC118			
786	MC119			
10	MC12			
789	MC120			
795	MC121			
799	MC122			
295	MC123			
296	MC124			
798	MC125			
110	MC13			
11	MC14			
111	MC15			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
12	MC16			
112	MC17			
113	MC18			
114	MC19			
13	MC20			
14	MC21			
15	MC22			
16	MC23			
17	MC24			
115	MC25			
18	MC26			
19	MC27			
20	MC28			
116	MC29			
21	MC30			
22	MC31			
117	MC32			
23	MC33			
24	MC34	Good condition.		
289	WT100			
290	WT101			
300	WT102			
305	WT103			
350	WT104			
354	WT105			
355	WT106			
392	WT108			
417	WT109			
445	WT110			
446	WT111			
458	WT112			
459	WT113			
461	WT114			
462	WT115			
463	WT116			
465	WT117			
466	WT118			
470	WT119			
473	WT120			
474	WT121			
488	WT122			
493	WT123			
497	WT124			
498	WT125			
499	WT126			
528	WT127			
545	WT128			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
546	WT129			
549	WT130			
551	WT131			
568	WT132			
569	WT133			
578	WT134			
579	WT135			
580	WT136			
597	WT137			
599	WT138			
603	WT139			
404	WT140			
405	WT141			
617	WT142			
621	WT143			
628	WT144			
649	WT147			
650	WT148			
678	WT149	In a steep draw that transitions to upland forest quickly.		
774	WT150			
776	WT151			
777	WT152			
752	WT153			
754	WT154			
756	WT155			
757	WT156			
766	WT159			
773	WT160			
293	WT161			
662	WT162			
669	WT163			
721	WT164			
722	WT165			
727	WT166			
729	WT167			
730	WT168			
732	WT169			
735	WT170			
737	WT171			
741	WT172			
611	WT-22-001a			
25	WT-22-003			
426	WT-22-003a			
428	WT-22-003b			
429	WT-22-003c			
430	WT-22-003d			
408	WT-22-004			
420	WT-22-004a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
421	WT-22-008			
422	WT-22-008a			
423	WT-22-008b			
424	WT-22-008c			
425	WT-22-008d			
427	WT-22-008e			
26	WT-22-011			
119	WT-22-012a			
400	WT-22-012b			
401	WT-22-012c			
613	WT-22-014			
614	WT-22-014a			
27	WT-22-015			
399	WT-22-015a			
402	WT-22-015b			
403	WT-22-015c			
406	WT-22-015d			
407	WT-22-015e			
612	WT-22-016			
409	WT-22-017			
411	WT-22-022			
28	WT-22-023	Odd site that does not fit any site associations.		
618	WT-22-023a			
623	WT-22-025			
622	WT-22-026			
29	WT-22-027			
624	WT-22-028			
625	WT-22-028a			
626	WT-22-028b			
627	WT-22-028c			
619	WT-22-030			
620	WT-22-030a			
120	WT-22-031			
638	WT-22-031a			
121	WT-22-033	Moist forest. Sx Bl Pl highbush cranberry		
630	WT-22-033a			
632	WT-22-034			
122	WT-22-036			
123	WT-22-039			
124	WT-22-042			
635	WT-22-043			
412	WT-22-044			
292	WT-22-045			
30	WT-22-046			
676	WT-22-046a			
677	WT-22-046b			
674	WT-22-047			
673	WT-22-048			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
704	WT-22-049			
637	WT-22-052			
126	WT-22-054			
671	WT-22-054a			
681	WT-22-054b			
31	WT-22-055			
679	WT-22-055a			
680	WT-22-055b			
127	WT-22-056c	Structural stages was 3b but due to recent fire, it is now 2b (3a). Early transition bog from fen.		
128	WT-22-057			
684	WT-22-057a			
686	WT-22-059			
775	WT-22-061			
129	WT-22-062			
695	WT-22-062a	Good forage for Moose and bear due to regrow the after fire.		
696	WT-22-062b			
656	WT-22-063			
654	WT-22-064			
639	WT-22-066			
644	WT-22-066a			
655	WT-22-067			
32	WT-22-069			
643	WT-22-069a			
641	WT-22-070			
33	WT-22-071			
772	WT-22-073			
771	WT-22-074			
770	WT-22-075			
769	WT-22-076			
767	WT-22-078			
768	WT-22-079			
763	WT-22-083			
764	WT-22-084			
761	WT-22-087			
755	WT-22-089			
753	WT-22-091			
657	WT-22-094			
658	WT-22-094a			
664	WT-22-096			
663	WT-22-097			
282	WT-22-099			
661	WT-22-100			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
34	WT-22-101			
750	WT-22-102			
748	WT-22-105			
667	WT-22-106			
665	WT-22-107			
666	WT-22-107a			
668	WT-22-108			
745	WT-22-109			
742	WT-22-110			
740	WT-22-114			
739	WT-22-115			
738	WT-22-116			
736	WT-22-118			
689	WT-22-119			
690	WT-22-119a			
130	WT-22-123	Not a wetland		
294	WT-22-125			
131	WT-22-126	SMR -5 SNR-E		
733	WT-22-128			
731	WT-22-129			
726	WT-22-130			
728	WT-22-130a			
724	WT-22-132			
725	WT-22-132a			
705	WT-22-137			
132	WT-22-138			
707	WT-22-139			
708	WT-22-142			
718	WT-22-143			
716	WT-22-144			
717	WT-22-145			
710	WT-22-146			
35	WT-22-148			
651	WT-22-151			
682	WT-22-152			
133	WT-22-153			
751	WT-22-154			
648	WT-22-156			
634	WT-22-157			
747	WT-22-160			
134	WT-22-161			
36	WT-22-163			
135	WT-22-164			
734	WT-22-165			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
687	WT-22-166	spring and summer and fall- high value for moose and bear forage and security. Good thermal conditions.		
746	WT-22-168			
136	WT-22-170			
685	WT-22-171			
137	WT-22-173			
155	WT-22-173a			
703	WT-22-174			
410	WT-22-179			
636	WT-22-180			
138	WT-22-184a	Mixed structural stage 7a and mostly 3b (pine cutblock)		
693	WT-22-185			
694	WT-22-186			
653	WT-22-188			
609	WT-22-189			
139	WT-22-190			
37	WT-22-191	No water to measure pH		
547	WT-22-191a			
548	WT-22-191b			
550	WT-22-191c			
539	WT-22-192			
544	WT-22-192a			
600	WT-22-193			
38	WT-22-194			
307	WT-22-194a			
308	WT-22-194b			
140	WT-22-195			
141	WT-22-196			
607	WT-22-199			
142	WT-22-201			
39	WT-22-202			
414	WT-22-202a			
415	WT-22-202b			
416	WT-22-202c			
576	WT-22-202d			
577	WT-22-202e			
40	WT-22-204			
538	WT-22-204a			
540	WT-22-205			
541	WT-22-205a	Ww with western toad tadpoles		
537	WT-22-206			
536	WT-22-207			
41	WT-22-209			
581	WT-22-212			
582	WT-22-213			
583	WT-22-213a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
143	WT-22-215			
309	WT-22-219			
252	WT-22-219a			
42	WT-22-220		No pH or conductivity. Creek flowing too fast. Open water = river	
310	WT-22-220a			
601	WT-22-223			
602	WT-22-223a			
605	WT-22-223b			
606	WT-22-223c			
608	WT-22-223d			
604	WT-22-224			
144	WT-22-226			
145	WT-22-227			
43	WT-22-227a		No water to do pH or conductivity	
306	WT-22-227b			
535	WT-22-227c			
554	WT-22-228			
552	WT-22-229			
553	WT-22-229a			
543	WT-22-231			
610	WT-22-232			
44	WT-22-236		Slope = 0Aspect =999	
615	WT-22-238			
616	WT-22-239			
631	WT-22-243			
146	WT-22-244			
147	WT-22-246			
125	WT-22-247			
148	WT-22-249	Not a wetland.		
149	WT-22-250	Decent sprin spring and summer habitat for grizzly and moose.		
683	WT-22-250a			
150	WT-22-252			
697	WT-22-252a			
645	WT-22-255			
646	WT-22-255a			
647	WT-22-256			
642	WT-22-257a			
765	WT-22-259			
762	WT-22-263			
151	WT-22-268			
659	WT-22-269			
759	WT-22-273			
760	WT-22-273a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
660	WT-22-279			
749	WT-22-283			
152	WT-22-284			
153	WT-22-285			
744	WT-22-286			
743	WT-22-287			
670	WT-22-291			
698	WT-22-294			
701	WT-22-295			
700	WT-22-296			
154	WT-22-298			
702	WT-22-298a			
723	WT-22-307			
720	WT-22-309			
45	WT-22-311			
706	WT-22-312			
156	WT-22-313			
719	WT-22-315			
712	WT-22-316			
715	WT-22-317			
713	WT-22-318			
714	WT-22-319			
711	WT-22-320			
709	WT-22-321			
157	WT-22-323			
584	WT-22-325			
585	WT-22-326			
158	WT-22-328			
159	WT-22-329			
366	WT-22-329a			
471	WT-22-330			
46	WT-22-332			
160	WT-22-332a			
388	WT-22-332b			
47	WT-22-333		Not sure about site association.	
500	WT-22-334			
501	WT-22-334a			
502	WT-22-334b			
161	WT-22-336			
491	WT-22-336a			
492	WT-22-336b			
490	WT-22-338a			
118	WT-22-338b			
162	WT-22-338b1	04		
164	WT-22-338b10	04		
489	WT-22-338b2			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
512	WT-22-338b3			
514	WT-22-338b4			
520	WT-22-338b5			
521	WT-22-338b6			
529	WT-22-338b7			
530	WT-22-338b8			
163	WT-22-338b9	04		
165	WT-22-341			
284	WT-22-343			
571	WT-22-343a			
572	WT-22-343b			
573	WT-22-343c			
574	WT-22-343d			
48	WT-22-345			
166	WT-22-345a			
342	WT-22-345b			
343	WT-22-345c			
344	WT-22-345d			
167	WT-22-347			
304	WT-22-347a			
49	WT-22-348			
168	WT-22-348a			
303	WT-22-348a2			
333	WT-22-349			
263	WT-22-349a			
169	WT-22-350			
337	WT-22-350a			
443	WT-22-351			
444	WT-22-351a			
431	WT-22-352			
433	WT-22-352a			
434	WT-22-352b			
435	WT-22-352c			
436	WT-22-352d			
437	WT-22-352e			
438	WT-22-352f			
440	WT-22-352g			
441	WT-22-352h			
442	WT-22-352i			
171	WT-22-353b	Modified by road and drill pad. Wb08 transitional to Ws07		
170	WT-22-353c	Thick willow cover in places. No Bl or Labrador tea and slight slope indicate Ws07 not Wb08		
172	WT-22-354			
467	WT-22-354a			
50	WT-22-355	Some old trees.		
351	WT-22-355av			
347	WT-22-356			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
349	WT-22-356a			
525	WT-22-357			
173	WT-22-358a			
505	WT-22-358a1			
506	WT-22-358a2			
507	WT-22-358a3			
504	WT-22-358b			
174	WT-22-358c			
175	WT-22-359	Lots of standing and fallen dead trees.		
587	WT-22-359a			
586	WT-22-359b			
591	WT-22-360			
176	WT-22-361b			
487	WT-22-362a			
177	WT-22-362b			
370	WT-22-362b1			
371	WT-22-362b2			
178	WT-22-363			
340	WT-22-363a			
179	WT-22-364			
341	WT-22-364v			
180	WT-22-365			
381	WT-22-365a			
51	WT-22-367			
348	WT-22-367a			
447	WT-22-371			
449	WT-22-371a			
52	WT-22-373			
368	WT-22-373a			
369	WT-22-373b			
181	WT-22-379			
391	WT-22-379a			
182	WT-22-380			
390	WT-22-380a			
183	WT-22-381			
387	WT-22-381a			
184	WT-22-382			
380	WT-22-382a			
185	WT-22-383			
531	WT-22-383a			
532	WT-22-383b			
53	WT-22-390a			
472	WT-22-390b			
524	WT-22-390b1			
54	WT-22-391			
291	WT-22-391a			
186	WT-22-392			
187	WT-22-392a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
188	WT-22-392b			
302	WT-22-392c			
509	WT-22-393			
189	WT-22-394			
190	WT-22-395	Lots of dead snags, seepage area not a wetland		
374	WT-22-395a			
593	WT-22-396			
191	WT-22-397	Herb meadow.		
192	WT-22-397a	Suitable for muskrat due to small open stream and mineral soil.		
588	WT-22-397b			
589	WT-22-397c			
55	WT-22-398			
287	WT-22-398a			
56	WT-22-399			
57	WT-22-403	Large stream through gully with Ws08 on both sides. Excellent condition.		
193	WT-22-404			
335	WT-22-404a			
58	WT-22-405			
334	WT-22-405a			
194	WT-22-406			
195	WT-22-406a			
329	WT-22-406b			
330	WT-22-406c			
196	WT-22-407			
197	WT-22-409			
468	WT-22-409a			
469	WT-22-409b			
476	WT-22-410			
475	WT-22-411			
283	WT-22-413			
480	WT-22-414			
483	WT-22-414a			
484	WT-22-414b			
199	WT-22-416			
200	WT-22-416a			
324	WT-22-416b			
59	WT-22-417			
319	WT-22-417a			
60	WT-22-422			
61	WT-22-423			
288	WT-22-423a			
201	WT-22-424			
62	WT-22-424a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
315	WT-22-424b			
202	WT-22-425			
317	WT-22-425a			
311	WT-22-426			
286	WT-22-427			
203	WT-22-428			
566	WT-22-428a			
63	WT-22-429			
559	WT-22-430			
560	WT-22-430a			
561	WT-22-430b			
64	WT-22-431			
65	WT-22-436			
204	WT-22-438	Wm01 with some permanent water in deeper portion but sedges throughout.		
357	WT-22-439			
205	WT-22-440			
206	WT-22-441			
207	WT-22-442			
66	WT-22-443			
208	WT-22-444			
209	WT-22-446			
210	WT-22-447			
67	WT-22-449			
211	WT-22-450			
598	WT-22-450a			
212	WT-22-451			
596	WT-22-451a			
68	WT-22-453			
69	WT-22-455		Conductivity 38	
213	WT-22-456			
534	WT-22-456a			
557	WT-22-458			
495	WT-22-459			
70	WT-22-465			
318	WT-22-465a			
562	WT-22-465b			
563	WT-22-465c			
71	WT-22-467	Some old trees along stream.		
413	WT-22-467a			
72	WT-22-479			
214	WT-22-479a			
73	WT-22-480			
376	WT-22-480a			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
74	WT-22-481			
215	WT-22-481a			
378	WT-22-481b			
379	WT-22-481c			
356	WT-22-482			
216	WT-22-494	Soils Oh, rich site. Lodgepole dominated canopy		
217	WT-22-495			
372	WT-22-495a			
218	WT-22-496	Lots of standing dead pine and blow down, ver disturbed site from blowdown and road building		
373	WT-22-496a			
75	WT-22-497		Low pH otherwise richer	
375	WT-22-497a			
219	WT-22-498			
220	WT-22-499			
221	WT-22-500			
222	WT-22-501			
223	WT-22-502			
224	WT-22-503			
358	WT-22-503a			
359	WT-22-503b			
360	WT-22-503c			
361	WT-22-503d			
76	WT-22-504			
225	WT-22-505			
226	WT-22-506			
595	WT-22-507			
227	WT-22-509			
77	WT-22-510a			
228	WT-22-510b			
533	WT-22-510c			
229	WT-22-511			
386	WT-22-511a			
230	WT-22-512			
383	WT-22-512a			
384	WT-22-512b			
385	WT-22-512c			
231	WT-22-513			
382	WT-22-513a			
232	WT-22-514			
377	WT-22-514a			
233	WT-22-515			
389	WT-22-515a			
494	WT-22-516			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
234	WT-22-517			
78	WT-22-518			
79	WT-22-519			
496	WT-22-520			
235	WT-22-521			
236	WT-22-522			
237	WT-22-523			
238	WT-22-524			
564	WT-22-531			
313	WT-22-532			
239	WT-22-533			
567	WT-22-533a			
240	WT-22-534	Oh horizon of about 15 cm.		
565	WT-22-534a			
80	WT-22-535			
241	WT-22-540			
558	WT-22-540a			
242	WT-22-556			
362	WT-22-556a			
363	WT-22-556b			
364	WT-22-556c			
365	WT-22-556d			
243	WT-22-557	04		
513	WT-22-557a			
244	WT-22-558			
511	WT-22-558a			
81	WT-22-559		Water level has dropped over past two weeks. Evidence of standing water.	
516	WT-22-560			
517	WT-22-560b			
245	WT-22-561			
515	WT-22-561a			
82	WT-22-569			
418	WT-22-570			
83	WT-22-570a			
419	WT-22-571			
246	WT-22-572			
570	WT-22-583			
575	WT-22-584			
247	WT-22-589			
526	WT-22-591			
248	WT-22-592			
352	WT-22-592a			
249	WT-22-593			
353	WT-22-593a			
84	WT-22-594	Seepage slope and small stream.		

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
250	WT-22-594a			
345	WT-22-594b			
346	WT-22-594c			
85	WT-22-595			
508	WT-22-612			
510	WT-22-613			
522	WT-22-616			
86	WT-22-618			
523	WT-22-618a			
87	WT-22-619			
88	WT-22-620			
253	WT-22-620a			
254	WT-22-621	Not a wetland		
255	WT-22-621a			
301	WT-22-621b			
89	WT-22-621c	Shallow silt layer overtop of parent material. Compacted.		
90	WT-22-623			
256	WT-22-623a			
257	WT-22-623b			
91	WT-22-624			
258	WT-22-624a			
259	WT-22-626			
92	WT-22-627			
93	WT-22-629			
260	WT-22-630	Upland forest with depressions filled with water during wet years		
261	WT-22-631			
262	WT-22-632			
94	WT-22-633			
527	WT-22-634			
95	WT-22-635			
96	WT-22-636			
332	WT-22-637			
97	WT-22-638			
331	WT-22-638a			
98	WT-22-639			
264	WT-22-639a			
327	WT-22-639b			
328	WT-22-639c			
326	WT-22-640			
265	WT-22-641			
339	WT-22-641a			
266	WT-22-642			
338	WT-22-642a			
267	WT-22-643			
325	WT-22-643a			
268	WT-22-644			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
320	WT-22-644a			
251	WT-22-645			A lot of dead and dying trees, beaver nearby may halve an impact.
323	WT-22-645a			
269	WT-22-646			
270	WT-22-646a			
321	WT-22-646b			
322	WT-22-646c			
481	WT-22-647			
482	WT-22-647a			
485	WT-22-647b			
486	WT-22-647c			
455	WT-22-648			
478	WT-22-648a			
479	WT-22-649			
477	WT-22-650			
448	WT-22-651			
99	WT-22-652			
432	WT-22-652a			
439	WT-22-653			
271	WT-22-655			
100	WT-22-656			
452	WT-22-656a			
453	WT-22-656b			
454	WT-22-656c			
272	WT-22-657			
460	WT-22-657a			
101	WT-22-660			
273	WT-22-660a			
102	WT-22-661			
103	WT-22-662			
274	WT-22-662a	Transitional to SBSmc3.		
592	WT-22-662b			
594	WT-22-662c			
285	WT-22-664			
275	WT-22-665	Organic veneer over compact silty clay base Moose pellets observed around waters edge		
312	WT-22-665a			
276	WT-22-666	Moist forested site with lots of blowdown, convex hummock		
314	WT-22-666a			
316	WT-22-667			
104	WT-22-669			
277	WT-22-670			
278	WT-22-671			
105	WT-22-673			

Table H-1: Wetland Baseline Data (2022) - Plots

Object ID	Plot ID	notes both	notes soil	notes veg
279	WT-22-673a			
555	WT-22-674			
556	WT-22-674a			
450	WT-22-675			
451	WT-22-675a			
280	WT-22-676			
518	WT-22-676a			
519	WT-22-676b			
198	WT-22-679			
106	WT-22-687			
336	WT-22-687a			
367	WT-22-721			
633	WT-22-755			
281	WT-22-777			
629	WT-22-783			
758	WT-22-814			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1	MC01	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						98
2	MC01	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						2
3	MC01	Blackwater	*Rorippa palustris ssp. palustris*	RORIPAL8	marsh yellowcress	Yellow	No Status	Herb						0.001
4	MC01	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						1
5	MC01	Blackwater						Moss or Lichen						
6	MC02	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					50	
7	MC02	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
8	MC02	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						30
9	MC02	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					18	
10	MC02	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						60
11	MC02	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						20
12	MC02	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						2
13	MC02	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						5
14	MC02	Blackwater	*Poa pratensis ssp. pratensis*	POA_PRA4	Kentucky bluegrass	Exotic	No Status	Herb						5
15	MC02	Blackwater	*Galium trifidum ssp. trifidum*	GALITRD2	small bedstraw	Yellow	No Status	Herb						0.001
16	MC02	Blackwater	*Viola macloskeyi*	VIOLMAL	small white violet	Yellow	No Status	Herb						0.001
17	MC02	Blackwater	*Rorippa palustris ssp. palustris*	RORIPAL8	marsh yellowcress	Yellow	No Status	Herb						0.001
19	MC03	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		10	10	1	4	
20	MC03	Blackwater	*Salix scouleriana*	SALISCO	Scouler's willow	Yellow	No Status	Tree or Shrub	0	0	0	15	3	
21	MC03	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						4
22	MC03	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						40
23	MC03	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						2
24	MC03	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					2	
25	MC03	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						2
26	MC03	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						5
27	MC05	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub	0	0	0	30	50	
28	MC05	Blackwater	*Sanguisorba stipulata*	SANGSTI	Sitka burnet	Yellow	No Status	Herb						40
29	MC05	Blackwater	*Poa pratensis ssp. pratensis*	POA_PRA4	Kentucky bluegrass	Exotic	No Status	Herb						45
30	MC05	Blackwater	*Ribes oxyacanthoides var. oxyacanthoides*	RIBEOXY2	northern gooseberry	Yellow	No Status	Herb						6
31	MC05	Blackwater	*Delphinium glaucum*	DELPGLA	tall larkspur	Yellow	No Status	Herb						1
32	MC05	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						1
33	MC05	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
34	MC05	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						5
35	MC06	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	85	
36	MC06	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	0	1	0.001	
37	MC06	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	5	
38	MC06	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						40
39	MC06	Blackwater						Moss or Lichen						
40	MC06	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						1
41	MC07	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	50	
42	MC07	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	2	15	2	
43	MC07	Blackwater	*Salix glauca var. villosa*	SALIGLA2	grey-leaved willow	Yellow	No Status	Tree or Shrub	0	0	0	0	8	
44	MC07	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	30	
45	MC07	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	15	
46	MC07	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						50
47	MC07	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						4
48	MC07	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1	MC01			no		no			
2	MC01			no		no			
3	MC01			no		no			
4	MC01			no		no			
5	MC01	3		no		no			
6	MC02			no		no			
7	MC02			no		no			
8	MC02			no		no			
9	MC02			no		no			
10	MC02			no		no			
11	MC02			no		no			
12	MC02			no		no			
13	MC02			no		no			
14	MC02			no		no			
15	MC02			no		no			
16	MC02			no		no			
17	MC02			no		no			
19	MC03			no		no			
20	MC03			no		no			
21	MC03			no		no			
22	MC03			no		no			
23	MC03			no		no			
24	MC03			no		no			
25	MC03			no		no			
26	MC03			no		no			
27	MC05			no		no			
28	MC05			no		no			
29	MC05			no		no			
30	MC05			no		no			
31	MC05			no		no			
32	MC05			no		no			
33	MC05			no		no			
34	MC05			no		no			
35	MC06			no		no			
36	MC06			no		no			
37	MC06			no		no			
38	MC06			no		no			
39	MC06	90		no		no			
40	MC06			no		no			
41	MC07			no		no			
42	MC07			no		no			
43	MC07			no		no			
44	MC07			no		no			
45	MC07			no		no			
46	MC07			no		no			
47	MC07			no		no			
48	MC07			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1	MC01	2022-07-08 13:50	EcoLogic_Consultants	2022-07-13 3:33	mrobinson_ConsultEcoLogic	{4b6a1129-c0dd-4727-aec1-45c5ec0a1b3f}	{59a34211-814f-4244-98d9-0ea34cd2fadd}
2	MC01	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{f2af3503-4188-4d7e-a0c3-7d6801a240b7}	{59a34211-814f-4244-98d9-0ea34cd2fadd}
3	MC01	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{afda568b-cd28-4bc6-8369-df1b4d7d6cb5}	{59a34211-814f-4244-98d9-0ea34cd2fadd}
4	MC01	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{67f10291-c19d-4b36-88e8-dfb72d49648e}	{59a34211-814f-4244-98d9-0ea34cd2fadd}
5	MC01	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{2eb980e6-0c48-4c81-aabd-18d013163827}	{59a34211-814f-4244-98d9-0ea34cd2fadd}
6	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{30b6479a-9c73-4473-b006-13fbe95d3a29}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
7	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{fa15b15b-40c0-433b-b7c0-08a18646199e}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
8	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{82b2a381-5065-4ec3-97d2-42bc247f1195}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
9	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{8e37f6d8-0a31-43b8-b186-bd1122b3a67e}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
10	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{0358f68c-5830-450a-aa49-3a96ac108dca}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
11	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{c8c61e43-3df6-4705-8865-42cedd912150}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
12	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{8fb8441a-ea76-4a5f-965b-f0485335e830}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
13	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{075813d8-599f-4a74-928e-03467d080296}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
14	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{c8159a8f-6c2f-45d9-adac-439e1f587953}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
15	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{603e0438-0cc6-46d7-bb05-fe877f7fc952}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
16	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{29eb6e6b-6830-4e27-98d8-c218e2c228f7}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
17	MC02	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3c94e0c5-ad91-4a64-9eb5-e7ab46ccfb79}	{b97b0c71-c3cf-4c41-9f40-1a9e52c26c83}
19	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{f624014e-68ed-46e8-ac20-20276d484dc4}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
20	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{a780ed05-fcb8-4c85-b8b6-7c4133175366}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
21	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3f82bf7e-143f-4838-ba98-5f7b22049ad8}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
22	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{8c87b5b6-01df-463d-897f-37f9a3662417}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
23	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{b3d8eace-474a-48f8-ba71-2c31f79f4ee2}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
24	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{790aeade-2cb4-431a-ae00-e7489ba797e7}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
25	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{46dc2619-b6d0-43a5-8c10-0e82d29ca366}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
26	MC03	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{f54ff86b-fe22-4a77-9559-ed1823ec682b}	{937c49f8-5c17-4de5-b38b-f0e83527e0f0}
27	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{5ccd6f7a-9a73-48dd-a282-b0bc6ab6df0a}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
28	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{531edb79-3768-42ec-82d4-1051b029583b}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
29	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{e4760faf-3f06-45c9-9ad0-17eb1c126b6c}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
30	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{7af69702-4ede-4551-aced-cc141585590b}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
31	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{bec446dd-c90f-4b21-b09e-d2894544288d}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
32	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{7eed6d61-40c3-4335-a67a-5cc6d61daa1b}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
33	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{1b39fb35-806e-4072-a3cf-3879dde3f6bf}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
34	MC05	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{763e7f62-dfb2-441d-8c3c-29e69ebf2801}	{6c86602d-b040-4d96-8044-f715c2bcfc00}
35	MC06	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{b1e9f002-7775-4130-b28c-199a1535f94b}	{ee6dcc91-6824-4064-8d35-78a41eb9cb73}
36	MC06	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{fede3b3b-c1f0-4737-b86a-63c513761e13}	{ee6dcc91-6824-4064-8d35-78a41eb9cb73}
37	MC06	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{e37b4bd1-0808-4a7e-bf96-842595ca9ec4}	{ee6dcc91-6824-4064-8d35-78a41eb9cb73}
38	MC06	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{f0462743-6c0b-4d31-be26-5768ac2a3ffa}	{ee6dcc91-6824-4064-8d35-78a41eb9cb73}
39	MC06	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{474f6cda-b41c-434f-bc8b-6498ffdf21fd}	{ee6dcc91-6824-4064-8d35-78a41eb9cb73}
40	MC06	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{cc4aa89d-4e7f-4abd-a5cf-c9a5eba1884e}	{ee6dcc91-6824-4064-8d35-78a41eb9cb73}
41	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{83a52bb3-5f81-4fa2-b6b8-1c92d9bd5ba2}	{166be53b-c40c-4009-af85-c8f32a37ed27}
42	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{55cfd6a3-8099-4e14-83c0-01faa68f33d7}	{166be53b-c40c-4009-af85-c8f32a37ed27}
43	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{e794d7db-e998-483d-82d1-383c5f690acf}	{166be53b-c40c-4009-af85-c8f32a37ed27}
44	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{84161c3c-6c56-48db-b16a-c1e62e523f3f}	{166be53b-c40c-4009-af85-c8f32a37ed27}
45	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{f6b77863-2467-47d6-a98e-7982fe638481}	{166be53b-c40c-4009-af85-c8f32a37ed27}
46	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{9a7bc257-923e-462b-84c2-dab4fa22c430}	{166be53b-c40c-4009-af85-c8f32a37ed27}
47	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{d32bbee1-3b26-4c18-bfd4-a4bc3406dba5}	{166be53b-c40c-4009-af85-c8f32a37ed27}
48	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{ae3c209a-0224-4a17-bba4-935c650f0fa2}	{166be53b-c40c-4009-af85-c8f32a37ed27}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
49	MC07	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
50	MC07	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
51	MC08	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	10	10	6	1	
52	MC08	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						30
53	MC08	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						5
54	MC08	Blackwater	*Salix scouleriana*	SALISCO	Scouler's willow	Yellow	No Status	Tree or Shrub	0	0	0	6	30	
55	MC08	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
56	MC08	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						3
57	MC08	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
58	MC08	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
59	MC08	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						1
60	MC08	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
61	MC08	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						1
62	MC11	Blackwater	*Eriophorum viridicarinatum*	ERIOVIR	green-keeled cotton-grass	Yellow	No Status	Herb						15
63	MC11	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	30	
64	MC11	Blackwater	*Carex diandra*	CAREDIA	lesser-panicled sedge	Yellow	No Status	Herb						4
65	MC11	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						10
66	MC11	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						40
68	MC11	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						2
70	MC11	Blackwater	*Eriophorum chamissonis var. albidum*	ERIOCHA4	Chamisso's cotton-grass	Unknown	No Status	Herb						1
71	MC11	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
72	MC11	Blackwater						Moss or Lichen						
74	MC12	Blackwater	*Poa pratensis ssp. pratensis*	POA_PRA4	Kentucky bluegrass	Exotic	No Status	Herb						99
75	MC12	Blackwater	*Taraxacum officinale*	TARAOFF	common dandelion	Exotic	No Status	Herb						5
76	MC12	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						4
77	MC12	Blackwater	*Phleum pratense ssp. pratense*	PHLEPRA1	common timothy	Exotic	No Status	Herb						1
78	MC12	Blackwater	*Ranunculus acris*	RANUACR	meadow buttercup	Exotic	No Status	Herb						1
79	MC12	Blackwater	*Anthoxanthum hirtum*	ANTHHIR	hairy sweetgrass	Yellow	No Status	Herb						0.001
80	MC12	Blackwater	*Trifolium hybridum*	TRIFHYB	alsike clover	Exotic	No Status	Herb						1
81	MC12	Blackwater	*Galium boreale*	GALIBOR	northern bedstraw	Yellow	No Status	Herb						0.001
82	MC12	Blackwater	*Carex praticola*	CAREPRT	meadow sedge	Yellow	No Status	Herb						1
83	MC12	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						8
84	MC14	Blackwater	*Salix glauca var. villosa*	SALIGLA2	grey-leaved willow	Yellow	No Status	Tree or Shrub	0	0	0	0	90	
85	MC14	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	2	1	
86	MC14	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						80
87	MC14	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						0.001
88	MC14	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						6
89	MC16	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	5	15	4	
90	MC16	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	0	2	0	
91	MC16	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	6	
92	MC16	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
93	MC16	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	40	
94	MC16	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						80
95	MC16	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						10
96	MC16	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						1
97	MC16	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
98	MC20	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0	0	0	10	2	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
49	MC07			no		no			
50	MC07			no		no			
51	MC08			no		no			
52	MC08			no		no			
53	MC08			no		no			
54	MC08			no		no			
55	MC08			no		no			
56	MC08			no		no			
57	MC08			no		no			
58	MC08			no		no			
59	MC08			no		no			
60	MC08			no		no			
61	MC08			no		no			
62	MC11			no		no			
63	MC11			no		no			
64	MC11			no		no			
65	MC11			no		no			
66	MC11			no		no			
68	MC11			no		no			
70	MC11			no		no			
71	MC11			no		no			
72	MC11	5		yes		no			
74	MC12			no		no			
75	MC12			no		no			
76	MC12			no		no			
77	MC12			no		no			
78	MC12			no		no			
79	MC12			no		no			
80	MC12			no		no			
81	MC12			no		no			
82	MC12			no		no			
83	MC12			no		no			
84	MC14			no		no			
85	MC14			no		no			
86	MC14			no		no			
87	MC14			no		no			
88	MC14			no		no			
89	MC16			no		no			
90	MC16			no		no			
91	MC16			no		no			
92	MC16			no		no			
93	MC16			no		no			
94	MC16			no		no			
95	MC16			no		no			
96	MC16			no		no			
97	MC16			no		no			
98	MC20			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
49	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{8118a8c7-de13-4cb5-9692-624a76a490b0}	{166be53b-c40c-4009-af85-c8f32a37ed27}
50	MC07	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{112dd034-a268-4fc5-9984-a80234f563ef}	{166be53b-c40c-4009-af85-c8f32a37ed27}
51	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{e8b92b57-6472-4eb3-a2a5-d6856c9aca73}	{fd991904-d29a-46bf-b2e7-b220237c2486}
52	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{708b0d49-d658-4c10-b0c0-929998b041f5}	{fd991904-d29a-46bf-b2e7-b220237c2486}
53	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{7d4d084f-3a1b-416d-927e-8dea89f3a541}	{fd991904-d29a-46bf-b2e7-b220237c2486}
54	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{c0b818cc-93e5-4a8a-bbaa-c73c39e3cb1d}	{fd991904-d29a-46bf-b2e7-b220237c2486}
55	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{d7771278-4b3b-4fb6-b5d1-cc0150e38405}	{fd991904-d29a-46bf-b2e7-b220237c2486}
56	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{7ce67569-9d67-4902-a8ca-36862195bf32}	{fd991904-d29a-46bf-b2e7-b220237c2486}
57	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{54d0c08d-f052-4ce7-af62-0c53164345e9}	{fd991904-d29a-46bf-b2e7-b220237c2486}
58	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{8d29cc12-730f-467f-88dd-45d8ee5f5369}	{fd991904-d29a-46bf-b2e7-b220237c2486}
59	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{cb2c7b99-3343-41c4-9dc7-60b7f68ba180}	{fd991904-d29a-46bf-b2e7-b220237c2486}
60	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{bf918eb3-fdf4-4218-b5fa-dccb3162dcfe}	{fd991904-d29a-46bf-b2e7-b220237c2486}
61	MC08	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3715fa0b-e301-4eda-a97f-01cbf72298d8}	{fd991904-d29a-46bf-b2e7-b220237c2486}
62	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{d5420b00-9c9f-41a4-8a49-d50295ab73b5}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
63	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{1bc4b1e0-1561-43c8-9bfa-7ae008ba07fe}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
64	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{97e01df0-d548-4f34-a9f1-17f4338761a4}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
65	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{e9fbefd4-7fd6-465c-a486-7124d12339da}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
66	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3ef7f96d-0523-476a-9357-26ffb76f6917}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
68	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{64ba8249-bc3d-4504-8c2d-3258e080f571}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
70	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{fe65724e-050f-4bd3-9a98-3f138954940f}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
71	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{5a214b06-5694-49e9-b2c1-01917f34db47}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
72	MC11	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{d6fb0755-bdda-41c2-b110-f5d0adbe1081}	{58b6672c-d2e0-4fd2-8558-c6e658749682}
74	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3a02fd6c-369e-4f72-9df1-edc2b804e591}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
75	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3cceae80-ce41-46b8-a657-31142169b814}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
76	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{c1f8cb29-1efe-40d0-aec3-88d09422cb31}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
77	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{d7147a5b-1e7f-4073-829d-2e89d7a275bf}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
78	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{7915eb6e-de75-45ba-acca-36ffcb5b7907}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
79	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{834f782d-7b10-4bd7-af83-07f259c943f1}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
80	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{3610b2ae-34bc-4f55-b8bc-434227a977cf}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
81	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{a1c65035-07c7-43e7-ba4c-86efdfd790ea}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
82	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{51df4e76-a242-4865-89f7-c2a81e43511f}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
83	MC12	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{ed00d615-de65-47f1-8cf4-777d3970f2ed}	{5c794e9c-1885-4a31-ba6a-465bec482ec8}
84	MC14	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{ba5cabd1-4828-4fc1-acde-2f290153200c}	{3c6c17d1-074f-4715-8def-307b1b444d6b}
85	MC14	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{2aed760b-aa8a-4f12-b381-166b5dabef22}	{3c6c17d1-074f-4715-8def-307b1b444d6b}
86	MC14	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{900c2986-b219-4224-abbf-b489c5eb9619}	{3c6c17d1-074f-4715-8def-307b1b444d6b}
87	MC14	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{54e4965d-b083-47a0-84fd-4477a792972b}	{3c6c17d1-074f-4715-8def-307b1b444d6b}
88	MC14	2022-07-08 13:50	EcoLogic_Consultants	2022-07-08 13:50	EcoLogic_Consultants	{11f8554d-11ed-47ab-94b0-b0d5ac96aed2}	{3c6c17d1-074f-4715-8def-307b1b444d6b}
89	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{913b185c-80d4-44e3-be1b-3828a31d2d2e}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
90	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{948ca5b0-a759-41be-80f5-84afedae0a31}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
91	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{99a5695e-6c2c-4ca9-a99b-eb833b5194f8}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
92	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{1675cf1b-9a45-4e02-ade6-519e858543a8}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
93	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{96f7587d-dfdb-478a-867b-095e91cd65f3}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
94	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{119c0ea3-d43d-4bc6-b3a3-c26f14903e63}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
95	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{bccb7c0d-901e-4f9c-8325-e8793ce186d8}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
96	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{be1732a8-0493-4944-b44d-4ce043932f9e}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
97	MC16	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{83f178ce-2fa7-44da-a058-d40eec40c842}	{ed453fcf-1c00-458f-b23e-a90e15e19085}
98	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{1716c700-8ac2-4c4b-bae2-e7af5afc0e01}	{a44071a2-25ce-4fb0-8cd7-376738effccd}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
99	MC20	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	50	
100	MC20	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
101	MC20	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub	0	0	0	0	4	
102	MC20	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	0	0	4	
103	MC20	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						3
104	MC20	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
105	MC20	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						2
106	MC20	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						1
107	MC20	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						1
108	MC20	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
109	MC21	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	0	30	5	
110	MC21	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
111	MC21	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	2	70	
112	MC21	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	20	
113	MC21	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
114	MC21	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						0.001
115	MC21	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						15
116	MC21	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						15
117	MC21	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						1
118	MC21	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						0.001
119	MC21	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
120	MC21	Blackwater	*Petasites frigidus var. x vitifolius*	PETAFRI5	vine-leaved coltsfoot	No Status	No Status	Herb						0.001
121	MC22	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	60	
122	MC22	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	25	
123	MC22	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						3
124	MC22	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
125	MC22	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						15
126	MC22	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						0.001
127	MC22	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
128	MC22	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						0.001
129	MC22	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
130	MC23	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	50	
131	MC23	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						80
132	MC23	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
133	MC23	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						5
134	MC23	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						15
135	MC23	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						3
136	MC23	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
137	MC23	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						0.001
138	MC24	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						98
139	MC24	Blackwater	*Rumex occidentalis*	RUMEOCC	western dock	Yellow	No Status	Herb						0.001
140	MC24	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						2
141	WT-22-673	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						75
142	WT-22-673	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						7
143	WT-22-673	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						3
144	WT-22-673	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
145	WT-22-673	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
99	MC20			no		no			
100	MC20			no		no			
101	MC20			no		no			
102	MC20			no		no			
103	MC20			no		no			
104	MC20			no		no			
105	MC20			no		no			
106	MC20			no		no			
107	MC20			no		no			
108	MC20			no		no			
109	MC21			no		no			
110	MC21			no		no			
111	MC21			no		no			
112	MC21			no		no			
113	MC21			no		no			
114	MC21			no		no			
115	MC21			no		no			
116	MC21			no		no			
117	MC21			no		no			
118	MC21			no		no			
119	MC21			no		no			
120	MC21			no		no			
121	MC22			no		no			
122	MC22			no		no			
123	MC22			no		no			
124	MC22			no		no			
125	MC22			no		no			
126	MC22			no		no			
127	MC22			no		no			
128	MC22			no		no			
129	MC22			no		no			
130	MC23			no		no			
131	MC23			no		no			
132	MC23			no		no			
133	MC23			no		no			
134	MC23			no		no			
135	MC23			no		no			
136	MC23			no		no			
137	MC23			no		no			
138	MC24			no		no			
139	MC24			no		no			
140	MC24			no		no			
141	WT-22-673			no		no			
142	WT-22-673			no		no			
143	WT-22-673			no		no			
144	WT-22-673			no		no			
145	WT-22-673			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
99	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{cc61ba23-5409-4e1c-8c82-a391a7d63dcc}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
100	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{95c74e24-81ac-4d64-a753-4ed6d773a63a}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
101	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{320d6b8c-83cd-4a29-8ca0-23248206a987}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
102	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{5af1e454-1f6c-4efd-b960-c7a4ac03c2d8}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
103	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{6139e0a3-81cc-452d-834d-bd5198ef37b9}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
104	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{5277d987-a9d2-45ef-9d41-7c7a78e533d1}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
105	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{cadf102d-37d6-4244-bfd9-b3e80fa883a0}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
106	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{6f484881-17b6-4efe-9416-5fa26099d8c9}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
107	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{33ea6043-f834-4708-9a62-9ac911804da1}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
108	MC20	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{a16e74a3-a558-445f-a09e-c0171a94a761}	{a44071a2-25ce-4fb0-8cd7-376738effccd}
109	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{bab54a4f-6ea1-4fc1-8155-7eb6af100969}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
110	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{0567651c-982b-48db-a97a-ba8f18ef11b2}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
111	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{f544a83d-db0f-4deb-a511-ed2a6b7ee864}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
112	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{bf709be0-3908-4bd8-8715-445985d522ac}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
113	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{62a772cd-f23c-42c1-9d46-577d89024eb0}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
114	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{75b7ef63-faed-4828-9d73-f1e6a5e0661d}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
115	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{f46eaf54-118d-4c0d-9bcf-83e3c140627e}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
116	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{b1a5857e-1fd6-4877-875b-5f2b8133da9f}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
117	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{03d3d99a-8beb-4cff-b74b-cfcb7a96d860}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
118	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{982a52e3-5b3a-4ea9-bdcc-31be44df0daf}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
119	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{b05f6787-8b0c-481d-8d8d-6faba1acbeb9}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
120	MC21	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{0c178223-9dc0-4b0d-ba51-b6a013186328}	{b4e00cb4-0c10-4d3a-bc4b-91f5c2169b8d}
121	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{caf167e8-bbb3-4399-8ed9-08ccb0ce1557}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
122	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{954741a8-ccf4-4b58-b217-70c94a76f62b}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
123	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{b56e0146-251b-4758-963f-521415a1b097}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
124	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{1d0ecfc1-5ca7-4095-beba-3aed6df58c74}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
125	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{ed5a4e3f-b8e0-4246-8129-06611ffa7771}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
126	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{d1d001ba-770d-4023-8b24-fb839424db91}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
127	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{858a5213-ffa2-4e15-9f7b-b5c3147e9661}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
128	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{08ed8514-6fde-4ebf-9d52-fdaade4a61cd}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
129	MC22	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{78cf6333-8170-4725-8515-8512ae9158c0}	{c6fc6884-9901-427d-8a14-dde9da43cbce}
130	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{e9fa6b4a-2dcb-48f9-8fab-3e8aeea1d254}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
131	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{e9180c4f-026a-4fb0-b799-8af2d474e6a8}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
132	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{a32b233f-b52b-458e-a775-48ead65d8fd9}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
133	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{1915148f-9a80-4812-8b68-3ca6d62a0f55}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
134	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{e1d2f441-dc65-47f0-80ae-26f09adf3976}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
135	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{b8f97330-8416-44c4-b701-42e96d286992}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
136	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{ebbdb5d5-3aa5-4f49-9252-a49b0eb1147a}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
137	MC23	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{9a2c68d4-bbd1-46c0-bcd8-d375658598dd}	{3d378997-b8f6-4250-8dae-540d2b5e967e}
138	MC24	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{6e48b1d6-e9af-45c5-8943-08cefeff3d33}	{5b8980b9-aebe-41ee-ac51-7805c732cf3d}
139	MC24	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{34a60e13-faea-4b0c-80c1-f3f695c3db07}	{5b8980b9-aebe-41ee-ac51-7805c732cf3d}
140	MC24	2022-07-08 13:51	EcoLogic_Consultants	2022-07-08 13:51	EcoLogic_Consultants	{f4a407c8-c766-4cd0-a92b-638c447352fe}	{5b8980b9-aebe-41ee-ac51-7805c732cf3d}
141	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{7b11136a-c6e3-4036-8be3-0e91ce308730}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
142	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c78f8d21-0ed7-4053-b001-90fc165d16f7}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
143	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{4791e7f6-e91a-4bab-966f-8b4a39925099}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
144	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{39853943-3c0d-4ca5-ba19-c90dfd46c183}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
145	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{0869ee61-29ee-4d85-aa32-9ac89b91f795}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
146	WT-22-673	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						1
147	WT-22-673	Blackwater	*Viola epipsila var. repens*	VIOLEPI1	dwarf marsh violet	Yellow	No Status	Herb						0.5
148	WT-22-673	Blackwater	*Viola macloskeyi*	VIOLMAL	small white violet	Yellow	No Status	Herb						1
149	WT-22-673	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					2	
150	WT-22-673	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Herb						1
151	WT-22-673	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
152	WT-22-673	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
153	WT-22-673	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
154	WT-22-673	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					1	
155	WT-22-673	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub					1	
156	WT-22-673	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						1
157	WT-22-453	Blackwater	*Veratrum viride var. eschscholzianum*	VERAVIR3	green false-hellebore	Yellow	No Status	Herb						1
158	WT-22-453	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						25
159	WT-22-453	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						20
160	WT-22-453	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						2
161	WT-22-453	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						7
162	WT-22-453	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						5
163	WT-22-453	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						3
164	WT-22-453	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		30		5		
165	WT-22-453	Blackwater	*Rhododendron albiflorum*	RHODALB	white-flowered rhododendron	Yellow	No Status	Tree or Shrub					3	
166	WT-22-453	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						5
167	WT-22-453	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						3
168	WT-22-453	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						2
169	WT-22-453	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
170	WT-22-453	Blackwater	*Peltigera aphthosa*	PELTAPH	silver-edge pelt	Yellow	No Status	Moss or Lichen						
171	WT-22-453	Blackwater	*Tortula species*	TORTULA	Tortula species	none	none	Moss or Lichen						
172	WT-22-453	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
173	WT-22-453	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
174	WT-22-453	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
175	WT-22-453	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						3
176	WT-22-453	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Herb						3
177	WT-22-453	Blackwater	*Tiarella trifoliata var. unifoliata*	TIARTRI2	one-leaved foamflower	Yellow	No Status	Herb						3
178	WT-22-453	Blackwater	*Viola macloskeyi*	VIOLMAL	small white violet	Yellow	No Status	Herb						0.5
179	WT-22-453	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						1
180	WT-22-453	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					2	
181	WT-22-453	Blackwater	*Ceratodon purpureus*	CERAPUR		Yellow	No Status	Moss or Lichen						
182	WT-22-453	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						2
183	WT-22-629	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						55
184	WT-22-629	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						10
185	WT-22-629	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						15
186	WT-22-629	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
187	WT-22-629	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
188	WT-22-629	Blackwater	*Aulacomnium species*	AULACOM	Aulacomnium species	none	none	Moss or Lichen						
189	WT-22-629	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					1	
190	WT-22-629	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				7	2	
191	WT-22-629	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						1
192	WT-22-629	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						0.5

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
146	WT-22-673			no		no			
147	WT-22-673			no		no			
148	WT-22-673			no		no			
149	WT-22-673			no		no			
150	WT-22-673			no		no			
151	WT-22-673	25		no		no			
152	WT-22-673	5		no		no			
153	WT-22-673	1		no		no			
154	WT-22-673			no		no			
155	WT-22-673			no		no			
156	WT-22-673			no		no			
157	WT-22-453			no		no			
158	WT-22-453			no		no			
159	WT-22-453			no		no			
160	WT-22-453			no		no			
161	WT-22-453			no		no			
162	WT-22-453			no		no			
163	WT-22-453			no		no			
164	WT-22-453			no		no			
165	WT-22-453			no		no			
166	WT-22-453			no		no			
167	WT-22-453			no		no			
168	WT-22-453			no		no			
169	WT-22-453	5		no		no			
170	WT-22-453	0.5		no		no			
171	WT-22-453	1		no		no			
172	WT-22-453	5		no		no			
173	WT-22-453	3		no		no			
174	WT-22-453	5		no		no			
175	WT-22-453			no		no			
176	WT-22-453			no		no			
177	WT-22-453			no		no			
178	WT-22-453			no		no			
179	WT-22-453			no		no			
180	WT-22-453			no		no			
181	WT-22-453	1		no		no			
182	WT-22-453			no		no			
183	WT-22-629			no		no			
184	WT-22-629			no		no			
185	WT-22-629			no		no			No heads, potentially aquatilis
186	WT-22-629	55		no		no			
187	WT-22-629	40		no		no			
188	WT-22-629	5		no		no			
189	WT-22-629			no		no			
190	WT-22-629			no		no			
191	WT-22-629			no		no			
192	WT-22-629			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
146	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{af3d4eeb-03dd-47df-a4b8-9c1a2bbecb18}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
147	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{388a9625-a0e4-4f76-a3f5-5ef62d144670}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
148	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2e49845e-5147-47b6-aff7-6f376844bbc1}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
149	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{31451abd-ed68-463e-8668-389246b3bf5f}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
150	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{6d0f0b38-c9c9-424d-9120-1d7c9769fa1f}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
151	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{a52f2ec6-21ab-4a5b-af13-88147c2461e5}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
152	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{79c772c8-62d7-40bf-9d9e-3ed7e10804c3}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
153	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{1b697454-1f28-454f-973e-6ed3fcdc166c}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
154	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{27a4073c-1183-41a7-87d4-a85469ffe859}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
155	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{f5efff1b-75fa-4a0f-8599-fe8f6642943e}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
156	WT-22-673	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{368fc5fe-9efe-4876-9326-8de9d74a1673}	{ef4247bb-6a4b-431a-8595-3103d16eaad3}
157	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{e6d72129-5405-4ea8-ad66-040a8077818a}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
158	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{9b595ffe-191b-46db-93fc-8ea82bbd5180}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
159	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{6e257ee9-6de5-4b21-b314-de91feb26f9d}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
160	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{92b16544-4c11-4a96-992f-e1331fcbc975}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
161	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{da68814a-c822-4391-9e01-35c86cbcf9d9}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
162	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{9460a4f8-3e07-4574-acef-1f7765686466}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
163	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{30457548-af9e-4e27-83c9-a2e7c0345b67}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
164	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{8d39a834-d28c-4fbd-b46c-fa2d838d9bec}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
165	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{6ef271ea-1c74-461f-9473-bebe577f3a94}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
166	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{254936c7-ed44-46df-af4d-68191ded076a}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
167	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c7b1aacc-528d-4a4e-88f0-3102e682911b}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
168	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{bbd389e9-9163-4e42-9057-1718eb11dd9e}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
169	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{7e74b236-4066-4423-bc71-aaacecc5f859}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
170	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{612d0730-7e9c-4060-84ba-000dfb46e2a6}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
171	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c1a335de-925a-488b-a830-3e4646c6eba1}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
172	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{29b3f8d1-f551-4c33-b3d1-fa2e15c3af24}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
173	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{ddea07b5-da4a-4b1d-917c-d75a4caf0d03}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
174	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{cd953253-25d6-4ce5-a0ec-e969500e665c}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
175	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{7b1bb5ab-36e9-4122-9ef3-9e0db0235dd2}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
176	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c757363d-50aa-4aa2-a650-0aa8da4b8478}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
177	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{85656f9f-ac3a-4a40-8670-dc510cb1aba8}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
178	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{039d1d06-d564-46bc-a9a9-c852d9e192e1}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
179	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{401bf23a-7243-4017-98eb-f77e1ca4e6d6}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
180	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{f8c13e1c-6df2-4816-b81a-2b98b7c0a969}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
181	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{b9f8320a-e59f-4ffd-8472-c57b1e6a05ee}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
182	WT-22-453	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{3f65a228-4783-40ab-8080-4658f8bc980f}	{fc574136-4d43-4ad1-9302-97e8e1dffd41}
183	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{706a0cda-59d8-4e82-a347-8875a1a46e32}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
184	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{11c27475-2399-4b5b-946b-9eeac093ab3d}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
185	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{be81aecf-e5a9-426d-9f27-99f5629611cd}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
186	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{a3521892-8c58-42ff-ac46-b11e82c840c3}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
187	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{101e5db1-c231-49a5-812b-d3d97084cdd1}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
188	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{491e7a7b-92e6-420c-bc9b-040368de80aa}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
189	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{0d21d439-fbb9-45b8-8884-4da132a3f4b7}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
190	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{3c3628cf-acda-49d3-b2a2-984f7977e5ca}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
191	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{77ae0fd1-19e8-45bd-8cad-5f08ce46117d}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}
192	WT-22-629	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{79cddcd3-9e5d-474d-b210-c8562cc432de}	{b44c1f4e-cb49-4c93-9b92-1d4b0cf25093}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
193	WT-22-627	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
194	WT-22-627	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						5
195	WT-22-627	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						3
196	WT-22-627	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						3
197	WT-22-627	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Herb						55
198	WT-22-627	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Herb						3
199	WT-22-627	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						3
200	WT-22-627	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						2
201	WT-22-627	Blackwater	*Viola macloskeyi*	VIOLMAL	small white violet	Yellow	No Status	Herb						1
202	WT-22-627	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				4	1	
203	WT-22-627	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				3	2	
204	WT-22-627	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						1
205	WT-22-627	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						1
206	WT-22-627	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
207	WT-22-627	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						3
208	WT-22-627	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						0.5
209	WT-22-627	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
210	WT-22-627	Blackwater	*Juncus drummondii*	JUNCDRU	Drummond's rush	Yellow	No Status	Herb						
211	WT-22-627	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						1
212	WT-22-627	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
213	WT-22-627	Blackwater	*Tortula species*	TORTULA	Tortula species	none	none	Moss or Lichen						
214	WT-22-633	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
215	WT-22-633	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
216	WT-22-633	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Herb						3
217	WT-22-633	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Herb						25
218	WT-22-633	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						3
219	WT-22-633	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						10
220	WT-22-633	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						5
221	WT-22-633	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						3
222	WT-22-633	Blackwater	*Calamagrostis rubescens*	CALARUB	pinegrass	Yellow	No Status	Herb						
223	WT-22-633	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						3
224	WT-22-633	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
225	WT-22-633	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
226	WT-22-633	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						2
227	WT-22-633	Blackwater	*Aster species*	ASTER	Aster species	none	none	Herb						1
228	WT-22-633	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				12	5	
229	WT-22-633	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub					3	
230	WT-22-633	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub					1	
231	WT-22-633	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
232	WT-22-633	Blackwater	*Coptidium lapponicum*	COPTLAP	Lapland buttercup	Yellow	No Status	Herb						1
233	WT-22-633	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						1
234	WT-22-633	Blackwater	*Veratrum viride var. eschscholzianum*	VERAVIR3	green false-hellebore	Yellow	No Status	Herb						0.5
235	WT-22-633	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						0.5
236	WT-22-633	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						0.5
237	WT-22-633	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
238	WT-22-633	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
239	WT-22-633	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
193	WT-22-627	95		no		no			
194	WT-22-627			no		no			
195	WT-22-627			no		no			
196	WT-22-627			no		no			
197	WT-22-627			no		no			
198	WT-22-627			no		no			
199	WT-22-627			no		no			
200	WT-22-627			no		no			
201	WT-22-627			no		no			
202	WT-22-627			no		no			
203	WT-22-627			no		no			
204	WT-22-627			no		no			
205	WT-22-627			no		no			
206	WT-22-627	3		no		no			
207	WT-22-627			no		no			
208	WT-22-627			no		no			
209	WT-22-627	3		no		no			
210	WT-22-627			no		no			
211	WT-22-627			no		no			
212	WT-22-627	1		no		no			
213	WT-22-627	0.5		no		no			
214	WT-22-633	75		no		no			
215	WT-22-633	15		no		no			
216	WT-22-633			no		no			
217	WT-22-633			no		no			
218	WT-22-633			no		no			
219	WT-22-633			no		no			
220	WT-22-633			no		no			
221	WT-22-633			no		no			
222	WT-22-633			no		no			2
223	WT-22-633			no		no			
224	WT-22-633			no		no			
225	WT-22-633	5		no		no			
226	WT-22-633			no		no			
227	WT-22-633			no		no			Aster unknown
228	WT-22-633			no		no			
229	WT-22-633			no		no			
230	WT-22-633			no		no			
231	WT-22-633	0.5		no		no			
232	WT-22-633			no		no			
233	WT-22-633			no		no			
234	WT-22-633			no		no			
235	WT-22-633			no		no			
236	WT-22-633			no		no			Very young
237	WT-22-633	0.5		no		no			
238	WT-22-633	0.5		no		no			
239	WT-22-633	0.5		no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
193	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{09a56c04-6f9c-4ce4-8c82-88cf1f4a03de}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
194	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{f33d4306-334b-4d55-83ad-03adc173d073}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
195	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{055bd3d9-2d6f-4513-8a80-dfc3612bf589}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
196	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{358f2525-6e9a-4306-9541-d690e4f734f8}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
197	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{f647e5d8-d091-46d3-bbcd-073412ad9dfa}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
198	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{022b6253-fadd-49c8-8601-de0abdae0355}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
199	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{49694073-b4e9-43e5-a7a0-f79cbbb5d9b8}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
200	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{d4410019-57b1-4138-b6dd-f7e282b7925a}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
201	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{06b2d595-a20d-4cfd-9240-9bda4059fa11}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
202	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2bdec0db-30ff-46a5-9592-c549f2d494b1}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
203	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{da08e575-5cdc-4502-a748-ef9d92c22436}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
204	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{1cffeef1-358f-4796-afb1-9456b54e5fb4}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
205	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{ce6bce76-2816-437a-9cd1-13ce4c8ed5fb}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
206	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{1944c44f-2482-465d-9a50-18292a89b9cc}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
207	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2c6197e9-2dab-44f0-8d20-17e5081d9f0e}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
208	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{f89911b3-9bb8-4fa2-a68a-2b3e8da4d293}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
209	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2204e3f6-a271-4835-bcd2-ca2f7007f256}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
210	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{49d899b3-ded3-4e45-a66a-c76c4f70f015}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
211	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{50cb2161-6e92-4f08-aa5c-4491454f4f66}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
212	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{0b9c6e43-c0e7-4d97-926d-5bf673d4348a}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
213	WT-22-627	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2d2a37b4-ac07-4b24-9e35-06048ef6d2c1}	{b9c303c3-af3c-4386-bd2e-d0e6fb6d1081}
214	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c1d8daca-71fe-41b7-8868-2c62825d994b}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
215	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{3007e137-6e8a-47ea-9fb8-9b08b1e428b5}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
216	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c737f402-3e09-49d6-9d3e-89fd1e164ad8}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
217	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2675d3d2-8775-4704-a197-0355ab790556}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
218	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{771c2716-ee6c-4e9e-9408-8651e354355f}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
219	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{d1c0f8d4-532c-45e8-8fd6-7f69aaeee796}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
220	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{daa84b83-fdb1-4d70-a23a-e99211a07bfc}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
221	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{80791f88-8eda-4af5-9c6b-de584f30e799}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
222	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{2d790123-ae90-4ed8-ac25-611cd65ceec7}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
223	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{e79c587b-98c5-4cf3-8f85-e4c89d7cbd33}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
224	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{556d805c-e78a-4e93-8ee7-36837feb396a}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
225	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{b35e36b4-a4dc-4fad-a1f3-7bc4b88743a2}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
226	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{54931b61-610c-44ed-a1c5-33b08a317837}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
227	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{1341de5a-6678-4997-ad01-cfc552db83c0}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
228	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{8788699b-0007-49a2-a863-3d4961c7c322}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
229	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{4f155786-34be-4f38-bc96-eebf6d897df5}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
230	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c582a2bd-b775-4dc5-934e-29e26e25e2c2}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
231	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{e3d499a0-7b52-4a49-904f-4186c72023cb}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
232	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{0afa8a9a-cc46-46ae-a5db-07642ee25bf9}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
233	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{850db66d-d19b-4f01-aebe-c8d15e3c734a}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
234	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{8e1b81f5-8f20-49e7-9719-8dc70723f68f}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
235	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{ba4219ca-99b0-49bf-9bc3-d0e8531c047f}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
236	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{fdeab50d-584b-4ffd-8027-ecb23fe4db8a}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
237	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{1fb5feba-7ac5-42c6-8ca6-e4436c413455}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
238	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{9bfc6a29-2dee-480e-8d5a-641ccb3ccd81}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
239	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{bd31a6b4-6859-4295-833c-abe42b0ca2be}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
240	WT-22-633	Blackwater	*Maianthemum racemosum ssp. amplexicaule*	MAIARAC1	false Solomon's-seal	Yellow	No Status	Herb						0.5
241	WT-22-633	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						0.5
242	WT-22-595	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub					5	
243	WT-22-595	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub					2	
244	WT-22-595	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					10	
245	WT-22-595	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					5	
246	WT-22-595	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						55
247	WT-22-595	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						7
248	WT-22-595	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						5
249	WT-22-595	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
250	WT-22-595	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
251	WT-22-595	Blackwater	*Unknown*	UNKNOWN	Unknown	NA	NA	Moss or Lichen						
252	WT-22-595	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
253	WT-22-595	Blackwater	*Paludella squarrosa*	PALUSQU		Yellow	No Status	Moss or Lichen						
254	WT-22-595	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						1
255	WT-22-595	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						5
256	WT-22-595	Blackwater	*Pyrola species*	PYROLA	Pyrola species	none	none	Herb						2
257	WT-22-595	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						2
258	WT-22-595	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						1
259	WT-22-595	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						1
260	WT-22-595	Blackwater	*Platanthera dilatata var. albiflora*	PLATDIL1	fragrant white rein orchid	Yellow	No Status	Herb						1
261	WT-22-595	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
262	WT-22-595	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						1
263	WT-22-595	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						2
264	WT-22-595	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						3
265	WT-22-623	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				5	3	
266	WT-22-623	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						25
267	WT-22-623	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						7
268	WT-22-623	Blackwater	*Unknown*	UNKNOWN	Unknown	NA	NA	Herb						0.5
269	WT-22-623	Blackwater	*Juncus drummondii*	JUNCDRU	Drummond's rush	Yellow	No Status	Herb						3
270	WT-22-623	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
271	WT-22-623	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						1
272	WT-22-623	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						5
273	WT-22-623	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					5	
274	WT-22-623	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					40	
275	WT-22-623	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					15	
276	WT-22-623	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					20	
277	WT-22-623	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						0.5
278	WT-22-623	Blackwater	*Paludella squarrosa*	PALUSQU		Yellow	No Status	Moss or Lichen						
279	WT-22-623	Blackwater	*Unknown*	UNKNOWN	NA	NA	NA	Herb						30
280	WT-22-623	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
281	WT-22-624	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					50	
282	WT-22-624	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		10		5	5	
283	WT-22-624	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						30
284	WT-22-624	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						15
285	WT-22-624	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						7
286	WT-22-624	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
240	WT-22-633			no		no			
241	WT-22-633			no		no			
242	WT-22-595			no		no			
243	WT-22-595			no		no			
244	WT-22-595			no		no			
245	WT-22-595			no		no			
246	WT-22-595			no		no			
247	WT-22-595			no		no			
248	WT-22-595			no		no			Very small collected
249	WT-22-595			no		no			
250	WT-22-595	70		no		no			
251	WT-22-595	5		no		no			Other little moss
252	WT-22-595	0.5		no		no			
253	WT-22-595	7		no		no			Pipe cleaner looking moss collected
254	WT-22-595			no		no			
255	WT-22-595			no		no			
256	WT-22-595			no		no			
257	WT-22-595			no		no			
258	WT-22-595			no		no			
259	WT-22-595			no		no			
260	WT-22-595			no		no			
261	WT-22-595	3		no		no			Check id
262	WT-22-595			no		no			
263	WT-22-595			no		no			
264	WT-22-595			no		no			
265	WT-22-623			no		no			
266	WT-22-623			no		no			
267	WT-22-623			no		no			
268	WT-22-623			no		no			Water plant
269	WT-22-623			no		no			
270	WT-22-623			no		no			
271	WT-22-623			no		no			Other small carex thing
272	WT-22-623			no		no			
273	WT-22-623			no		no			
274	WT-22-623			no		no			
275	WT-22-623			no		no			
276	WT-22-623			no		no			
277	WT-22-623			no		no			
278	WT-22-623	30		no		no			
279	WT-22-623			no		no			Indistinguishable forb
280	WT-22-623	7		no		no			
281	WT-22-624			no		no			
282	WT-22-624			no		no			
283	WT-22-624			no		no			
284	WT-22-624			no		no			
285	WT-22-624			no		no			
286	WT-22-624			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
240	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{b2b564b1-7c70-4fdb-bbf8-50a370871876}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
241	WT-22-633	2022-07-08 13:59	Field1_ConsultEcoLogic	2022-07-08 13:59	Field1_ConsultEcoLogic	{c575d392-857c-4e4e-a666-ba691e2bddfe}	{00f6ca11-0ca3-4cef-bf45-9cdf58512069}
242	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{d7ed88c7-8ec3-43d5-a03a-17b274a3b8a6}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
243	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{e9bb07c7-3d6f-47f8-8cbf-94c5c69315cf}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
244	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{62c9ce85-2a12-462d-900b-2072fcc11574}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
245	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{cf43653c-b2f6-4e4c-a40e-d1b7ba036347}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
246	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{0e032b61-2cc3-4d07-bef6-5c7856910e92}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
247	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{87776a77-f40b-415c-b24c-74a3aa1ace6a}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
248	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{ccac00d0-e1d8-4f5c-a2f7-994d7d77dac8}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
249	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{788c7638-e5fb-465a-8d8e-1d71f15be028}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
250	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{f9eb73ac-1da2-4ea8-aa5e-d18a4cf9aa78}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
251	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{1deaad69-005b-432e-a619-b779bef9e4e7}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
252	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{12f6dc09-a897-4179-8b00-8201f31906fc}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
253	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-13 7:06	EcoLogic_Consultants	{943a60f8-1476-49b5-8537-efd2838cbe93}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
254	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{f82f2aff-f45c-44df-b584-9f63db11c725}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
255	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{665ba394-338a-451f-9998-977ab97af41d}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
256	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{e2cf2d28-0bf1-4e30-8d12-b310ebb2175b}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
257	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{720d4cd7-75f8-4db5-b664-e9df1d35b133}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
258	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{07733735-136f-475e-960a-ea123e0cf82e}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
259	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-13 7:08	EcoLogic_Consultants	{20f75e5e-09c1-4696-819b-1aea70dbf66f}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
260	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{c0c0ef5e-585f-4053-9698-b71aae9697e7}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
261	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{1654670d-332b-4b77-a34e-2d761518dbd4}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
262	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{236288c7-0c78-448e-b3b4-cdb938662581}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
263	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{726e9781-1dd9-4466-b393-6aba4011df89}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
264	WT-22-595	2022-07-09 2:00	EcoLogic_Consultants	2022-07-09 2:00	EcoLogic_Consultants	{8bb9e96a-3d4f-426d-a7db-70d25318f5ab}	{2cf3cd58-a835-41c3-a4f1-2e9edad2b686}
265	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{8c2277e3-14c0-42a8-a586-d9cf892ccc66}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
266	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{e0df1816-8e91-4768-91dd-1c88feb8e87e}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
267	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2b0a40d9-342e-4877-853e-38465923dca6}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
268	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{896bc59f-959c-4658-8756-3545295c6e13}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
269	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{f7e00269-803b-4020-8a18-778b7d10aa79}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
270	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{3a3dec33-7eca-4bd8-be8e-8bb477d1526e}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
271	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{9c11badd-6cc0-4bf1-9ceb-8029a2638318}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
272	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{abb47b8e-7548-454c-bd6e-d217e55c2d72}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
273	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{96a76697-1379-48b5-9c72-ed15ddad5b07}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
274	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{47954394-2258-48da-be75-389c4ce61259}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
275	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{e3f74e44-7012-4bef-970b-9a57754b30d0}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
276	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{0e9045b5-0031-4cba-b6d2-88596e16e8fe}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
277	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{5748f649-5044-4003-bec2-9a33c57ccec6}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
278	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:10	EcoLogic_Consultants	{22a615ea-8114-412d-8bd6-6506cdbcc9b6}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
279	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:13	EcoLogic_Consultants	{a66671a3-897c-41d9-bf5c-4004a78e2f59}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
280	WT-22-623	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{1cb0fe4b-bb9f-42e4-bc1d-970835a66303}	{8cad57bf-29df-4548-bfc0-95ac7bdd0a73}
281	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{44312f54-ae00-4a75-9cbc-05d1ff1c8c1e}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
282	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{0fad4fcb-08cc-4d53-9704-cbcd470c0cf1}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
283	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{3e6996ef-09f2-4fae-9b66-7b137e92312f}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
284	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{a4063dc4-c696-4e87-998a-1ef8a5cbce8b}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
285	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b217b210-b1da-414e-8360-c7f022de7293}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
286	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{77ab6df7-4a21-4e7a-86d5-5fe399683911}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
287	WT-22-624	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Herb						20
289	WT-22-624	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
290	WT-22-624	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Herb						10
291	WT-22-624	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						1
292	WT-22-624	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					3	
293	WT-22-624	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						1
294	WT-22-624	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						1
295	WT-22-624	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						1
296	WT-22-624	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub				2		
297	WT-22-624	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Herb						1
298	WT-22-624	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					1	
299	WT-22-455	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						10
300	WT-22-455	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						7
301	WT-22-455	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						3
302	WT-22-455	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						7
303	WT-22-455	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						
304	WT-22-455	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					3	
305	WT-22-455	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					3	
306	WT-22-455	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					10	
307	WT-22-455	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					3	
308	WT-22-455	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		20		5	2	
309	WT-22-455	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub		10		1	1	
310	WT-22-455	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		5		3		
311	WT-22-455	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
312	WT-22-455	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
313	WT-22-455	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
314	WT-22-455	Blackwater	*Pyrola species*	PYROLA	Pyrola species	none	none	Herb						2
315	WT-22-455	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						1
316	WT-22-455	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						3
317	WT-22-455	Blackwater	*Aster species*	ASTER	Aster species	none	none	Herb						3
318	WT-22-621B	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		12		8	7	
319	WT-22-621B	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		3		2	3	
320	WT-22-621B	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
321	WT-22-621B	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
322	WT-22-621B	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
323	WT-22-621B	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
324	WT-22-621B	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Moss or Lichen						
325	WT-22-621B	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						12
326	WT-22-621B	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						3
327	WT-22-621B	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						5
328	WT-22-621B	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						2
329	WT-22-621B	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						
330	WT-22-621B	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					1	
331	WT-22-621B	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Tree or Shrub						
332	WT-22-621B	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
333	WT-22-621B	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						1
334	WT-22-621B	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					2	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
287	WT-22-624			no		no			
289	WT-22-624	20		no		no			Spike finger moss one
290	WT-22-624			no		no			
291	WT-22-624			no		no			
292	WT-22-624			no		no			
293	WT-22-624			no		no			Rubus arcticus
294	WT-22-624			no		no			
295	WT-22-624			no		no			
296	WT-22-624			no		no			
297	WT-22-624			no		no			
298	WT-22-624			no		no			
299	WT-22-455			no		no			
300	WT-22-455			no		no			
301	WT-22-455			no		no			
302	WT-22-455			no		no			
303	WT-22-455			no		no			1
304	WT-22-455			no		no			
305	WT-22-455			no		no			
306	WT-22-455			no		no			
307	WT-22-455			no		no			
308	WT-22-455			no		no			
309	WT-22-455			no		no			
310	WT-22-455			no		no			
311	WT-22-455	55		no		no			
312	WT-22-455	30		no		no			
313	WT-22-455	15		no		no			Finger like spike one
314	WT-22-455			no		no			
315	WT-22-455			no		no			
316	WT-22-455			no		no			
317	WT-22-455			no		no			
318	WT-22-621B			no		no			
319	WT-22-621B			no		no			
320	WT-22-621B	50		no		no			
321	WT-22-621B			no		no			
322	WT-22-621B	5		no		no			
323	WT-22-621B			no		no			
324	WT-22-621B	3		no		no			
325	WT-22-621B			no		no			
326	WT-22-621B			no		no			
327	WT-22-621B			no		no			
328	WT-22-621B			no		no			
329	WT-22-621B			no		no			
330	WT-22-621B			no		no			
331	WT-22-621B			no		no			
332	WT-22-621B	0.5		no		no			
333	WT-22-621B			no		no			
334	WT-22-621B			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
287	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{52643528-1e43-491f-9c37-f86caeb77f48}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
289	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:15	EcoLogic_Consultants	{fb14712c-613c-42f7-8120-2d01429cae9e}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
290	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{0308eda3-a218-4b86-85c1-ebce8cd235a8}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
291	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{4610756d-1334-4f0a-9938-74f14e2f29dc}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
292	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{8b8be144-4c55-4314-b960-815e972c4bff}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
293	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{a5687686-a96c-455c-9974-64fc3f47647f}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
294	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{4a5163f1-1ae7-4683-a475-4b042de516e6}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
295	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{de442c6c-7e8a-4d7b-aa3a-e8db62ef1867}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
296	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2da4d9f0-23bd-48a4-9e6b-1d81491b6360}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
297	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{c6bdde3e-ff54-4463-8175-2fd5935cd245}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
298	WT-22-624	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{eecfb13f-8c98-4410-8271-60f16e8cc5d9}	{36dcd186-c745-4399-b9fe-5e6dafbea71d}
299	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{d9908238-2582-4c09-b45d-e4135e8416c1}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
300	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{f3e90f04-0c5e-4eef-bf5d-a4ef0633bc23}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
301	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{1270401e-2e9a-4428-860b-ac81a379bc7a}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
302	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{6c3197f7-7fc2-49d0-97b6-0b52f70f8ef4}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
303	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{3a3ab1ea-1059-43a2-b4b3-d3f9b008fd20}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
304	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{742496f4-a803-45e9-9566-462b3bd19394}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
305	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{12044858-f5cb-4d7e-aa5e-19b7be87364b}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
306	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{6cebea53-39f3-4488-bd22-2979438ea7be}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
307	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{09aefc26-eed9-4b07-92dc-efa0e45b6971}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
308	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b47b9292-5df4-4299-a756-85c7b724faa1}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
309	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{36d0db41-8191-450d-b98c-be2c81a13046}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
310	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{1bf4bc5e-241e-4d73-85d4-1fc68d395fb9}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
311	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{cf946a5b-3c38-4ada-a779-825064a18df5}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
312	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{09f8b3f2-d848-4226-98be-e281b374a941}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
313	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{91a72851-95af-4194-89be-cf9abb357ba2}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
314	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{9e86ce9f-c492-4375-b9c4-9e75252fdf40}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
315	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{27376932-7c9b-4181-a0f5-0bee0c45f4a4}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
316	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{6f66b9d2-dfbc-4700-9414-548d6a13bf76}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
317	WT-22-455	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{480bc0fd-3df5-41af-a1bf-7417b5ea80e8}	{bf436879-ca0b-41d8-9a5c-869a5cc503a4}
318	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{5123e180-344c-41e2-a150-69d90b05ef2e}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
319	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{94312851-4937-4403-b4f8-c29b36c3e73a}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
320	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{fad6b8ac-727d-4ae5-96a6-1cf23626eaae}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
321	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{a5f07f32-85a7-467e-8771-0af3e103d831}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
322	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{4c687e8f-284e-47dd-a83f-e498ace4de7c}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
323	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{6f77eca0-a22d-4d09-980a-af1df92adf8e}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
324	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{c25bd86d-d011-4148-aaa9-fce8aad28be4}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
325	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{abe2a60f-16e8-4937-9c32-f183261009a0}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
326	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{36d12dc2-5bc5-487e-9bdd-417665dcb0e4}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
327	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2409ab48-611c-448b-9333-6f9b2b35e2e6}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
328	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{a550c258-edfc-438d-8c4c-92c9a66473dc}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
329	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{7e0f0fef-9d2c-4285-b182-dae52b63d366}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
330	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2c695b10-d21e-4861-8150-20e86442d5ae}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
331	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{01d0d449-3c55-42db-a220-b47119245346}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
332	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{e2d97dd6-054c-4c01-a3ba-3ce6830747aa}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
333	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{1de95b5c-992d-4cbf-9227-083ef4d7886e}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
334	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{4fa73cf9-607b-4a08-81eb-8564fc44504f}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
335	WT-22-621B	Blackwater	*Tiarella trifoliata var. unifoliata*	TIARTRI2	one-leaved foamflower	Yellow	No Status	Herb						2
336	WT-22-621B	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						1
337	WT-22-621B	Blackwater	*Barbilophozia lycopodioides*	BARBLYC		Yellow	No Status	Moss or Lichen						
338	WT-22-619	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						3
339	WT-22-619	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						3
340	WT-22-619	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						2
341	WT-22-619	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						1
342	WT-22-619	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						2
343	WT-22-619	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						10
344	WT-22-619	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						3
345	WT-22-619	Blackwater	*Pyrola species*	PYROLA	Pyrola species	none	none	Herb						1
346	WT-22-619	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						3
347	WT-22-619	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
348	WT-22-619	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						3
349	WT-22-619	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						2
350	WT-22-619	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					7	
351	WT-22-619	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					15	
352	WT-22-619	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					3	
353	WT-22-619	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					5	
354	WT-22-619	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		10		8	5	
355	WT-22-619	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub					3	
356	WT-22-619	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
357	WT-22-619	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
358	WT-22-619	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
359	WT-22-619	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
360	WT-22-619	Blackwater	*Paludella squarrosa*	PALUSQU		Yellow	No Status	Moss or Lichen						
361	WT-22-619	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Herb						7
362	WT-22-619	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.5
363	WT-22-619	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
364	WT-22-392B	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		10		3		
366	WT-22-392B	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
367	WT-22-392B	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					50	
368	WT-22-392B	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					5	
369	WT-22-392B	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						5
370	WT-22-620	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
371	WT-22-620	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
372	WT-22-620	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
373	WT-22-620	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						7
374	WT-22-620	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						5
375	WT-22-620	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						2
376	WT-22-620	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
377	WT-22-620	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						3
378	WT-22-620	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					25	
379	WT-22-620	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					3	
380	WT-22-620	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
381	WT-22-620	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						2
382	WT-22-620	Blackwater	*Carex gynocrates*	CAREGYN	yellow bog sedge	Yellow	No Status	Herb						1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
335	WT-22-621B			no		no			
336	WT-22-621B			no		no			
337	WT-22-621B	1		no		no			
338	WT-22-619			no		no			
339	WT-22-619			no		no			
340	WT-22-619			no		no			
341	WT-22-619			no		no			
342	WT-22-619			no		no			
343	WT-22-619			no		no			
344	WT-22-619			no		no			
345	WT-22-619			no		no			
346	WT-22-619			no		no			Unknown, small head
347	WT-22-619			no		no			
348	WT-22-619			no		no			
349	WT-22-619			no		no			
350	WT-22-619			no		no			
351	WT-22-619			no		no			Unknown, entire
352	WT-22-619			no		no			Hairy
353	WT-22-619			no		no			
354	WT-22-619			no		no			
355	WT-22-619			no		no			
356	WT-22-619	60		no		no			
357	WT-22-619	12		no		no			
358	WT-22-619	15		no		no			
359	WT-22-619	3		no		no			
360	WT-22-619	3		no		no			Unknown moss that’s like a pipe cleaner
361	WT-22-619			no		no			
362	WT-22-619			no		no			
363	WT-22-619	0.5		no		no			
364	WT-22-392B			no		no			
366	WT-22-392B	70		no		no			
367	WT-22-392B			no		no			
368	WT-22-392B			no		no			
369	WT-22-392B			no		no			
370	WT-22-620	90		no		no			
371	WT-22-620	5		no		no			In sample with sphagnum
372	WT-22-620	5		no		no			
373	WT-22-620			no		no			
374	WT-22-620			no		no			
375	WT-22-620			no		no			
376	WT-22-620			no		no			
377	WT-22-620			no		no			
378	WT-22-620			no		no			
379	WT-22-620			no		no			
380	WT-22-620			no		no			
381	WT-22-620			no		no			
382	WT-22-620			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
335	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2ac47b09-55c9-4ce1-b8b4-bec75dd5c526}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
336	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{9dc67c5b-ee4f-4622-8f28-61fdce9fc317}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
337	WT-22-621B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{fbe436db-ba1d-443a-8d5d-90ce1be3824a}	{d0ffdb25-adee-40f4-86f5-0c5a6235ed6a}
338	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{775ccd3a-3c19-4a16-8002-556a1d72158a}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
339	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{63e1cb04-7e56-439e-bedd-c4776a679a42}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
340	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{f926055b-5b4d-4e1f-b1d5-a2ad333b1a44}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
341	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{4a9dabe1-7684-4d80-b325-4381ad8a23c3}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
342	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{29bbf363-eabc-4199-88aa-ccdcb2334b38}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
343	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{255c2112-bafa-4738-9ee6-a8460251f60a}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
344	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{121aa318-6925-48b7-9705-b2548622f6f4}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
345	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{972f69d0-0f96-486a-8b20-b9d02e5b38fe}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
346	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{d216510a-0308-4385-bfc0-e1f80558c955}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
347	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{80ad2845-ebee-40b0-84c6-da6c6d290c3b}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
348	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{3295791f-ab0e-4a3c-8a85-fe1e36e1af9d}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
349	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{7c7b1ce5-6783-4542-bae5-0758a9ad3cb0}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
350	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2e07bdda-d541-4447-b783-935844f6700c}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
351	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{0fabca90-625c-445c-9001-312425e98a03}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
352	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:17	EcoLogic_Consultants	{33dee9ae-35b6-4716-aa5e-f54c372ce6f3}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
353	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{9e19919f-6ff9-4bd3-87e9-ea112c0356d1}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
354	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b224751c-3ccc-41db-800d-3b686bc840af}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
355	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{16572ffc-7a10-484e-9e82-46d5d299659e}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
356	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b1b29a70-0cef-420f-8cdc-e443c302f634}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
357	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b3e0cf5f-090a-41a1-81b3-c0e41740adea}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
358	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b93a2f31-2205-4fad-b824-6f736823c41f}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
359	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{094ac509-8db8-4687-9714-9763596ccc41}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
360	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:20	EcoLogic_Consultants	{703f4797-3de2-4589-8b35-ee31e1008fc6}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
361	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{aecd68dd-4175-411c-a423-9e2cb1ba626f}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
362	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{a4f254b9-8b80-4769-9db3-5e6ae15510f4}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
363	WT-22-619	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{d7ff0d55-1053-49fe-ad5b-59115d3916d0}	{dca64ba5-d7ab-45dc-99f9-f58db66dff4e}
364	WT-22-392B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{cb830528-aa38-41d4-9411-0b7cc7b15ca1}	{33c7d2d8-cc0f-4c0c-9833-c68f9bb70f5b}
366	WT-22-392B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{bbf7f296-2077-42db-bed8-40d0cf8d5ee2}	{33c7d2d8-cc0f-4c0c-9833-c68f9bb70f5b}
367	WT-22-392B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{2bc19880-1d72-4974-b529-09a776039002}	{33c7d2d8-cc0f-4c0c-9833-c68f9bb70f5b}
368	WT-22-392B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{9a2f49e9-17e9-4b6b-aea2-ca96901de9dc}	{33c7d2d8-cc0f-4c0c-9833-c68f9bb70f5b}
369	WT-22-392B	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{92c96410-c21f-44ad-8929-9677645a310e}	{33c7d2d8-cc0f-4c0c-9833-c68f9bb70f5b}
370	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b6a73cb3-4f35-493a-b77f-a7e263665e8b}	{381d35a1-5a9f-49da-a70c-c861886da275}
371	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{5c1e44d9-dc39-4ca2-b945-6f6cc8184a48}	{381d35a1-5a9f-49da-a70c-c861886da275}
372	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{bb568407-0b32-4798-bde8-d68b2d57dd99}	{381d35a1-5a9f-49da-a70c-c861886da275}
373	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{c71fca71-da20-440b-809a-922caef2359b}	{381d35a1-5a9f-49da-a70c-c861886da275}
374	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{40452128-3a43-4815-8ef3-f47dc8ffcf7e}	{381d35a1-5a9f-49da-a70c-c861886da275}
375	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{80ac4dc5-a139-40c6-a55f-049053a49a9c}	{381d35a1-5a9f-49da-a70c-c861886da275}
376	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{d8fe4ae0-8cc0-41dc-83da-3a0d8b1eae1a}	{381d35a1-5a9f-49da-a70c-c861886da275}
377	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{5df4d0ab-cf86-4c3e-b07f-07205eec190c}	{381d35a1-5a9f-49da-a70c-c861886da275}
378	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{9a805617-3abd-4b90-9db6-d3e41386a82c}	{381d35a1-5a9f-49da-a70c-c861886da275}
379	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{a5a2f506-d1f2-4b1f-91bc-a451d8b31533}	{381d35a1-5a9f-49da-a70c-c861886da275}
380	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{0103d9d3-7889-48b0-b24b-4e1298e350d8}	{381d35a1-5a9f-49da-a70c-c861886da275}
381	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{85d943fa-2b15-4010-b8fe-a1d8a23841d0}	{381d35a1-5a9f-49da-a70c-c861886da275}
382	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:22	EcoLogic_Consultants	{6e79800c-8905-4eba-9a63-8ac9ce677145}	{381d35a1-5a9f-49da-a70c-c861886da275}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
383	WT-22-620	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				8	3	
384	WT-22-620	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				2	1	
385	WT-22-620	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						1
386	WT-22-620	Blackwater	*Salix scouleriana*	SALISCO	Scouler's willow	Yellow	No Status	Tree or Shrub					3	
387	WT-22-620	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
388	WT-22-620	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						2
389	WT-22-620	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						0.5
390	WT-22-620	Blackwater	*Pyrola species*	PYROLA	Pyrola species	none	none	Herb						1
391	WT-22-620	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						1
392	WT-22-620	Blackwater	*Symphyotrichum foliaceum var. foliaceum*	SYMPFOL3	leafy aster	Yellow	No Status	Herb						1
393	WT-22-348	Blackwater	*Trichophorum cespitosum*	TRICCES	tufted clubrush	Yellow	No Status	Herb						65
394	WT-22-348	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						5
395	WT-22-348	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						7
396	WT-22-348	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						3
397	WT-22-348	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						2
398	WT-22-348	Blackwater	*Symphyotrichum foliaceum var. foliaceum*	SYMPFOL3	leafy aster	Yellow	No Status	Herb						3
399	WT-22-348	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						3
401	WT-22-348	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					3	
402	WT-22-348	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
403	WT-22-348	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
404	WT-22-348	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
405	WT-22-348	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						2
406	WT-22-348	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						1
407	WT-22-595	Blackwater	*Pinus contorta var. contorta*	PINUCON1	shore pine	Yellow	No Status	Tree or Shrub						
408	MC26	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						40
409	MC26	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						20
410	MC26	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						5
411	MC26	Blackwater	*Carex heleonastes*	CAREHEL	Hudson Bay sedge	Yellow	No Status	Herb						2
412	MC26	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
413	MC26	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	4	
414	MC26	Blackwater	*Meesia triquetra*	MEESTRI		Yellow	No Status	Moss or Lichen						
415	MC26	Blackwater	*Drepanocladus aduncus*	DREPADU		Yellow	No Status	Moss or Lichen						
416	MC26	Blackwater	*Eriophorum gracile ssp. gracile*	ERIOGRA	slender cotton-grass	Yellow	No Status	Herb						0.001
418	MC26	Blackwater	*Carex diandra*	CAREDIA	lesser-panicled sedge	Yellow	No Status	Herb						1
419	MC27	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	25	
420	MC27	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	0	1	5	
421	MC27	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	20	
422	MC27	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
423	MC27	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
424	MC27	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
425	MC27	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						15
426	MC27	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						1
427	MC27	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						20
428	MC27	Blackwater	*Platanthera aquilonis*	PLATAQU	northern green rein orchid	Yellow	No Status	Herb						0.001
429	MC27	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						0.001
430	MC27	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	2	
431	MC27	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
383	WT-22-620			no		no			
384	WT-22-620			no		no			
385	WT-22-620			no		no			
386	WT-22-620			no		no			Hairy Salix
387	WT-22-620			no		no			
388	WT-22-620			no		no			
389	WT-22-620			no		no			
390	WT-22-620			no		no			
391	WT-22-620			no		no			
392	WT-22-620			no		no			
393	WT-22-348			no		no			
394	WT-22-348			no		no			
395	WT-22-348			no		no			
396	WT-22-348			no		no			
397	WT-22-348			no		no			
398	WT-22-348			no		no			
399	WT-22-348			no		no			
401	WT-22-348			no		no			
402	WT-22-348	60		no		no			
403	WT-22-348	10		no		no			
404	WT-22-348	10		no		no			Unsure check samples
405	WT-22-348			no		no			
406	WT-22-348			no		no			
407	WT-22-595			no		no			
408	MC26			no		no			
409	MC26			no		no			
410	MC26			no		no			
411	MC26			no		no			
412	MC26			no		no			
413	MC26			no		no			
414	MC26			no		no			
415	MC26			no		no			
416	MC26			no		no			
418	MC26			no		no			
419	MC27			no		no			
420	MC27			no		no			
421	MC27			no		no			
422	MC27			no		no			
423	MC27			no		no			
424	MC27			no		no			
425	MC27			no		no			
426	MC27			no		no			
427	MC27			no		no			
428	MC27			no		no			
429	MC27			no		no			
430	MC27			no		no			
431	MC27			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
383	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{43543d12-371b-43b8-b18c-ce5f321dbe0d}	{381d35a1-5a9f-49da-a70c-c861886da275}
384	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{84e08df9-6583-4e2f-bb27-faba62c7b630}	{381d35a1-5a9f-49da-a70c-c861886da275}
385	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{64cfc2ec-8790-406f-a580-ebb326e74a2d}	{381d35a1-5a9f-49da-a70c-c861886da275}
386	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:26	EcoLogic_Consultants	{f7fc6c41-0ec1-4daf-9ee3-0e97348659d1}	{381d35a1-5a9f-49da-a70c-c861886da275}
387	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{87d43e74-b9c5-41bb-9ca3-b99c4499c11f}	{381d35a1-5a9f-49da-a70c-c861886da275}
388	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{0ff1ed67-a4ff-42a5-8f68-f80ceba7d142}	{381d35a1-5a9f-49da-a70c-c861886da275}
389	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{ef7fd7bd-1bc3-4715-9de4-7ad5bfc41a1b}	{381d35a1-5a9f-49da-a70c-c861886da275}
390	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{b5efbba5-bc9e-41e1-812b-41f28f097d59}	{381d35a1-5a9f-49da-a70c-c861886da275}
391	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{8d389247-2dd6-41b3-8734-53c09d94f7d5}	{381d35a1-5a9f-49da-a70c-c861886da275}
392	WT-22-620	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{55e0e339-fb1e-4bc4-9523-7e923c475148}	{381d35a1-5a9f-49da-a70c-c861886da275}
393	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{11959bfd-4cb1-4068-98d6-e851f6a42648}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
394	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{41b4738e-b568-4a8c-900f-a1340b33b7a2}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
395	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{f8b70bb0-30ac-44d1-81b7-5b2e98487f14}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
396	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-13 7:28	EcoLogic_Consultants	{20daae75-f757-4f9b-8d7f-0cacfe5d851a}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
397	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{3dae13e2-6ad3-4fdc-b52d-e0c6b2bdb4bb}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
398	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{da27f309-3f06-4a2e-8d4c-6c3fb732b612}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
399	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{32863d75-b5b4-4724-b3a6-7acc715f2c7e}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
401	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{ccc0e085-2b23-4a7f-8f7c-6f04d6f74d5e}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
402	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{966b8843-e901-40c4-bcdc-dfcf92b64bbb}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
403	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{030b23b0-5bc8-4195-86ad-39d8b304f533}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
404	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{ffbb8427-c4af-4e1c-aa97-7bcf7c8778c0}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
405	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{fcd1d87c-ce69-424c-b1a3-ec14b1a225a7}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
406	WT-22-348	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{21a6ded5-b8a7-4a69-b934-04918e02362a}	{207db807-da2f-44c0-94a3-558e0f57b4f9}
407	WT-22-595	2022-07-09 13:04	Field1_ConsultEcoLogic	2022-07-09 13:04	Field1_ConsultEcoLogic	{692ed7d0-a16f-49a1-84c4-24c70e781972}	{51494e09-3aac-4426-b809-ab4bda3c3930}
408	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{e5fbc7ea-e673-44c4-ae08-7812aedb3f3b}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
409	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{4a788d8d-6b23-4aa1-bd0e-62127ba35cfb}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
410	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{4f8b94d7-99e7-408b-a789-79ab9622151e}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
411	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{5a21cd19-38da-48da-9fac-e7e0dc4a6a1b}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
412	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{9ae82519-cb9a-49be-b59a-2eced990e7af}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
413	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{2b1e5a5f-9bd4-4ef7-a148-eb31a1c50d11}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
414	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{275443fb-15f6-4c2e-8f40-1fdd90218c61}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
415	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{7c8b4084-54bc-4164-aa14-ce6372e851e5}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
416	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{7c69bbbf-472f-4293-bb08-57db52a318ff}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
418	MC26	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{8233e251-61a8-4c1b-9a37-c50bc94e4e3d}	{8ed8d25d-8711-4312-ad2a-d4fc8479d487}
419	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{438ecbb2-2f0a-4c77-a796-54affef1b3ac}	{26e3eb3e-518b-48ba-b295-df619ac47826}
420	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{9b776398-41fd-4a67-a72a-fe63bb29fb5f}	{26e3eb3e-518b-48ba-b295-df619ac47826}
421	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{f8b95ae5-59fb-4994-bbdd-02cf5eb105f9}	{26e3eb3e-518b-48ba-b295-df619ac47826}
422	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{2a511c84-8586-4dca-8863-756bdff18d62}	{26e3eb3e-518b-48ba-b295-df619ac47826}
423	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{680a4f2a-6dec-4c50-b9ea-a3bbeef2ebc1}	{26e3eb3e-518b-48ba-b295-df619ac47826}
424	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{7d562249-86d4-46ec-8b68-ad76c92ef4ea}	{26e3eb3e-518b-48ba-b295-df619ac47826}
425	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{095fe3fb-8aed-4000-a5cc-ad76f5072fad}	{26e3eb3e-518b-48ba-b295-df619ac47826}
426	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{8a3175a3-8110-4797-84da-e1095c99cb3b}	{26e3eb3e-518b-48ba-b295-df619ac47826}
427	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{8f491117-c43d-48b7-a749-cf83826b2109}	{26e3eb3e-518b-48ba-b295-df619ac47826}
428	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{9f1c3f74-738b-4843-a960-ff1abd6ad398}	{26e3eb3e-518b-48ba-b295-df619ac47826}
429	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{2ccc74b7-333a-4753-ac18-b1f2a5ff8f1a}	{26e3eb3e-518b-48ba-b295-df619ac47826}
430	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{22caf1dc-0b8b-4005-9c5c-b34662a1b210}	{26e3eb3e-518b-48ba-b295-df619ac47826}
431	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{e7b537b7-925b-4f3c-93e1-98d48fcbdc84}	{26e3eb3e-518b-48ba-b295-df619ac47826}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
432	MC27	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
433	MC28	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	60	
434	MC28	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
435	MC28	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	5	
436	MC28	Blackwater	*Carex heleonastes*	CAREHEL	Hudson Bay sedge	Yellow	No Status	Herb						1
437	MC28	Blackwater	*Carex chordorrhiza*	CARECHO	cordroot sedge	Yellow	No Status	Herb						40
438	MC28	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
439	MC28	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						1
440	MC28	Blackwater	*Eriophorum viridicarinatum*	ERIOVIR	green-keeled cotton-grass	Yellow	No Status	Herb						0.001
441	MC28	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
442	MC28	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
443	MC28	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						0.001
444	MC28	Blackwater	*Carex diandra*	CAREDIA	lesser-panicled sedge	Yellow	No Status	Herb						0.001
445	MC30	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	2	5	2	1	
446	MC30	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	30	40	
447	MC30	Blackwater	*Salix glauca var. villosa*	SALIGLA2	grey-leaved willow	Yellow	No Status	Tree or Shrub	0	0	0	2	0	
448	MC30	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub	0	0	0	2	3	
449	MC30	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
450	MC30	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						1
451	MC30	Blackwater	*Valeriana dioica var. sylvatica*	VALEDIO2	marsh valerian	Yellow	No Status	Herb						1
452	MC30	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						3
453	MC30	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	2	
454	MC30	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
455	MC30	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						0.001
456	MC30	Blackwater	*Galium trifidum ssp. trifidum*	GALITRD2	small bedstraw	Yellow	No Status	Herb						0.001
457	MC30	Blackwater	*Petasites frigidus var. x vitifolius*	PETAFRI5	vine-leaved coltsfoot	No Status	No Status	Herb						0.001
458	MC31	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	0	10	8	
459	MC31	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
460	MC31	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
461	MC31	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						50
462	MC31	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	15	
463	MC31	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						1
464	MC31	Blackwater	*Carex heleonastes*	CAREHEL	Hudson Bay sedge	Yellow	No Status	Herb						0.001
465	MC31	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
466	MC31	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						3
467	MC31	Blackwater	*Platanthera aquilonis*	PLATAQU	northern green rein orchid	Yellow	No Status	Herb						0.001
468	MC31	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.001
469	MC31	Blackwater	*Eriophorum viridicarinatum*	ERIOVIR	green-keeled cotton-grass	Yellow	No Status	Herb						0.001
470	MC31	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						0.001
471	MC31	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						0.001
472	MC31	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
473	MC33	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	65	
474	MC33	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						95
475	MC33	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	5	
476	MC33	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						1
477	MC33	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
478	MC33	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						8

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
432	MC27			no		no			
433	MC28			no		no			
434	MC28			no		no			
435	MC28			no		no			
436	MC28			no		no			
437	MC28			no		no			
438	MC28			no		no			
439	MC28			no		no			
440	MC28			no		no			
441	MC28			no		no			
442	MC28			no		no			
443	MC28			no		no			
444	MC28			no		no			
445	MC30			no		no			
446	MC30			no		no			
447	MC30			no		no			
448	MC30			no		no			
449	MC30			no		no			
450	MC30			no		no			
451	MC30			no		no			
452	MC30			no		no			
453	MC30			no		no			
454	MC30			no		no			
455	MC30			no		no			
456	MC30			no		no			
457	MC30			no		no			
458	MC31			no		no			
459	MC31			no		no			
460	MC31			no		no			
461	MC31			no		no			
462	MC31			no		no			
463	MC31			no		no			
464	MC31			no		no			
465	MC31			no		no			
466	MC31			no		no			
467	MC31			no		no			
468	MC31			no		no			
469	MC31			no		no			
470	MC31			no		no			
471	MC31			no		no			
472	MC31			no		no			
473	MC33			no		no			
474	MC33			no		no			
475	MC33			no		no			
476	MC33			no		no			
477	MC33			no		no			
478	MC33			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
432	MC27	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{709caa3d-2346-49dc-b145-61b5f2b41d98}	{26e3eb3e-518b-48ba-b295-df619ac47826}
433	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{fba48956-2f26-43ce-9074-7ae32d6343a2}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
434	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{dca910c7-9e3d-41d0-b5b1-158d04ab0521}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
435	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{a005551b-790e-46ac-9982-e122cb83eba2}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
436	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{90c02f64-4040-4e4a-a434-cbb0c66de97c}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
437	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{d933bbbb-6d35-49d3-84ef-9405fea2b8a3}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
438	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{bad93fe9-2e41-4790-b623-5476817ae5eb}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
439	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{3fbbd4f7-4e0e-4af7-ba5a-dcd1662a50d8}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
440	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{8e1e8e76-a2e0-4dbe-9fed-0cce1eb05e50}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
441	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{ede850fc-1d38-4d16-9b2d-40d96caf819b}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
442	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{a9d1e4fb-cc0c-4639-ae00-fb4e3bcdc2a1}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
443	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{be3b7a34-ecfe-4b0b-bed2-ba897eabb6d7}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
444	MC28	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{d30f1f5e-5fd7-4a7a-94e8-6935220c1b86}	{e39dd35e-2343-4ce0-936c-e12f3826d3a1}
445	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{b15588e2-6fbc-4401-baaf-3abb149862ab}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
446	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{6551e41e-1b8f-4a9c-8fc2-08a8ea764cc9}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
447	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{b7080b23-3109-4eb1-bd73-a7ebe11a9a07}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
448	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{78b1f65c-8642-4f8d-aa2a-33130559fa77}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
449	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{77d7d3af-1a30-45a3-906b-33803a77f393}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
450	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{adcf4cef-1b21-40ca-915b-497f8453c0d9}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
451	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{d46de51d-286b-4f57-8d71-2d366990d547}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
452	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{f6875433-38e5-45be-a983-a3779f60f00a}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
453	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{346dc4b7-48dc-4485-9153-b9220c384c4e}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
454	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{83e571f6-94c5-4d62-8e7e-59c14e5d051e}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
455	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{e6fad58d-26de-441d-887c-35903629462d}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
456	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{c6fb1ab9-d3b5-4b3b-a8ad-f5d18711be14}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
457	MC30	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{49b696a3-cde4-4c5e-96b8-d8ee07bb3570}	{e560a7d1-0070-4fcf-b102-f6fe61e07c2f}
458	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{90ca61e0-c742-4d98-a954-62955c1813b7}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
459	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{e5b89846-323b-4faa-84d2-f5753fb40a91}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
460	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{f7fabfc5-5549-4d50-af58-a4f0062a973b}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
461	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{7ce7f5e1-7565-488e-9a5c-5d662d5aede1}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
462	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{559af7e7-0eb7-4e89-bb33-0c1813e7cb16}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
463	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{64806000-ed9a-41b9-a4a6-14f6ac473122}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
464	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{b1a3005f-0a02-4f68-86cd-795fcf4132fc}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
465	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{8556aacb-bf3c-4a0d-884a-4102351ef2a5}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
466	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{120d5d4f-d367-4890-a361-c0eec67eb299}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
467	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{3d4ee7fa-4986-41cc-9915-6b539f2c2b95}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
468	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{e9d5e2d9-e29a-42e6-b27b-348e30f5d2b8}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
469	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{cdc5e56e-bb73-48e0-8a02-2b3820e054b9}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
470	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{ac716093-df6c-4803-bf92-27ec7747ce4b}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
471	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{f2a1e732-8a75-4e41-aa4b-c04d3ae7d83a}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
472	MC31	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{d90f23e7-cd5a-49b4-9efd-12ddb341232a}	{4207e76b-2dca-4ae0-9d11-320215a76fbe}
473	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{d14c2b20-d928-485b-aa83-95a45579a14f}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
474	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{7249bb9f-63a4-433d-b776-a418e09af5a8}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
475	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{fc2dbe5a-eb27-48a1-b4fe-b6dd50112d8b}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
476	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{fe91fbb4-f0d9-4732-bd01-c674d8bd4a84}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
477	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{7d95f5c3-c363-4c0c-9e40-e80474423691}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
478	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{5f5e9409-e8a4-4346-a9d4-1765c4f7af83}	{c7ba144b-5b3e-4ee0-862a-92472708e136}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
479	MC33	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
480	MC33	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
481	MC34	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0		20	20	10	
482	MC34	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	30	
483	MC34	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						35
484	MC34	Blackwater	*Petasites frigidus var. x vitifolius*	PETAFRI5	vine-leaved coltsfoot	No Status	No Status	Herb						0.001
485	MC34	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
486	MC34	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						0.001
487	MC34	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
488	MC34	Blackwater	*Platanthera obtusata ssp. obtusata*	PLATOBT1	one-leaved rein orchid	Yellow	No Status	Herb						0.001
489	MC34	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						0.001
490	MC34	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
491	MC34	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
492	MC34	Blackwater	*Salix glauca var. villosa*	SALIGLA2	grey-leaved willow	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
493	MC34	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						0.001
494	MC34	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						0.001
495	MC34	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.001
496	WT-22-569	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	2	10	2	
497	WT-22-569	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	0	0	0	1	0	
498	WT-22-569	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
499	WT-22-569	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	12	
500	WT-22-569	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	25	
501	WT-22-569	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						50
502	WT-22-569	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						3
503	WT-22-569	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						1
504	WT-22-569	Blackwater	*Pectiantia pentandra*	PECTPET	five-stamened mitrewort	Yellow	No Status	Herb						0.001
505	WT-22-569	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						40
506	WT-22-569	Blackwater	*Coptidium lapponicum*	COPTLAP	Lapland buttercup	Yellow	No Status	Herb						0.001
507	WT-22-569	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						0.001
508	WT-22-569	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						0.001
509	WT-22-569	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						0.001
510	WT-22-569	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						1
511	WT-22-569	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
512	WT-22-569	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						0.001
513	WT-22-569	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
514	WT-22-569	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						0.001
515	WT-22-569	Blackwater	*Viola macloskeyi*	VIOLMAL	small white violet	Yellow	No Status	Herb						0.001
516	WT-22-569	Blackwater	*Linnaea borealis ssp. longiflora*	LINNBOR2	twinflower	Yellow	No Status	Herb						0.001
517	WT-22-569	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.001
518	WT-22-569	Blackwater	*Eriophorum species*	ERIOPHO	Eriophorum species	none	none	Herb						0.001
519	WT-22-345	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					5	
520	WT-22-345	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					40	
521	WT-22-345	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						25
522	WT-22-345	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						15
523	WT-22-345	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						30
524	WT-22-345	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
525	WT-22-345	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						10

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
479	MC33			no		no			
480	MC33			no		no			
481	MC34			no		no			
482	MC34			no		no			
483	MC34			no		no			
484	MC34			no		no			
485	MC34			no		no			
486	MC34			no		no			
487	MC34			no		no			
488	MC34			no		no			
489	MC34			no		no			
490	MC34			no		no			
491	MC34			no		no			
492	MC34			no		no			
493	MC34			no		no			
494	MC34			no		no			
495	MC34			no		no			
496	WT-22-569			no		no			
497	WT-22-569			no		no			
498	WT-22-569			no		no			
499	WT-22-569			no		no			
500	WT-22-569			no		no			
501	WT-22-569			no		no			
502	WT-22-569			no		no			
503	WT-22-569			no		no			
504	WT-22-569			no		no			
505	WT-22-569			no		no			
506	WT-22-569			no		no			
507	WT-22-569			no		no			
508	WT-22-569			no		no			
509	WT-22-569			no		no			
510	WT-22-569			no		no			
511	WT-22-569			no		no			
512	WT-22-569			no		no			
513	WT-22-569			no		no			
514	WT-22-569			no		no			
515	WT-22-569			no		no			I'm. SCarex
516	WT-22-569			no		no			
517	WT-22-569			no		no			
518	WT-22-569			no		no			
519	WT-22-345			no		no			
520	WT-22-345			no		no			
521	WT-22-345			no		no			
522	WT-22-345			no		no			
523	WT-22-345			no		no			
524	WT-22-345	50		no		no			
525	WT-22-345			no		no			Not sure on ssp.

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
479	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{8798f7ec-b4cb-4f17-83fd-77a30a02bf11}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
480	MC33	2022-07-09 13:47	EcoLogic_Consultants	2022-07-09 13:47	EcoLogic_Consultants	{e0f3fbd2-5f92-4b9a-a6bf-422be6fd3a1a}	{c7ba144b-5b3e-4ee0-862a-92472708e136}
481	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{192473e5-b2ee-4af1-a1cf-fc566d5d2b6c}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
482	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{bc256341-3602-4f96-8dc5-4d759c82407d}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
483	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{0ff1a35c-fdaf-490b-99b4-b0d325a212c6}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
484	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{871e12e1-19e6-4688-ad0f-242bca0f1aba}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
485	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{489658db-798c-4bdf-b9ab-6f1e05208a95}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
486	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{82efbe13-29d7-4567-8ffe-e09d66d89dfe}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
487	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{f0e47e8c-fec7-4c36-a1f9-64904c6c898b}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
488	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{fb44fbd3-c1d4-47b7-82d9-5ccc2ed4bff9}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
489	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{063537cf-ad8e-4000-abdf-53055dc0c986}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
490	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{fb2d7988-ec44-4891-bd1f-0c6fc2d25a3c}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
491	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{3f9c7d64-b4ce-4438-8515-059b1e464c62}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
492	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{c92468f0-43fc-441a-b1f3-6d482774145a}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
493	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{b1d2835b-0150-4e30-be04-517a98356289}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
494	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{fb980b2d-451c-406b-a114-55d0e3af1e23}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
495	MC34	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{4932df27-aa92-401f-a74e-b95d5a9bddc5}	{252ea8e3-f3b3-4eae-9eb9-ecbeaf1e2538}
496	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{a3af92f4-9768-4c3d-96a5-1b35cc3841dd}	{cf03893f-d547-425e-ab82-55285617916c}
497	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{9d60441e-35e9-4fb6-a8ef-93c2c3df5dfe}	{cf03893f-d547-425e-ab82-55285617916c}
498	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{05c73eeb-a8aa-4f8d-ae81-dc624dee61e9}	{cf03893f-d547-425e-ab82-55285617916c}
499	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{0e6c2c4e-0896-45fd-ac1c-080dee695da7}	{cf03893f-d547-425e-ab82-55285617916c}
500	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{bf75882b-2654-4860-961a-ea395b00f569}	{cf03893f-d547-425e-ab82-55285617916c}
501	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{720eca21-b42e-4ac6-94b1-330f16482a2e}	{cf03893f-d547-425e-ab82-55285617916c}
502	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{ca75aac3-8c08-4459-8278-950fedc803c2}	{cf03893f-d547-425e-ab82-55285617916c}
503	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{3cf350b5-681e-4b4b-9c6a-8ebbc0186666}	{cf03893f-d547-425e-ab82-55285617916c}
504	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{1ba75cb3-6fbd-45f6-9ff3-d6f05d05d5ab}	{cf03893f-d547-425e-ab82-55285617916c}
505	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{1606d3b9-5d55-429a-a90f-a96cdadfcbc9}	{cf03893f-d547-425e-ab82-55285617916c}
506	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{8f24ac20-698f-47d9-b8ee-101fba6f1166}	{cf03893f-d547-425e-ab82-55285617916c}
507	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{ab749ee4-80f9-4646-93ef-f6fee124dcd9}	{cf03893f-d547-425e-ab82-55285617916c}
508	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{49e8c9fa-1a86-4cc1-a245-c6fbd5f1b618}	{cf03893f-d547-425e-ab82-55285617916c}
509	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{11490386-3653-4c73-87fc-802883cddd4d}	{cf03893f-d547-425e-ab82-55285617916c}
510	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{3bc80be9-d5b5-43ca-8c97-1b8e674af98b}	{cf03893f-d547-425e-ab82-55285617916c}
511	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{3900f4b6-9e7e-42e2-abe7-8d90a54a11bf}	{cf03893f-d547-425e-ab82-55285617916c}
512	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{8cf96cb8-0f68-4cd7-b9df-e1c74d1cd6f6}	{cf03893f-d547-425e-ab82-55285617916c}
513	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{a3ac59c5-6e29-43c5-a0c4-ce4f771b68af}	{cf03893f-d547-425e-ab82-55285617916c}
514	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{c6e66b71-5d48-4795-819e-d834f5726e50}	{cf03893f-d547-425e-ab82-55285617916c}
515	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{a9e249ef-f6ca-40d4-a069-893ca16793bc}	{cf03893f-d547-425e-ab82-55285617916c}
516	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{b8e3a69b-bb69-457f-855d-90610a06b410}	{cf03893f-d547-425e-ab82-55285617916c}
517	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{a31ebbbe-ce60-486a-b1eb-8e1200f7c3ff}	{cf03893f-d547-425e-ab82-55285617916c}
518	WT-22-569	2022-07-09 13:48	EcoLogic_Consultants	2022-07-09 13:48	EcoLogic_Consultants	{f2c96bfd-89d4-48f6-9750-904b70cea2c2}	{cf03893f-d547-425e-ab82-55285617916c}
519	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{27b0c417-68f4-4f47-bcc9-610c315e89dd}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
520	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{191c215a-0c69-47cf-b409-3fc5b06cb1a7}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
521	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{be5a348f-cfbc-457d-bdc3-bdf5c400861f}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
522	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{90fb2f8a-80ce-46cc-b15a-99eca2cf48b2}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
523	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{b0561f14-eeb0-4c56-b898-cd061d331d95}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
524	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{1e314ac7-63a0-451f-8551-c4035074cf05}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
525	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{19045452-2cc1-4a30-b5c9-5d428a307f21}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
526	WT-22-345	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						1
527	WT-22-345	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						10
528	WT-22-345	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						1
529	WT-22-345	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
530	WT-22-345	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						10
531	WT-22-345	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					2	
533	WT-22-345	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub				3		
534	WT-22-594	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		25			5	
535	WT-22-594	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		5			7	
536	WT-22-594	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					30	
537	WT-22-594	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						40
538	WT-22-594	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						35
539	WT-22-594	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						15
540	WT-22-594	Blackwater	*Ranunculus nivalis*	RANUNIV	snow buttercup	Yellow	No Status	Herb						5
542	WT-22-367	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub				10		
543	WT-22-367	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub					10	
544	WT-22-367	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					50	
545	WT-22-367	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					10	
546	WT-22-367	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						20
547	WT-22-367	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						5
548	WT-22-367	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
549	WT-22-367	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
550	WT-22-367	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
551	WT-22-590	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	10	10		5	10	
552	WT-22-590	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		5	5			
553	WT-22-590	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					15	
554	WT-22-590	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						35
555	WT-22-590	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						5
556	WT-22-590	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						10
557	WT-22-590	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						2
558	WT-22-590	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						2
559	WT-22-590	Blackwater	*Cornus unalaschkensis*	CORNUNA	Alaskan bunchberry	Yellow	No Status	Herb						3
560	WT-22-590	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
561	WT-22-590	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
562	WT-22-590	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
563	WT-22-627A	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						30
564	WT-22-627A	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						5
565	WT-22-627A	Blackwater	*Heracleum maximum*	HERAMAX	cow-parsnip	Yellow	No Status	Herb						3
566	WT-22-627A	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						5
567	WT-22-627A	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						7
568	WT-22-627A	Blackwater	*Poa pratensis ssp. pratensis*	POA_PRA4	Kentucky bluegrass	Exotic	No Status	Herb						3
569	WT-22-627A	Blackwater	*Symphyotrichum foliaceum var. foliaceum*	SYMPFOL3	leafy aster	Yellow	No Status	Herb						3
570	WT-22-627A	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					5	
571	WT-22-627A	Blackwater	*Fragaria virginiana ssp. glauca*	FRAGVIR1	wild strawberry	Yellow	No Status	Herb						5
572	WT-22-627A	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						1
573	WT-22-627A	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						3
574	WT-22-627A	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						2

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
526	WT-22-345			no		no			
527	WT-22-345			no		no			
528	WT-22-345			no		no			It sure on ssp.
529	WT-22-345	20		no		no			
530	WT-22-345			no		no			
531	WT-22-345			no		no			
533	WT-22-345			no		no			
534	WT-22-594			no		no			
535	WT-22-594			no		no			
536	WT-22-594			no		no			
537	WT-22-594			no		no			
538	WT-22-594			no		no			
539	WT-22-594			no		no			
540	WT-22-594			no		no			
542	WT-22-367			no		no			
543	WT-22-367			no		no			
544	WT-22-367			no		no			
545	WT-22-367			no		no			
546	WT-22-367			no		no			
547	WT-22-367			no		no			
548	WT-22-367	20		no		no			
549	WT-22-367			no		no			
550	WT-22-367			no		no			
551	WT-22-590			no		no			
552	WT-22-590			no		no			
553	WT-22-590			no		no			
554	WT-22-590			no		no			
555	WT-22-590			no		no			
556	WT-22-590			no		no			
557	WT-22-590			no		no			
558	WT-22-590			no		no			
559	WT-22-590			no		no			
560	WT-22-590	10		no		no			
561	WT-22-590	10		no		no			
562	WT-22-590	20		no		no			
563	WT-22-627A			no		no			
564	WT-22-627A			no		no			
565	WT-22-627A			no		no			
566	WT-22-627A			no		no			
567	WT-22-627A			no		no			
568	WT-22-627A			no		no			
569	WT-22-627A			no		no			
570	WT-22-627A			no		no			
571	WT-22-627A			no		no			
572	WT-22-627A			no		no			
573	WT-22-627A			no		no			
574	WT-22-627A			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
526	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{a0ebd8f3-bdbd-4713-8774-7cf79b1b66b9}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
527	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{699dfee5-238d-4c39-8f9d-e413fddf4b4a}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
528	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{3191e145-db6a-4131-a7c4-bd2e121467e6}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
529	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{b15e7712-a945-4139-ae3b-3cc623b689e3}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
530	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{9e587ec8-a479-4db1-931c-c55dbe337f20}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
531	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{b271460c-65df-47a1-9c92-ef485bbca072}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
533	WT-22-345	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{99f3ba38-71f8-49cb-a2ed-f00874653678}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}
534	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{c5a14cb6-83f0-4c02-9867-a22945eaebc1}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
535	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{46cbe7a0-4706-43fd-a065-8014cae34d6b}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
536	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{5e11e220-b8c4-4649-8efa-93dee0d22bb7}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
537	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{852d0a74-cf81-4639-b933-c9cca459836b}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
538	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{f06139a1-b150-4880-9adb-59e34c899c07}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
539	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{ccd31353-4654-428f-a78f-0554d3d9a8f7}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
540	WT-22-594	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{bd83e23f-b0d9-4cf7-b4ac-d65ba9454e26}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}
542	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{74759e70-d90e-4f6b-8c72-abd7a360bcdb}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
543	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{a2564f07-21d2-4a5c-8bde-e82aeca8ca8e}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
544	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{2b5c8e3b-80f1-4dd5-b585-7e5418fa8c09}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
545	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{1831cfd0-5a12-4d81-8e94-5ff82577b43f}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
546	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{b3fa7912-ccfb-40fa-81f5-fbebd12fd301}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
547	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{0fa387bb-255f-40c7-99af-dc3e2be76700}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
548	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{bb4ae777-499e-4513-963f-f83ea73e2f05}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
549	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{09c05e27-e52d-4cd2-97bd-29d2dd50f975}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
550	WT-22-367	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{faa97d52-20cc-4089-ac43-54d978fbb3e9}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}
551	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{1790de00-9852-4cbe-b5e1-ccb093fc8e73}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
552	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{68285d0e-b863-4935-8a1d-bc587be9f367}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
553	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{07b91946-059a-4e58-8b21-a2749ba35c3d}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
554	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{f3fe5b2b-1a1f-45bb-8ed9-e8e9e08e2c6b}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
555	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{bae6fe1b-2287-461d-8281-81a60fe13727}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
556	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{488428aa-3a99-412e-98b2-bb9d80e5083a}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
557	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{c39f0757-6558-4142-8869-a12411b5b0ae}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
558	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{0dc4ef85-023e-49fd-ac95-e476781df53e}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
559	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{7bb78734-42a0-45b9-9d6f-b5941a5564c5}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
560	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{7fb52914-34d0-4213-af62-edff6e4c1a3f}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
561	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{8233bc87-443c-4940-b2fa-8ea08f9866cb}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
562	WT-22-590	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants	{c17f0c04-9608-4b4b-afca-53faf97cfab1}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}
563	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8190f5c9-2757-4817-8c99-7f1314198f04}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
564	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{e91cff8b-3c18-430d-b2b7-123cda39837d}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
565	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{c7686c38-f314-48b1-bdab-0854ecb50df4}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
566	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{e5c6ebb7-fdbd-411f-8fc7-76852ded7231}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
567	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{36456973-9423-4808-9160-a7caad8a3b4f}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
568	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{1aa78074-68fa-4509-bde4-d3a9eaceab71}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
569	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8596231b-b8c5-4b5e-a29e-e17601ffae94}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
570	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{e1834711-0e8b-4f5e-b1a0-57b8702219ce}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
571	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{72a36417-eac4-428a-bb8c-4d7a168c8b08}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
572	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{73d7dd5f-1a1d-471c-9964-97beb7a13413}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
573	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{12d6ed70-ee3b-4d6e-9d1b-7db8d12db552}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
574	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{91de5212-7f3a-4f2c-ac0d-57d9ab55fa0d}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
575	WT-22-627A	Blackwater	*Packera pauciflora*	PACKPAC	rayless alpine butterweed	Yellow	No Status	Herb						0.5
576	WT-22-627A	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						1
577	WT-22-627A	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Herb						3
578	WT-22-627A	Blackwater	*Taraxacum officinale*	TARAOFF	common dandelion	Exotic	No Status	Herb						1
579	WT-22-627A	Blackwater	*Salix scouleriana*	SALISCO	Scouler's willow	Yellow	No Status	Tree or Shrub						
580	WT-22-627A	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
581	WT-22-627A	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						2
582	WT-22-627A	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						1
583	WT-22-627A	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
584	WT-22-627A	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
585	WT-22-627A	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub		20		2	3	
586	WT-22-627A	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub		10		1		
587	WT-22-627A	Blackwater	*Sanguisorba stipulata*	SANGSTI	Sitka burnet	Yellow	No Status	Tree or Shrub					3	
588	WT-22-194	Blackwater	*Viola renifolia*	VIOLREN	kidney-leaved violet	Yellow	No Status	Herb						3
589	WT-22-194	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						5
590	WT-22-194	Blackwater	*Rhytidiadelphus triquetrus*	RHYTTRI		Yellow	No Status	Moss or Lichen						
591	WT-22-194	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
592	WT-22-194	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
593	WT-22-194	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
594	WT-22-194	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
595	WT-22-194	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
596	WT-22-194	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						15
597	WT-22-194	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						12
598	WT-22-194	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						3
599	WT-22-194	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						3
600	WT-22-194	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						3
601	WT-22-194	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					2	
602	WT-22-194	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					3	
603	WT-22-194	Blackwater	*Galium triflorum*	GALITRF	sweet-scented bedstraw	Yellow	No Status	Herb						3
604	WT-22-194	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
605	WT-22-194	Blackwater	*Tiarella trifoliata var. unifoliata*	TIARTRI2	one-leaved foamflower	Yellow	No Status	Herb						3
606	WT-22-194	Blackwater	*Heracleum maximum*	HERAMAX	cow-parsnip	Yellow	No Status	Herb						3
607	WT-22-194	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub		35		3		
608	WT-22-194	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub				3		
609	WT-22-220	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub				25		
610	WT-22-220	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				7	3	
611	WT-22-220	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						25
612	WT-22-220	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						15
613	WT-22-220	Blackwater	*Heracleum maximum*	HERAMAX	cow-parsnip	Yellow	No Status	Herb						5
614	WT-22-220	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
615	WT-22-220	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub				5		
616	WT-22-220	Blackwater	*Thalictrum venulosum*	THALVEN	veiny meadowrue	Yellow	No Status	Herb						12
617	WT-22-220	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						25
618	WT-22-220	Blackwater	*Rubus idaeus ssp. strigosus*	RUBUIDA3	red raspberry	Yellow	No Status	Tree or Shrub					7	
619	WT-22-220	Blackwater	*Taraxacum officinale*	TARAOFF	common dandelion	Exotic	No Status	Herb						1
620	WT-22-220	Blackwater	*Packera pauciflora*	PACKPAC	rayless alpine butterweed	Yellow	No Status	Herb						2
621	WT-22-220	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub				5		

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
575	WT-22-627A			no		no			
576	WT-22-627A			no		no			
577	WT-22-627A			no		no			
578	WT-22-627A			no		no			
579	WT-22-627A			no		no			
580	WT-22-627A	0.5		no		no			
581	WT-22-627A			no		no			
582	WT-22-627A			no		no			
583	WT-22-627A	5		no		no			
584	WT-22-627A	1		no		no			
585	WT-22-627A			no		no			
586	WT-22-627A			no		no			
587	WT-22-627A			no		no			
588	WT-22-194			no		no			
589	WT-22-194			no		no			
590	WT-22-194	7		no		no			
591	WT-22-194	40		no		no			Dominant
592	WT-22-194	10		no		no			
593	WT-22-194	5		no		no			
594	WT-22-194			no		no			5
595	WT-22-194	10		no		no			
596	WT-22-194			no		no			
597	WT-22-194			no		no			
598	WT-22-194			no		no			
599	WT-22-194			no		no			
600	WT-22-194			no		no			
601	WT-22-194			no		no			
602	WT-22-194			no		no			
603	WT-22-194			no		no			
604	WT-22-194			no		no			
605	WT-22-194			no		no			
606	WT-22-194			no		no			
607	WT-22-194			no		no			
608	WT-22-194			no		no			
609	WT-22-220			no		no			
610	WT-22-220			no		no			
611	WT-22-220			no		no			
612	WT-22-220			no		no			
613	WT-22-220			no		no			
614	WT-22-220	7		no		no			
615	WT-22-220			no		no			
616	WT-22-220			no		no			
617	WT-22-220			no		no			
618	WT-22-220			no		no			
619	WT-22-220			no		no			
620	WT-22-220			no		no			
621	WT-22-220			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
575	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{72b5ea93-6f6d-491a-8281-7a069f761fe7}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
576	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{85e30bf0-6c28-4f38-aea4-ac2d333dc5a9}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
577	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{e30dc605-a156-48a9-8450-69f99ecb8aa4}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
578	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{a52215d1-e3b3-4da0-a404-9e12c6effe22}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
579	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-13 7:32	EcoLogic_Consultants	{27c171f4-9fe3-436f-9222-80dc5502df81}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
580	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8398ce47-2980-4a9e-90cb-ac540fc7923d}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
581	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b9679be6-f711-4b75-97e5-2341b15776de}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
582	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{571ae434-abde-439f-b8f6-c81a5637eca3}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
583	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{25e7d543-bb17-4229-902d-f8b2d6028de2}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
584	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{741eb98c-c436-4a5d-8877-37069dbb2d35}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
585	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{294eaffe-a926-4860-a724-b8985d537cbb}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
586	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{183362e1-f31e-4201-bc99-7833062b4987}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
587	WT-22-627A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{c99696ac-344f-4dab-8435-b2305e0135e7}	{4633bcb0-480b-4171-947c-63a5a1f23ca1}
588	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{a1237d49-de8a-4410-8b7d-d33b1c448d4a}	{96dce703-739a-42a5-889a-0e44c6c5b490}
589	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{c596147f-61c6-4ead-9080-868bb3d2e1d3}	{96dce703-739a-42a5-889a-0e44c6c5b490}
590	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{149a695b-988d-44a6-80be-a836c32dae12}	{96dce703-739a-42a5-889a-0e44c6c5b490}
591	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{c643df1f-a71c-4f71-98f5-d89896774de7}	{96dce703-739a-42a5-889a-0e44c6c5b490}
592	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b6f272f1-2d54-4830-a645-2983548023d7}	{96dce703-739a-42a5-889a-0e44c6c5b490}
593	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{e07699ad-5930-481b-b624-f44693613305}	{96dce703-739a-42a5-889a-0e44c6c5b490}
594	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{21627aca-c950-44d1-9116-c56e1e95bc52}	{96dce703-739a-42a5-889a-0e44c6c5b490}
595	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{ad6731ee-9d91-46fd-afc9-cb180558cbb6}	{96dce703-739a-42a5-889a-0e44c6c5b490}
596	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{922b7fa0-6d82-46ad-b159-ba4a1db13a2b}	{96dce703-739a-42a5-889a-0e44c6c5b490}
597	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{4276b841-e589-42d4-979b-e197bd9f4b43}	{96dce703-739a-42a5-889a-0e44c6c5b490}
598	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8e452bb8-1d0a-4fa8-9749-f48ae9272e64}	{96dce703-739a-42a5-889a-0e44c6c5b490}
599	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{e10f6868-39fa-4304-a69b-092401502151}	{96dce703-739a-42a5-889a-0e44c6c5b490}
600	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{f9433dc7-75cf-46b1-82b4-af3566b99cef}	{96dce703-739a-42a5-889a-0e44c6c5b490}
601	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{6731af70-b4ac-4b9d-9708-2f0665b94895}	{96dce703-739a-42a5-889a-0e44c6c5b490}
602	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{5d21df4a-993e-43cc-85f3-64f4ff1f5e4d}	{96dce703-739a-42a5-889a-0e44c6c5b490}
603	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{6273fd9b-0150-434f-b5d2-2fce6ea8ce80}	{96dce703-739a-42a5-889a-0e44c6c5b490}
604	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{21821d7a-75a0-4a50-b857-b94f0dca6fac}	{96dce703-739a-42a5-889a-0e44c6c5b490}
605	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b9f18848-9ce8-47ae-8288-90a08dc5da77}	{96dce703-739a-42a5-889a-0e44c6c5b490}
606	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{0c0706ea-2f6d-4c63-b617-70d1d7715a0b}	{96dce703-739a-42a5-889a-0e44c6c5b490}
607	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b95f8ee1-6df4-447b-a1a7-bf4859a1803c}	{96dce703-739a-42a5-889a-0e44c6c5b490}
608	WT-22-194	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{f36a80f5-88e9-4482-a040-1cd24b1154b2}	{96dce703-739a-42a5-889a-0e44c6c5b490}
609	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{347e40cd-c176-4ca7-b2f3-709aa5219e80}	{fccc34de-f673-4569-b94c-d47681ec058c}
610	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{9f1a7407-c55b-44e6-80c8-d0934b43118f}	{fccc34de-f673-4569-b94c-d47681ec058c}
611	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{75a14cd7-21e2-4860-a446-a9030abb514f}	{fccc34de-f673-4569-b94c-d47681ec058c}
612	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{56571826-c3cf-4c2d-9646-ade4b68a5e8c}	{fccc34de-f673-4569-b94c-d47681ec058c}
613	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{2c7fcf6d-3046-4dee-b88d-e26a66f04a82}	{fccc34de-f673-4569-b94c-d47681ec058c}
614	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{550bdd9c-22ce-4514-b212-9659fa13eae0}	{fccc34de-f673-4569-b94c-d47681ec058c}
615	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{42aecbaf-69d5-46b1-a464-d3d34baf2121}	{fccc34de-f673-4569-b94c-d47681ec058c}
616	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{ced832f6-cdfb-479d-abee-5f91c6b488b5}	{fccc34de-f673-4569-b94c-d47681ec058c}
617	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{9d939183-2f6e-4c2f-bc18-a126d1694e13}	{fccc34de-f673-4569-b94c-d47681ec058c}
618	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{bb2e9208-8edc-46c5-a99f-773d03403ea3}	{fccc34de-f673-4569-b94c-d47681ec058c}
619	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b725a0a7-efb7-4248-9a04-d28280d49f2f}	{fccc34de-f673-4569-b94c-d47681ec058c}
620	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{810fb0c8-011f-43c4-ba35-b80b02ddf546}	{fccc34de-f673-4569-b94c-d47681ec058c}
621	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{eb7c06b6-78aa-461b-9761-403d6a86f01e}	{fccc34de-f673-4569-b94c-d47681ec058c}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
622	WT-22-220	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						1
623	WT-22-398	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						80
624	WT-22-398	Blackwater	*Eriophorum scheuchzeri*	ERIOSCH	Scheuchzer's cotton-grass	Yellow	No Status	Herb						1
625	WT-22-398	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						3
626	WT-22-398	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						3
627	WT-22-398	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
628	WT-22-398	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					3	
629	WT-22-398	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				10	5	
630	WT-22-398	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				2	2	
631	WT-22-398	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
632	WT-22-398	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
633	WT-22-398	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
634	WT-22-398	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						3
635	WT-22-398	Blackwater	*Luzula parviflora ssp. parviflora*	LUZUPAR2	small-flowered wood-rush	Yellow	No Status	Herb						2
636	WT-22-398	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						
637	WT-22-398	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				2		
638	WT-22-398	Blackwater	*Viola macloskeyi*	VIOLMAL	small white violet	Yellow	No Status	Herb						2
639	WT-22-398	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
640	WT-22-398	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						2
641	WT-22-398	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
642	WT-22-398	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						1
643	WT-22-398	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
644	WT-22-398	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						1
645	WT-22-398	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						3
646	WT-22-424A	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						45
647	WT-22-424A	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						10
648	WT-22-424A	Blackwater	*Elymus glaucus ssp. glaucus*	ELYMGLA5	blue wildrye	Yellow	No Status	Herb						5
649	WT-22-424A	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					60	
650	WT-22-424A	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				3		
651	WT-22-424A	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				5		
652	WT-22-424A	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
653	WT-22-424A	Blackwater	*Rosa woodsii spp. woodsii*	ROSAWOO2	Wood's rose	Yellow	No Status	Tree or Shrub					2	
654	WT-22-424A	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
655	WT-22-424A	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						3
656	WT-22-001	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub	0	0	0	20	0	
657	WT-22-001	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	2	
658	WT-22-001	Blackwater	*Salix glauca var. villosa*	SALIGLA2	grey-leaved willow	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
659	WT-22-001	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	0	
660	WT-22-001	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub	0	0	0	0	8	
661	WT-22-001	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						0.001
662	WT-22-001	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.001
663	WT-22-001	Blackwater	*Symphyotrichum ciliolatum*	SYMPCII	Lindley's aster	Yellow	No Status	Herb						0.001
664	WT-22-001	Blackwater	*Canadanthus modestus*	CANAMOD	great northern aster	Yellow	No Status	Herb						0.001
665	WT-22-001	Blackwater	*Poa pratensis ssp. pratensis*	POA_PRA4	Kentucky bluegrass	Exotic	No Status	Herb						0.001
666	WT-22-001	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						2
667	WT-22-001	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						0.001
668	WT-22-001	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						50

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
622	WT-22-220			no		no			
623	WT-22-398			no		no			
624	WT-22-398			no		no			
625	WT-22-398			no		no			
626	WT-22-398			no		no			
627	WT-22-398			no		no			
628	WT-22-398			no		no			
629	WT-22-398			no		no			
630	WT-22-398			no		no			
631	WT-22-398	55		no		no			
632	WT-22-398	12		no		no			
633	WT-22-398	7		no		no			
634	WT-22-398			no		no			
635	WT-22-398			no		no			
636	WT-22-398			no		no			
637	WT-22-398			no		no			
638	WT-22-398			no		no			
639	WT-22-398			no		no			
640	WT-22-398			no		no			
641	WT-22-398	1		no		no			
642	WT-22-398			no		no			
643	WT-22-398	1		no		no			
644	WT-22-398			no		no			
645	WT-22-398			no		no			
646	WT-22-424A			no		no			
647	WT-22-424A			no		no			
648	WT-22-424A			no		no			
649	WT-22-424A			no		no			
650	WT-22-424A			no		no			
651	WT-22-424A			no		no			
652	WT-22-424A	5		no		no			
653	WT-22-424A			no		no			
654	WT-22-424A			no		no			
655	WT-22-424A			no		no			
656	WT-22-001			no		no			
657	WT-22-001			no		no			
658	WT-22-001			no		no			
659	WT-22-001			no		no			
660	WT-22-001			no		no			
661	WT-22-001			no		no			
662	WT-22-001			no		no			
663	WT-22-001			no		no			
664	WT-22-001			no		no			
665	WT-22-001			no		no			
666	WT-22-001			no		no			
667	WT-22-001			no		no			
668	WT-22-001			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
622	WT-22-220	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{63ed7567-935b-49a3-8249-1f1332beed1b}	{fccc34de-f673-4569-b94c-d47681ec058c}
623	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{3c5fea4b-45f4-4569-a4ac-fabc2add4aeb}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
624	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b5a3c847-6f8b-4c43-bfdd-e9f108b51184}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
625	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{84c54184-8db2-4a0d-b1d1-e0293defbe83}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
626	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8ece3a6a-c5fa-47e0-b6a2-055632886df2}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
627	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{f6591a1c-fbbc-44d6-8cdb-335921333bdb}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
628	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{fb3fcd20-9a90-4e02-9f9d-3bb1f722b4be}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
629	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8528d460-7e51-4bab-a0c1-0e6c345ad2c2}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
630	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{54a6b068-c94a-490c-a741-5de98fb47770}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
631	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{abfae01f-637f-471e-b05e-d147cad773c4}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
632	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{6b365d4c-736d-4df0-8071-70c0b2dce18f}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
633	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{4a69eeaf-c6e6-4b7e-a436-52f59433893d}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
634	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-13 7:35	EcoLogic_Consultants	{052b40ff-50df-4eb3-8db8-2bfcc32f0c6b}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
635	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{be9b9dd7-c06b-4f48-8b28-44153f97ddba}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
636	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b1a5312c-bc84-421f-b9b8-0af03c6f44bd}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
637	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{9d4bccb6-f147-4626-81a1-d5ceec2e0eec}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
638	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{4229539c-738e-4f60-ab0f-02a71c16620d}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
639	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{83d22d02-4091-4b31-8d53-669c94df106c}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
640	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{f68302f7-373e-491b-9176-7a668e205c5d}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
641	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{598cf422-845d-4b60-b7e5-0fef785212e3}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
642	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{b30c0d66-b714-4dc7-8579-c9340c9bd7cf}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
643	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{c1ae423c-6984-4e1a-a786-26f1d27acf3b}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
644	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{9ad4205b-0320-4269-bc92-f0c5d6c37485}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
645	WT-22-398	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{4eceb4b0-75bf-43c7-a4e8-8ae3a256bf67}	{d0b3ad5c-39b3-4f23-90a2-baa445d57170}
646	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{988b375f-e1ba-481b-9416-22b2a1dacf04}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
647	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{3764c744-125b-4903-9e46-2a5bb2fa40a3}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
648	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{3d90d5a0-4ef6-4644-910a-ca3b4cfe6236}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
649	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{8f010472-b978-4325-a240-88ed8fa7c6cb}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
650	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{454a5252-bf13-49f2-8e4b-a3b0ee4be19e}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
651	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{cc10e88c-8454-4d6c-8dc0-7858a5e73a6c}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
652	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{cec5fbe6-f28f-4bf2-858c-d68d45f8c51f}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
653	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-13 7:36	EcoLogic_Consultants	{c9d4f735-6809-48a5-9a86-2da94ef7b11f}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
654	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{9982fe40-066c-408e-849c-c2a6c4f7a0fc}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
655	WT-22-424A	2022-07-10 5:27	Field1_ConsultEcoLogic	2022-07-10 5:27	Field1_ConsultEcoLogic	{850a6813-b609-47a7-90e5-c24b96956eca}	{5e444f17-21e8-40b7-bdde-98c23756c0f6}
656	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{7adee817-799c-4fca-9e78-6c5792a3a516}	{10d1d91d-d2da-4919-a725-49cc0823095b}
657	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{f1bf9fc1-6aba-4660-b3b4-1f30a9e4bc81}	{10d1d91d-d2da-4919-a725-49cc0823095b}
658	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{a15a1bee-934e-477b-a1fe-578099042ffe}	{10d1d91d-d2da-4919-a725-49cc0823095b}
659	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{01dcc2c0-45c1-436f-8861-33c67bd57f32}	{10d1d91d-d2da-4919-a725-49cc0823095b}
660	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{a00698e8-15e8-4afa-8faa-a350e3480035}	{10d1d91d-d2da-4919-a725-49cc0823095b}
661	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{da288950-10cd-4e30-bc0a-05a47440317c}	{10d1d91d-d2da-4919-a725-49cc0823095b}
662	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{f17166c2-29dd-4f55-93fa-438004194462}	{10d1d91d-d2da-4919-a725-49cc0823095b}
663	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{36b5ec63-2319-415d-b685-27e440d7e7e8}	{10d1d91d-d2da-4919-a725-49cc0823095b}
664	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{115ef204-08af-416f-93e6-cb45baee6258}	{10d1d91d-d2da-4919-a725-49cc0823095b}
665	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{78de1aed-def2-43ae-aa75-3d8a6f360f70}	{10d1d91d-d2da-4919-a725-49cc0823095b}
666	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{b76194d4-f984-4f73-978a-9a42b687fc92}	{10d1d91d-d2da-4919-a725-49cc0823095b}
667	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{6d6e7e44-0820-41b7-ba6e-2b80336995ef}	{10d1d91d-d2da-4919-a725-49cc0823095b}
668	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{8b35ae58-8d2e-4dfa-90ef-563207041318}	{10d1d91d-d2da-4919-a725-49cc0823095b}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
669	WT-22-001	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
670	WT-22-001	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						0.001
671	WT-22-001	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
672	WT-22-001	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						0.001
673	WT-22-001	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0	0	2	0	0	
674	WT-22-001	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
675	WT-22-189	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	5	2	2	15	5	
676	WT-22-189	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
677	WT-22-189	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	20	
678	WT-22-189	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						2
679	WT-22-189	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
680	WT-22-189	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						0.001
681	WT-22-189	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						2
682	WT-22-189	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
683	WT-22-189	Blackwater	*Equisetum pratense*	EQUIPRA	meadow horsetail	Yellow	No Status	Herb						2
684	WT-22-189	Blackwater	*Linnaea borealis ssp. longiflora*	LINNBOR2	twinflower	Yellow	No Status	Herb						6
685	WT-22-189	Blackwater	*Canadanthus modestus*	CANAMOD	great northern aster	Yellow	No Status	Herb						8
686	WT-22-189	Blackwater	*Fragaria virginiana ssp. glauca*	FRAGVIR1	wild strawberry	Yellow	No Status	Herb						0.001
687	WT-22-189	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
688	WT-22-189	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						0.001
689	WT-22-189	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						1
690	WT-22-189	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						0.001
691	WT-22-189	Blackwater	*Symphyotrichum ciliolatum*	SYMPCII	Lindley's aster	Yellow	No Status	Herb						0.001
692	WT-22-189	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						0.001
693	WT-22-189	Blackwater	*Populus trichocarpa*	POPUTRI	black cottonwood	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
694	WT-22-189	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
695	WT-22-189	Blackwater	*Astragalus americanus*	ASTRAME	American milk-vetch	Yellow	No Status	Herb						0.001
696	WT-22-189	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub	0	0	0	2	0	
697	WT-22-232	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	0	2	0	
698	WT-22-232	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	2	4	0	8	5	
699	WT-22-232	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	0	0	0	4	0	
700	WT-22-232	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	35	
701	WT-22-232	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						8
702	WT-22-232	Blackwater	*Equisetum pratense*	EQUIPRA	meadow horsetail	Yellow	No Status	Herb						40
703	WT-22-232	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
704	WT-22-232	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
705	WT-22-232	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
706	WT-22-232	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						1
707	WT-22-232	Blackwater	*Rubus pubescens*	RUBUPUB	dwarf red raspberry	Yellow	No Status	Herb						0.001
708	WT-22-232	Blackwater	*Galium triflorum*	GALITRF	sweet-scented bedstraw	Yellow	No Status	Herb						0.001
709	WT-22-232	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	5	
710	WT-22-232	Blackwater	*Linnaea borealis ssp. longiflora*	LINNBOR2	twinflower	Yellow	No Status	Herb						0.001
711	WT-22-232	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						0.001
712	WT-22-232	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						0.001
713	WT-22-232	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						0.001
714	WT-22-232	Blackwater	*Fragaria virginiana ssp. glauca*	FRAGVIR1	wild strawberry	Yellow	No Status	Herb						0.001
715	WT-22-190	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	10	4	2	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
669	WT-22-001			no		no			
670	WT-22-001			no		no			
671	WT-22-001			no		no			
672	WT-22-001			no		no			
673	WT-22-001			no		no			
674	WT-22-001			no		no			
675	WT-22-189			no		no			
676	WT-22-189			no		no			
677	WT-22-189			no		no			
678	WT-22-189			no		no			
679	WT-22-189			no		no			
680	WT-22-189			no		no			
681	WT-22-189			no		no			
682	WT-22-189			no		no			
683	WT-22-189			no		no			
684	WT-22-189			no		no			
685	WT-22-189			no		no			
686	WT-22-189			no		no			
687	WT-22-189			no		no			
688	WT-22-189			no		no			
689	WT-22-189			no		no			
690	WT-22-189			no		no			
691	WT-22-189			no		no			
692	WT-22-189			no		no			
693	WT-22-189			no		no			
694	WT-22-189			no		no			
695	WT-22-189			no		no			
696	WT-22-189			no		no			
697	WT-22-232			no		no			
698	WT-22-232			no		no			
699	WT-22-232			no		no			
700	WT-22-232			no		no			
701	WT-22-232			no		no			
702	WT-22-232			no		no			
703	WT-22-232			no		no			
704	WT-22-232			no		no			
705	WT-22-232			no		no			
706	WT-22-232			no		no			
707	WT-22-232			no		no			
708	WT-22-232			no		no			
709	WT-22-232			no		no			
710	WT-22-232			no		no			
711	WT-22-232			no		no			
712	WT-22-232			no		no			
713	WT-22-232			no		no			
714	WT-22-232			no		no			
715	WT-22-190			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
669	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{0f0be3b5-b36a-4119-8d73-243f82f801f2}	{10d1d91d-d2da-4919-a725-49cc0823095b}
670	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{be98c0d5-f98d-4512-9c8b-258429f94b31}	{10d1d91d-d2da-4919-a725-49cc0823095b}
671	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{3036c9c4-f756-46c4-b636-2d994df5b9cd}	{10d1d91d-d2da-4919-a725-49cc0823095b}
672	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{5ec3853c-9d42-4392-b8e7-3da3b9acf5b1}	{10d1d91d-d2da-4919-a725-49cc0823095b}
673	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{0bf67950-fd09-4186-8c05-f27060ec6bda}	{10d1d91d-d2da-4919-a725-49cc0823095b}
674	WT-22-001	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{39beca38-3c75-443c-bb3a-a9780f3f93fe}	{10d1d91d-d2da-4919-a725-49cc0823095b}
675	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{5b8223e7-7799-4520-89e2-5e8241ea32f1}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
676	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{4d52cd7e-b6ee-4bc3-b83b-3f6835d14b4f}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
677	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{96adf50a-5d91-4876-adf6-b711f38c6fff}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
678	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{7ddaa298-e336-4c07-869e-35ec2fc84661}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
679	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{31f783ed-060e-432a-8267-bc8a6a73feb4}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
680	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{cf6955a5-1623-4bfe-9adb-5f9b23da93b3}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
681	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{f9021107-8357-42da-baa8-14221228742e}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
682	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{2e9fbbff-e2ab-46b7-aba7-a1129e48d84c}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
683	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{660b4202-32db-4d98-9e79-783f0eab4461}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
684	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{c3492a17-3e53-4b8a-9578-70015ceb5039}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
685	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{3b8268ae-9326-410a-98e3-aea194a9ba84}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
686	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{89e1d626-717e-465b-8608-abe387ab9083}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
687	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{0dba33b7-67f5-498a-b994-f0cc0368ca5e}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
688	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{85344e40-a496-4b5f-b982-208454f3599b}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
689	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{8f8b372e-fb59-4db2-a851-d194f8a358df}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
690	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{07cdf9e7-b91f-4a8e-b1ab-87835928c86e}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
691	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{4cce1c02-d121-46ad-b41d-52a2ca7c2023}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
692	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{c6f0a9cc-bbe0-476d-a235-87a1dc8d58a7}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
693	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{80f28f8e-dd35-473e-b178-d3f0ebe2ed53}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
694	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{30773082-5859-48e8-9593-52b141b2c5ff}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
695	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{06cdd17a-4e38-4950-b3b4-d52a1568276d}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
696	WT-22-189	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{6cadb6da-328f-4dc6-a59e-9abd856e07db}	{21714c7c-5f34-4c18-8e41-e847906a4a71}
697	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{ed311f79-7cdf-49f2-803e-03a953c0d5e0}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
698	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{744b3d75-a2f0-4e9c-8453-ed6cdbaf914b}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
699	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{853386c9-ccfe-48c1-b3d8-a959f0f16427}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
700	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{75c1544c-ed32-4ac2-9e8e-d578fdc1aa0e}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
701	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{c8942a27-7d08-4b57-9962-410ec9f2d733}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
702	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{48e7f71f-3604-4ad2-95cb-63a60957ef24}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
703	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{881f21cc-53fe-41f3-92cb-4eb08c9172b7}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
704	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{ea9496e4-68f3-447b-8965-7924dc3b3a4e}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
705	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{4348be31-682a-4ca8-b80f-58838744176a}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
706	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{879e5dec-852b-4ca1-86c7-140d07834b66}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
707	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{034d2a62-a226-4b55-b6dc-bc25ae2568c6}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
708	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{703e8dbd-f6bc-4b13-b18b-e20e986af884}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
709	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{ca943ef9-c838-4adc-9691-6c6ab14b6c01}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
710	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{3b7f53bd-24c1-410e-97eb-70c8480d22d5}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
711	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{78404aa7-4127-45a7-97b8-920e6ef0e7bf}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
712	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{d30dd166-7cdc-4fe0-85f7-95a8d42f4143}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
713	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{05a8a0ca-56fd-4b88-929d-6471bb52947d}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
714	WT-22-232	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{46d854f4-5409-472a-bb74-6a7143d25419}	{d179fbf2-b65c-466f-a54c-96ccbc9789b1}
715	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{276c315a-6388-4a78-91b7-7faffa6d21b4}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
716	WT-22-190	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	35	
717	WT-22-190	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						2
718	WT-22-190	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						0.001
719	WT-22-190	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						10
720	WT-22-190	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						5
721	WT-22-190	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
722	WT-22-190	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
723	WT-22-190	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
724	WT-22-190	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
725	WT-22-190	Blackwater	*Platanthera obtusata ssp. obtusata*	PLATOBT1	one-leaved rein orchid	Yellow	No Status	Herb						0.001
726	WT-22-191	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	15	10	4	
727	WT-22-191	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	40	
728	WT-22-191	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	12	
729	WT-22-191	Blackwater	*Salix maccalliana*	SALIMAC	MacCalla's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
730	WT-22-191	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						0.001
731	WT-22-191	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						50
732	WT-22-191	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
733	WT-22-191	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						0.001
734	WT-22-191	Blackwater	*Carex vaginata*	CAREVAG	sheathed sedge	Yellow	No Status	Herb						2
735	WT-22-191	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						0.001
736	WT-22-191	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
737	WT-22-191	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.001
738	WT-22-465	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
739	WT-22-465	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
740	WT-22-465	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
741	WT-22-465	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
742	WT-22-465	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
743	WT-22-465	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
744	WT-22-465	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						12
745	WT-22-465	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						20
746	WT-22-465	Blackwater	*Tiarella trifoliata var. unifoliata*	TIARTRI2	one-leaved foamflower	Yellow	No Status	Herb						3
747	WT-22-465	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						5
748	WT-22-465	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						3
749	WT-22-465	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						3
750	WT-22-465	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						2
751	WT-22-465	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					5	
752	WT-22-465	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					3	
753	WT-22-465	Blackwater	*Fragaria virginiana ssp. glauca*	FRAGVIR1	wild strawberry	Yellow	No Status	Herb						2
754	WT-22-465	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						3
755	WT-22-465	Blackwater	*Sanguisorba stipulata*	SANGSTI	Sitka burnet	Yellow	No Status	Herb						3
756	WT-22-465	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						1
757	WT-22-465	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
758	WT-22-465	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
759	WT-22-465	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						2
760	WT-22-465	Blackwater	*Symphyotrichum foliaceum var. foliaceum*	SYMPFOL3	leafy aster	Yellow	No Status	Herb						2
761	WT-22-465	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						1
762	WT-22-465	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Herb						2

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
716	WT-22-190			no		no			
717	WT-22-190			no		no			
718	WT-22-190			no		no			
719	WT-22-190			no		no			
720	WT-22-190			no		no			
721	WT-22-190			no		no			
722	WT-22-190			no		no			
723	WT-22-190			no		no			
724	WT-22-190			no		no			
725	WT-22-190			no		no			
726	WT-22-191			no		no			
727	WT-22-191			no		no			
728	WT-22-191			no		no			
729	WT-22-191			no		no			
730	WT-22-191			no		no			
731	WT-22-191			no		no			
732	WT-22-191			no		no			
733	WT-22-191			no		no			
734	WT-22-191			no		no			
735	WT-22-191			no		no			
736	WT-22-191			no		no			
737	WT-22-191			no		no			
738	WT-22-465	30		no		no			
739	WT-22-465	20		no		no			
740	WT-22-465	3		no		no			
741	WT-22-465	10		no		no			
742	WT-22-465	20		no		no			
743	WT-22-465	3		no		no			
744	WT-22-465			no		no			
745	WT-22-465			no		no			
746	WT-22-465			no		no			
747	WT-22-465			no		no			
748	WT-22-465			no		no			
749	WT-22-465			no		no			
750	WT-22-465			no		no			
751	WT-22-465			no		no			
752	WT-22-465			no		no			
753	WT-22-465			no		no			Fragvir no subspecies
754	WT-22-465			no		no			
755	WT-22-465			no		no			
756	WT-22-465			no		no			
757	WT-22-465			no		no			
758	WT-22-465	1		no		no			
759	WT-22-465			no		no			
760	WT-22-465			no		no			
761	WT-22-465			no		no			
762	WT-22-465			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
716	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{b91aa861-fca0-495a-8a7a-76a6ef392df0}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
717	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{fa50fc18-2587-45ff-bba1-3e8f8d67c6d3}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
718	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{36c8b7f4-5703-4a28-b3ef-a592466786cc}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
719	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{490a1805-b3d1-4343-9443-cd14d206f9c3}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
720	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{2fce14cf-331a-47ac-b13e-3956bd5eaf3a}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
721	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{ca3811bf-445c-4f5c-b006-096d388e8d89}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
722	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{55b18a10-d694-4d73-8d4f-0f55e7780165}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
723	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{36ff32fc-a557-4607-80a3-d5ff516363cf}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
724	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{f164cffe-0527-4696-9362-9b8f7ef6a6f4}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
725	WT-22-190	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{eff989ba-092d-4d8d-86de-f9c052233c14}	{e8115ce8-e654-44a0-9cac-2e2ea3fdaf19}
726	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{656b5457-d81f-4437-8603-c45b4638c2b1}	{49f65839-608c-460c-b767-1a1d1d72196c}
727	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{2d19610e-1135-4ecd-9dd3-75ca5f8ee6a4}	{49f65839-608c-460c-b767-1a1d1d72196c}
728	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{1117295c-918a-4744-b181-a0564cf7ad3d}	{49f65839-608c-460c-b767-1a1d1d72196c}
729	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{9e281f50-8b5a-4364-ab1a-254574a1cab7}	{49f65839-608c-460c-b767-1a1d1d72196c}
730	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{bd85a2c7-7d21-4f69-b566-474f8b02c845}	{49f65839-608c-460c-b767-1a1d1d72196c}
731	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{b9a61e85-faa9-429c-ad77-36f0708eba67}	{49f65839-608c-460c-b767-1a1d1d72196c}
732	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{27dc7b8a-7910-4819-8779-fde9631947 40}	{49f65839-608c-460c-b767-1a1d1d72196c}
733	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{a0976826-9bcf-457c-a434-61555eff4035}	{49f65839-608c-460c-b767-1a1d1d72196c}
734	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{1525caf6-91cc-4d40-84de-9cdd399c7bc8}	{49f65839-608c-460c-b767-1a1d1d72196c}
735	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{df327d35-1ed2-418f-a0e7-4ad579a54222}	{49f65839-608c-460c-b767-1a1d1d72196c}
736	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{63cdc500-b697-4399-b693-95f82be74a15}	{49f65839-608c-460c-b767-1a1d1d72196c}
737	WT-22-191	2022-07-10 14:03	EcoLogic_Consultants	2022-07-10 14:03	EcoLogic_Consultants	{fdf4382a-d672-4ed8-a77a-543ff2fe6e8b}	{49f65839-608c-460c-b767-1a1d1d72196c}
738	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{1e7c50a9-b1f3-49b9-ad13-49c727d7fdd5}	{385ef22f-7782-4075-b6e3-916db9bced05}
739	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{89814408-991f-499b-99d8-dc507c7b7348}	{385ef22f-7782-4075-b6e3-916db9bced05}
740	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4bba24e6-5477-401b-9a46-74e70c18ab10}	{385ef22f-7782-4075-b6e3-916db9bced05}
741	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{ff841dcf-cb09-4cd3-b846-ae7d69cebe61}	{385ef22f-7782-4075-b6e3-916db9bced05}
742	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{d7d75f09-911b-49a2-88aa-8976950ad79b}	{385ef22f-7782-4075-b6e3-916db9bced05}
743	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c07ce44a-714c-47c2-a92f-eba8748837d2}	{385ef22f-7782-4075-b6e3-916db9bced05}
744	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{f8184d32-bd62-4edc-9c85-5f03b984837e}	{385ef22f-7782-4075-b6e3-916db9bced05}
745	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{06b9526a-40d4-4d60-9650-fda29a53cda3}	{385ef22f-7782-4075-b6e3-916db9bced05}
746	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a2a26d67-a79a-44c5-9505-a1263a139759}	{385ef22f-7782-4075-b6e3-916db9bced05}
747	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{b76b191e-ad86-4772-82ed-3ce3fe4c8ccf}	{385ef22f-7782-4075-b6e3-916db9bced05}
748	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{15641420-47bc-407c-90b3-893bc7412649}	{385ef22f-7782-4075-b6e3-916db9bced05}
749	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{7111ff59-f063-447e-be54-29916e306dae}	{385ef22f-7782-4075-b6e3-916db9bced05}
750	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a0c80f8b-32d4-4beb-ae15-964526722494}	{385ef22f-7782-4075-b6e3-916db9bced05}
751	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{e273aa95-ffdf-4bc9-84b3-63fbfb966469}	{385ef22f-7782-4075-b6e3-916db9bced05}
752	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{3fb54455-7cc1-4c9f-8b58-e7c3bb3e4d41}	{385ef22f-7782-4075-b6e3-916db9bced05}
753	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{29c41033-0206-4cb6-890e-ac2ce267c917}	{385ef22f-7782-4075-b6e3-916db9bced05}
754	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a99abdbb-021a-4d75-92c4-89b2c82e53f2}	{385ef22f-7782-4075-b6e3-916db9bced05}
755	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{fa34e092-5a3f-4577-8bf6-ebe7c6f4d251}	{385ef22f-7782-4075-b6e3-916db9bced05}
756	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c2bed895-de77-47ef-89eb-8dc14dcd7f8a}	{385ef22f-7782-4075-b6e3-916db9bced05}
757	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4c6548c8-ca0d-4bba-b18d-c2990c85fc17}	{385ef22f-7782-4075-b6e3-916db9bced05}
758	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{31722ee0-ef3a-4260-bcf6-5e1b806627b1}	{385ef22f-7782-4075-b6e3-916db9bced05}
759	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{438f7f1b-c25c-46a4-951a-eda63617ffdc}	{385ef22f-7782-4075-b6e3-916db9bced05}
760	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8ebda2a4-9318-4747-96ab-72275ddeb345}	{385ef22f-7782-4075-b6e3-916db9bced05}
761	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4ea8e7b7-8298-4ea2-94f4-dd7944ed8a69}	{385ef22f-7782-4075-b6e3-916db9bced05}
762	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{ae66bbe9-5f94-4f04-956d-8cbbd19a879a}	{385ef22f-7782-4075-b6e3-916db9bced05}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
763	WT-22-465	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
764	WT-22-465	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
765	WT-22-465	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		25		10		
766	WT-22-465	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	5	5				
767	WT-22-465	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						1
768	WT-22-417	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						60
769	WT-22-417	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						10
770	WT-22-417	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					90	
771	WT-22-417	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						2
772	WT-22-417	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						3
773	WT-22-417	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						1
774	WT-22-417	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
775	WT-22-417	Blackwater	*Galium trifidum ssp. trifidum*	GALITRD2	small bedstraw	Yellow	No Status	Herb						1
776	WT-22-417	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						0.5
777	WT-22-632	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
778	WT-22-632	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
779	WT-22-632	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
780	WT-22-632	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
781	WT-22-632	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
782	WT-22-632	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						7
783	WT-22-632	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						35
784	WT-22-632	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						5
785	WT-22-632	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						5
786	WT-22-632	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						3
787	WT-22-632	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						3
788	WT-22-632	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						3
789	WT-22-632	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						3
790	WT-22-632	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						2
791	WT-22-632	Blackwater	*Rubus lasiococcus*	RUBULAS	dwarf bramble	Blue	No Status	Herb						3
792	WT-22-632	Blackwater	*Stellaria longipes ssp. longipes*	STELLOG7	long-stalked starwort	Yellow	No Status	Herb						1
793	WT-22-632	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					3	
794	WT-22-632	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					12	
795	WT-22-632	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					5	
796	WT-22-632	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub		20		12	5	
797	WT-22-632	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
798	WT-22-632	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						
799	WT-22-632	Blackwater	*Taraxacum officinale*	TARAOFF	common dandelion	Exotic	No Status	Herb						0.5
800	WT-22-632	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						3
801	WT-22-636	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
802	WT-22-636	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
803	WT-22-636	Blackwater	*Unknown*	UNKNOWN	Unknown	NA	NA	Moss or Lichen						
804	WT-22-636	Blackwater	*Luzula parviflora ssp. parviflora*	LUZUPAR2	small-flowered wood-rush	Yellow	No Status	Herb						2
805	WT-22-636	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						2
806	WT-22-636	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
807	WT-22-636	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						25
808	WT-22-636	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					10	
809	WT-22-636	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					55	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
763	WT-22-465	0.5		no		no			
764	WT-22-465	0.5		no		no			
765	WT-22-465			no		no			
766	WT-22-465			no		no			
767	WT-22-465			no		no			
768	WT-22-417			no		no			
769	WT-22-417			no		no			Split- add carex limosa (2), carex leptalia (3), carex tenuiflora (2)
770	WT-22-417			no		no			
771	WT-22-417			no		no			
772	WT-22-417			no		no			
773	WT-22-417			no		no			
774	WT-22-417	1		no		no			
775	WT-22-417			no		no			Check ID
776	WT-22-417			no		no			
777	WT-22-632	10		no		no			
778	WT-22-632	35		no		no			
779	WT-22-632	25		no		no			Small Plagiomnium, check ID
780	WT-22-632	5		no		no			
781	WT-22-632	20		no		no			
782	WT-22-632			no		no			
783	WT-22-632			no		no			
784	WT-22-632			no		no			
785	WT-22-632			no		no			
786	WT-22-632			no		no			
787	WT-22-632			no		no			
788	WT-22-632			no		no			
789	WT-22-632			no		no			
790	WT-22-632			no		no			
791	WT-22-632			no		no			Check I’d, 3 leaved Rubus
792	WT-22-632			no		no			
793	WT-22-632			no		no			Smaller leave
794	WT-22-632			no		no			Bigger leaves
795	WT-22-632			no		no			
796	WT-22-632			no		no			
797	WT-22-632	0.5		no		no			
798	WT-22-632			no		no			
799	WT-22-632			no		no			
800	WT-22-632			no		no			
801	WT-22-636	5		no		no			
802	WT-22-636	80		no		no			
803	WT-22-636	5		no		no			Spiral pipe cleaner like one
804	WT-22-636			no		no			
805	WT-22-636			no		no			
806	WT-22-636			no		no			
807	WT-22-636			no		no			
808	WT-22-636			no		no			
809	WT-22-636			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
763	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{cb22ffe2-132d-4e46-9ec4-b6b82a872171}	{385ef22f-7782-4075-b6e3-916db9bced05}
764	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{aa277aae-e2bb-4b58-9c32-97e3f623403b}	{385ef22f-7782-4075-b6e3-916db9bced05}
765	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{20b07f2f-c078-4d8d-857d-011c1569cdc0}	{385ef22f-7782-4075-b6e3-916db9bced05}
766	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{ff59aa1c-5d31-4b03-8f8a-6c69e40a136b}	{385ef22f-7782-4075-b6e3-916db9bced05}
767	WT-22-465	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{251c6592-e46e-4157-b10c-4872c76dc778}	{385ef22f-7782-4075-b6e3-916db9bced05}
768	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-13 7:38	EcoLogic_Consultants	{221aa5f2-5f4a-40c8-83ea-51e1ea6945b4}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
769	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-13 7:42	EcoLogic_Consultants	{1288fef2-ca10-4f46-9b9d-06a504f38b44}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
770	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{bc213477-6d48-47a9-8659-1e045466ee77}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
771	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{0e6ae4db-37bd-49e1-a437-c0fdb24d2d88}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
772	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{92119cb0-198a-45b0-bdf2-655ffd3b2f46}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
773	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{862d30db-bf16-4cf1-8d77-dd4e25bf93bb}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
774	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{0c1f3b6b-bc57-4d7b-a76f-f7e6d0090b96}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
775	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{23cbeab0-dfa1-4b8e-bba5-26e15ee6f963}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
776	WT-22-417	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{00793b27-baf0-4b3d-b368-6d196ae429b0}	{2f60109d-9dd3-4aff-8bee-aa50a6872a92}
777	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a7c295ca-5596-4192-ab4b-2a71ccfec068}	{778902ba-870a-432a-a273-4101365fac30}
778	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{e17ceb25-4f95-46ab-9201-dcca8d5658c8}	{778902ba-870a-432a-a273-4101365fac30}
779	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{98594f84-fc5b-47e7-a633-36e8782ec680}	{778902ba-870a-432a-a273-4101365fac30}
780	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8e7c0dfc-acbf-49ee-9165-9e7f1f6e8042}	{778902ba-870a-432a-a273-4101365fac30}
781	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{3b9275d7-44d0-4c35-91ab-7a88b037c356}	{778902ba-870a-432a-a273-4101365fac30}
782	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{f7bbac5d-ff85-46d9-979d-94191771eb66}	{778902ba-870a-432a-a273-4101365fac30}
783	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{b66dc619-0578-4f38-93d2-20ee4b0dbbf1}	{778902ba-870a-432a-a273-4101365fac30}
784	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{ab66da11-1724-4218-9100-065a1641e49a}	{778902ba-870a-432a-a273-4101365fac30}
785	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{ca67e9f7-d568-426b-ac6e-ed82766c4991}	{778902ba-870a-432a-a273-4101365fac30}
786	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{053970a1-c2e2-4e89-ad5b-43ddb5446937}	{778902ba-870a-432a-a273-4101365fac30}
787	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{5b4e32bd-81b3-4403-b7e3-36d2e67ba151}	{778902ba-870a-432a-a273-4101365fac30}
788	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{31a53ebe-1171-4cc7-b177-1f0daa250ee7}	{778902ba-870a-432a-a273-4101365fac30}
789	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{d526dcb0-6e53-4b05-956a-53e33dd85e07}	{778902ba-870a-432a-a273-4101365fac30}
790	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{df1e76b0-51f9-47a7-ab31-294ac507921e}	{778902ba-870a-432a-a273-4101365fac30}
791	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{290b5a52-e7e4-41bb-aef7-ea943b29c50a}	{778902ba-870a-432a-a273-4101365fac30}
792	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{44021902-814c-44fd-90de-a85e6e37a8d9}	{778902ba-870a-432a-a273-4101365fac30}
793	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{7ed01aaf-55f7-4c82-b0c5-ab5fd723eba6}	{778902ba-870a-432a-a273-4101365fac30}
794	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{10e71844-98c6-4eb7-ab73-d5ec6167545d}	{778902ba-870a-432a-a273-4101365fac30}
795	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{7cdb39d3-9936-4e90-8b27-54684a341d2d}	{778902ba-870a-432a-a273-4101365fac30}
796	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{0425068e-d9dc-41f9-8f43-0ce9a3d1bde9}	{778902ba-870a-432a-a273-4101365fac30}
797	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{d926e655-5b1e-4d7e-a8d8-0e8e60cd6c15}	{778902ba-870a-432a-a273-4101365fac30}
798	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{95ab28ca-29a8-44ba-ae95-0c3078e874df}	{778902ba-870a-432a-a273-4101365fac30}
799	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{0c6def97-8532-4770-ac31-036fe9d139e1}	{778902ba-870a-432a-a273-4101365fac30}
800	WT-22-632	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{434fd628-5986-4f9c-ba4f-09a8d6ac7c48}	{778902ba-870a-432a-a273-4101365fac30}
801	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4f22e4ff-89d9-4043-bc32-1e3819e4b3cc}	{341ce80d-9754-4cbd-904d-a93c74b79044}
802	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a9760a48-45f5-4ec5-98ba-8510baf13799}	{341ce80d-9754-4cbd-904d-a93c74b79044}
803	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c1e1c078-7dac-4fb4-bcf9-3beecc69fef4}	{341ce80d-9754-4cbd-904d-a93c74b79044}
804	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4ad4fda1-5726-4c86-9828-1a3b87c4ced9}	{341ce80d-9754-4cbd-904d-a93c74b79044}
805	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{80a8c523-882c-44eb-831a-d29038a1a65f}	{341ce80d-9754-4cbd-904d-a93c74b79044}
806	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8155e4b0-dd63-488c-bb0b-8f03cfb07b3e}	{341ce80d-9754-4cbd-904d-a93c74b79044}
807	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{b6ba4a92-d12a-447e-89fc-ec4d6d3b4004}	{341ce80d-9754-4cbd-904d-a93c74b79044}
808	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{5ceed4c9-d1c4-4511-b57c-677eff44cc85}	{341ce80d-9754-4cbd-904d-a93c74b79044}
809	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{9de40556-3c37-4bf8-959d-25a29e0b9246}	{341ce80d-9754-4cbd-904d-a93c74b79044}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
810	WT-22-636	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						1
811	WT-22-636	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						3
812	WT-22-636	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
813	WT-22-636	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						2
814	WT-22-636	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						0.5
815	WT-22-636	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
816	WT-22-636	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						1
817	WT-22-636	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
818	WT-22-636	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub					5	
819	WT-22-636	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						2
820	WT-22-636	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
821	WT-22-636	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Herb						3
822	WT-22-636	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						2
823	WT-22-636	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
824	WT-22-636	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
825	WT-22-638	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				12	3	
826	WT-22-638	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					5	
827	WT-22-638	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						12
828	WT-22-638	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						20
829	WT-22-638	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
830	WT-22-638	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						1
831	WT-22-638	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						3
832	WT-22-638	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						3
833	WT-22-638	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						2
834	WT-22-638	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						5
835	WT-22-638	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						1
836	WT-22-638	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						3
837	WT-22-638	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
838	WT-22-638	Blackwater	*Tomentypnum nitens*	TOMENIT		Yellow	No Status	Moss or Lichen						
839	WT-22-638	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
840	WT-22-638	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
841	WT-22-638	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Herb						2
842	WT-22-638	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
843	WT-22-638	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
844	WT-22-638	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
845	WT-22-638	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						2
846	WT-22-638	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						1
847	WT-22-638	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
848	WT-22-638	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
849	WT-22-405	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
850	WT-22-405	Blackwater	*Paludella squarrosa*	PALUSQU		Yellow	No Status	Moss or Lichen						
851	WT-22-405	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
852	WT-22-405	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
853	WT-22-405	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						55
854	WT-22-405	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						10
855	WT-22-405	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						7
856	WT-22-405	Blackwater	*Carex concinna*	CARECOI	low northern sedge	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
810	WT-22-636			no		no			
811	WT-22-636			no		no			
812	WT-22-636			no		no			
813	WT-22-636			no		no			
814	WT-22-636			no		no			
815	WT-22-636			no		no			
816	WT-22-636			no		no			
817	WT-22-636	10		no		no			Check I'd
818	WT-22-636			no		no			
819	WT-22-636			no		no			
820	WT-22-636	1		no		no			
821	WT-22-636			no		no			
822	WT-22-636			no		no			
823	WT-22-636			no		no			
824	WT-22-636			no		no			
825	WT-22-638			no		no			
826	WT-22-638			no		no			
827	WT-22-638			no		no			
828	WT-22-638			no		no			Aquatilis?
829	WT-22-638			no		no			
830	WT-22-638			no		no			
831	WT-22-638			no		no			
832	WT-22-638			no		no			
833	WT-22-638			no		no			
834	WT-22-638			no		no			
835	WT-22-638			no		no			
836	WT-22-638			no		no			
837	WT-22-638	0.5		no		no			
838	WT-22-638	1		no		no			
839	WT-22-638	65		no		no			
840	WT-22-638	15		no		no			
841	WT-22-638			no		no			
842	WT-22-638	10		no		no			
843	WT-22-638	1		no		no			
844	WT-22-638	1		no		no			
845	WT-22-638			no		no			
846	WT-22-638			no		no			
847	WT-22-638	0.5		no		no			
848	WT-22-638	0.5		no		no			
849	WT-22-405	70		no		no			
850	WT-22-405	25		no		no			Pipe cleaner moss
851	WT-22-405	3		no		no			
852	WT-22-405	2		no		no			
853	WT-22-405			no		no			
854	WT-22-405			no		no			
855	WT-22-405			no		no			
856	WT-22-405			no		no			Check ID

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
810	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{45c813e5-eb0b-4cfd-9cf8-7dcb9f872339}	{341ce80d-9754-4cbd-904d-a93c74b79044}
811	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{58f5e478-df19-4125-a233-3bd34be2029c}	{341ce80d-9754-4cbd-904d-a93c74b79044}
812	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{f6fb94c3-68fb-470d-9aef-c6391854125e}	{341ce80d-9754-4cbd-904d-a93c74b79044}
813	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{81749e32-07c2-4cf6-9449-14a1221f4267}	{341ce80d-9754-4cbd-904d-a93c74b79044}
814	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a4e62cc5-a8b4-46a6-95e9-82badd5cb6b5}	{341ce80d-9754-4cbd-904d-a93c74b79044}
815	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{ea971d43-3793-4c13-bf14-9f7fa6e9417d}	{341ce80d-9754-4cbd-904d-a93c74b79044}
816	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{3da787a6-bd3a-458c-8fa5-02a049bff763}	{341ce80d-9754-4cbd-904d-a93c74b79044}
817	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{51787955-e5e2-4b09-aac7-27a8e1ad0c7b}	{341ce80d-9754-4cbd-904d-a93c74b79044}
818	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{d387f5a2-2d81-4608-8cfe-a3c12285d588}	{341ce80d-9754-4cbd-904d-a93c74b79044}
819	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{2f4ab22e-fa0a-48b0-8656-ca791cd89b7a}	{341ce80d-9754-4cbd-904d-a93c74b79044}
820	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{e8fa2e3f-0b3b-4146-b98b-c85b4de12560}	{341ce80d-9754-4cbd-904d-a93c74b79044}
821	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8a32e2fe-74e9-47ea-a79b-5359ab2a8d3f}	{341ce80d-9754-4cbd-904d-a93c74b79044}
822	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{9268ce72-0c68-4fed-86e2-833056fdd281}	{341ce80d-9754-4cbd-904d-a93c74b79044}
823	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a1e9dc11-6a51-4399-8f67-f1fc8b377bdc}	{341ce80d-9754-4cbd-904d-a93c74b79044}
824	WT-22-636	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{2226bf71-5dba-4a00-897b-97efe5e10a74}	{341ce80d-9754-4cbd-904d-a93c74b79044}
825	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{21fa3076-d9c6-4b49-a5eb-f9bae66a5b58}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
826	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{19c20608-8d3d-4c7d-b5e3-db1f099d5c12}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
827	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{7e6e6c7a-1f8a-4037-80eb-7f29af9d009b}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
828	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{dbdc1abc-0cea-4384-a92c-d005c71ffaef}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
829	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4a698e2b-3f65-41a4-8eda-7880a915f506}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
830	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c97f7276-9c1d-4088-9373-4189a403bda4}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
831	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{e88d57bd-a49f-41cc-b946-849d2901eefe}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
832	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{f128cf9d-cec6-4609-84b7-b38ae2588952}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
833	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{31b138b8-f600-4b25-9e0e-2a16e87d0023}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
834	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{1f165de4-1beb-415b-9a6c-a8b5d282a736}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
835	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{4d63785e-04b7-4350-8145-1360281164e8}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
836	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{2c6f7a92-97be-4330-8525-d0fcece999be}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
837	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{9b466e36-290d-4e89-b951-59d56e0b7496}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
838	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{02413dfa-e247-4e4c-b304-d3bf08a82ae0}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
839	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{582d7a85-7b6a-4182-a6fd-e30e80675131}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
840	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{77c25da2-f386-4733-a9ca-d681300ae5c5}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
841	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a63746da-edcc-4aa1-a45a-343eceaa7b59}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
842	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{0771972e-b8a8-44b7-849f-acab240840c3}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
843	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c9b34a89-f1d7-439c-abb2-284df091daae}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
844	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a5a1e3cd-ed23-4ade-b350-b3c2606da623}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
845	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{d301e04b-a843-42bc-90c4-57e8240ef6d9}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
846	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c4763e44-611d-4cb7-8eda-83983d373bac}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
847	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{bf8ac598-d1d2-45a4-9f88-e2946f995b1d}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
848	WT-22-638	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{d96006e1-9111-4941-a949-8d8e216af4a6}	{455b9c32-fbdf-4ec6-befc-a4bb89c9798d}
849	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a4e8e61f-2676-4d44-a4dd-ce738973926b}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
850	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-13 7:43	EcoLogic_Consultants	{71241908-5967-4af5-aa10-e480a066e57d}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
851	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{230db441-fb9b-4bb1-baa1-ef15ee4f80b4}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
852	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{bb50653f-3a81-4e70-9d05-99c8762b3c16}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
853	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{3e56c90e-222c-4815-84a1-7c90449bf51a}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
854	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{f05b93b0-431b-4480-a147-05f5cb92c5af}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
855	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{27483139-4def-4bc6-8078-0ecc35aae2e1}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
856	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{0aee6887-f69c-402b-9b5e-dbe576880e3c}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
857	WT-22-405	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					5	
858	WT-22-405	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
859	WT-22-405	Blackwater	*Linnea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						0.5
860	WT-22-687	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
861	WT-22-687	Blackwater	*Paludella squarrosa*	PALUSQU		Yellow	No Status	Moss or Lichen						
862	WT-22-687	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
863	WT-22-687	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						5
864	WT-22-687	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						3
865	WT-22-687	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						7
866	WT-22-687	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						55
867	WT-22-687	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						
868	WT-22-687	Blackwater	*Luzula parviflora ssp. parviflora*	LUZUPAR2	small-flowered wood-rush	Yellow	No Status	Herb						2
869	WT-22-687	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
870	WT-22-687	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						1
871	WT-22-687	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						2
872	WT-22-687	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						
873	WT-22-687	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						7
874	WT-22-687	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub					3	
875	WT-22-687	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub					2	
876	WT-22-687	Blackwater	*Stellaria longifolia*	STELLON	long-leaved starwort	Yellow	No Status	Herb						1
877	WT-22-373	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
878	WT-22-373	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
879	WT-22-373	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				3	5	
880	WT-22-373	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub				5	8	
881	WT-22-373	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					3	
882	WT-22-373	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					2	
883	WT-22-373	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
884	WT-22-373	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
885	WT-22-373	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						2
886	WT-22-373	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						5
887	WT-22-373	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						3
888	WT-22-373	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						0.5
889	WT-22-373	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						2
890	WT-22-373	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						1
891	WT-22-373	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						5
892	WT-22-373	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						5
893	WT-22-373	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						10
894	WT-22-373	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No status	Herb						12
895	WT-22-373	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						5
896	WT-22-373	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						5
897	WT-22-373	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						5
898	WT-22-373	Blackwater	*Coptidium lapponicum*	COPTLAP	Lapland buttercup	Yellow	No Status	Herb						2
899	WT-22-373	Blackwater	*Unknown*	UNKNOWN	Unknown	NA	NA	Moss or Lichen						
900	WT-22-373	Blackwater	*Calamagrostis species*	CALAMAG	Calamagrostis species	none	none	Herb						3
901	WT-22-373	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
902	WT-22-497	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						20
903	WT-22-497	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						15

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
857	WT-22-405			no		no			
858	WT-22-405			no		no			
859	WT-22-405			no		no			
860	WT-22-687	60		no		no			
861	WT-22-687	25		no		no			Pipe cleaner like moss
862	WT-22-687	15		no		no			
863	WT-22-687			no		no			Single head, big perygnia
864	WT-22-687			no		no			Small very tiny
865	WT-22-687			no		no			
866	WT-22-687			no		no			
867	WT-22-687			no		no			
868	WT-22-687			no		no			
869	WT-22-687			no		no			
870	WT-22-687			no		no			Check id
871	WT-22-687			no		no			
872	WT-22-687			no		no			
873	WT-22-687			no		no			
874	WT-22-687			no		no			
875	WT-22-687			no		no			
876	WT-22-687			no		no			
877	WT-22-373	87		no		no			
878	WT-22-373	3		no		no			
879	WT-22-373			no		no			
880	WT-22-373			no		no			
881	WT-22-373			no		no			
882	WT-22-373			no		no			
883	WT-22-373			no		no			
884	WT-22-373			no		no			
885	WT-22-373			no		no			
886	WT-22-373			no		no			
887	WT-22-373			no		no			
888	WT-22-373			no		no			
889	WT-22-373			no		no			
890	WT-22-373			no		no			
891	WT-22-373			no		no			
892	WT-22-373			no		no			
893	WT-22-373			no		no			
894	WT-22-373			no		no			Cares or rush with three heads and tufted look
895	WT-22-373			no		no			
896	WT-22-373			no		no			
897	WT-22-373			no		no			Has head, pale inflorescence
898	WT-22-373			no		no			
899	WT-22-373	0.5		no		no			Fairy puke
900	WT-22-373			no		no			Grass
901	WT-22-373			no		no			
902	WT-22-497			no		no			
903	WT-22-497			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
857	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{251385f1-a56c-40a1-a850-be847c44efce}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
858	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{a38c0f15-9c5b-41ff-bd76-fd1b1e9f270f}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
859	WT-22-405	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-13 7:45	EcoLogic_Consultants	{98deb943-1898-499c-8d06-dd2c7107b2bc}	{890f618d-ce7d-447b-9ce3-5efad57f96e1}
860	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{95d7bbe0-2fa1-4548-89db-81db49f8dce2}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
861	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-13 7:46	EcoLogic_Consultants	{b3c663df-a123-484b-b8e1-6844e1c340d5}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
862	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{294e4472-a1c8-4dae-8f56-170ae33a17b7}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
863	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{77eb7af3-6263-43e8-9625-13da8ab9a8c0}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
864	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{c96ee150-36cb-4e13-b36d-5450b04a5395}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
865	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8cfd25c9-b0f9-444a-aa2e-a9ffe264c657}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
866	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{2e0dd50b-8510-4d21-baf4-f8f09ca1d21c}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
867	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{709ed0c4-227e-485a-9cde-c69ddba425a8}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
868	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{b022cdde-be0f-4677-ac3f-cd4651430a56}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
869	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8c9dd5db-c081-4fd1-a995-93c751f138c5}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
870	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{db92193f-8977-408e-8735-e16bc4e4158b}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
871	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{79e5ec71-8364-4422-bdb7-8cc9a89ed0ff}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
872	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{43c4223d-2418-41e3-ac67-39dbe0056595}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
873	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-13 7:51	EcoLogic_Consultants	{5484888e-53ed-49a0-8673-2dc0aa8d68e7}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
874	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{23d87d20-66c5-48d1-bf08-7197e580f829}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
875	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{8d7816f3-4cf3-4cda-9c1a-ae58b821dad3}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
876	WT-22-687	2022-07-11 4:36	Field1_ConsultEcoLogic	2022-07-11 4:36	Field1_ConsultEcoLogic	{2bb9e374-2870-4b66-a287-cc001cdb2304}	{a14f2159-9326-4443-80e9-cd91ed74ee44}
877	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{f4109c23-86d9-4cc2-badb-90767d9ea238}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
878	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{4d451c97-b01b-4703-8346-a042964e36ba}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
879	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{eada619a-d6ea-47aa-8049-fe1d7a5aeb5b}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
880	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{61975922-9b43-4437-9060-aa9f5cbcf419}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
881	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{fe160fef-e9aa-4e26-9d3a-cece5f2e87bc}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
882	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:52	EcoLogic_Consultants	{f2d94e8f-5dd2-4dd4-959e-8acc6d32d63e}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
883	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{5cab8957-9a6c-4b62-89c7-3bfe5cf90d8e}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
884	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{afc9e488-2a6c-4c8d-82df-8b9bb3f9aa03}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
885	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{3ed417d0-bf57-443d-a0d9-f6631d0b2ee6}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
886	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{c1fc44a0-3329-44c9-af1e-5af867a0ee3c}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
887	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{2d4c056b-1c41-4fe8-9e84-56ad65bb2a08}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
888	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{b6263190-f8f0-4b6e-b228-8dde5653465c}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
889	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{6a1b9403-0f1a-4e61-ad5f-23767553d01d}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
890	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{0cd64136-c41e-46e1-8a07-81af658db497}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
891	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{976acb63-428e-4e6a-858f-c8d986715917}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
892	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{690d8439-2ace-4d65-9649-554adf45b490}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
893	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:55	EcoLogic_Consultants	{0eba89b6-63a4-44a9-ac67-748fdbdaa1a9}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
894	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:53	EcoLogic_Consultants	{d6e49596-4886-4901-9ab1-5be21777aeb5}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
895	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{21f0dc50-8081-41e9-80d2-9337bacd9550}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
896	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:57	EcoLogic_Consultants	{539176a3-8afa-4c62-a808-fa1140564d4a}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
897	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{cde0d02f-65b6-4e8e-9580-d165ca084bbd}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
898	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:59	EcoLogic_Consultants	{9aef4509-873d-437a-a951-501826b2d556}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
899	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:57	EcoLogic_Consultants	{9b19f76b-e156-48c8-8b57-a7ccef5cd4d2}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
900	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 7:58	EcoLogic_Consultants	{5de3f81a-3ca9-471b-8d6d-422fd9b3d5cb}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
901	WT-22-373	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{dd6c512a-6836-4dee-a263-6208a54507b5}	{4eac1a3b-15d8-4403-b6e2-8d74585ef4cb}
902	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{544807df-fe01-4ae4-a08f-cccccea10f3b}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
903	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{7c25b7cb-7ae5-4749-9286-fc7fd3481c9d}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
904	WT-22-497	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						15
905	WT-22-497	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					3	
906	WT-22-497	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				3	2	
907	WT-22-497	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
908	WT-22-497	Blackwater	*Unknown*	UNKNOWN	Unknown	NA	NA	Moss or Lichen						
909	WT-22-497	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
910	WT-22-497	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Moss or Lichen						
911	WT-22-497	Blackwater	*Polystichum species*	POLYSTI	Polystichum species	none	none	Moss or Lichen						
912	WT-22-497	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						1
913	WT-22-497	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						1
914	WT-22-497	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Herb						3
915	WT-22-497	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						15
916	WT-22-497	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						7
917	WT-22-480	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						10
918	WT-22-480	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						5
919	WT-22-480	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						20
920	WT-22-480	Blackwater	*Carex livida*	CARELIV	pale sedge	Yellow	No Status	Herb						7
921	WT-22-480	Blackwater	*Carex heleonastes*	CAREHEL	Hudson Bay sedge	Yellow	No Status	Herb						5
922	WT-22-480	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						3
923	WT-22-480	Blackwater	*Eriophorum gracile ssp. gracile*	ERIOGRA	slender cotton-grass	Yellow	No Status	Herb						2
924	WT-22-480	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						7
925	WT-22-480	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						3
926	WT-22-480	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					3	
927	WT-22-480	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						1
928	WT-22-480	Blackwater	*Drosera linearis*	DROSLIN	slender-leaf sundew	Blue	No Status	Herb						1
929	WT-22-480	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
930	WT-22-480	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
931	WT-22-481	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Herb						50
932	WT-22-481	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						30
934	WT-22-481	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						30
935	WT-22-481	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						3
936	WT-22-481	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						3
937	WT-22-481	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
938	WT-22-481	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						3
939	WT-22-481	Blackwater	*Unknown*	UNKNOWN	Unknown	NA	NA	Herb						2
940	WT-22-481	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						7
941	WT-22-481	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub						
942	WT-22-481	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					30	
943	WT-22-481	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					40	
944	WT-22-481	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
945	WT-22-332	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				3	2	
946	WT-22-332	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					8	
947	WT-22-332	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						3
948	WT-22-332	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Herb						3
949	WT-22-332	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						5
950	WT-22-332	Blackwater	*Carex livida*	CARELIV	pale sedge	Yellow	No Status	Herb						20
951	WT-22-332	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						5

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
904	WT-22-497			no		no			
905	WT-22-497			no		no			
906	WT-22-497			no		no			Around edge
907	WT-22-497	40		no		no			
908	WT-22-497	35		no		no			Water moss - squarrosum
909	WT-22-497	7		no		no			
910	WT-22-497	5		no		no			
911	WT-22-497	3		no		no			
912	WT-22-497			no		no			
913	WT-22-497			no		no			
914	WT-22-497			no		no			
915	WT-22-497			no		no			Mostly in centre with water, carex with dangly head that's not limosa
916	WT-22-497			no		no			Very young
917	WT-22-480			no		no			
918	WT-22-480			no		no			
919	WT-22-480			no		no			
920	WT-22-480			no		no			
921	WT-22-480			no		no			
922	WT-22-480			no		no			
923	WT-22-480			no		no			
924	WT-22-480			no		no			
925	WT-22-480			no		no			
926	WT-22-480			no		no			
927	WT-22-480			no		no			
928	WT-22-480			no		no			
929	WT-22-480	45		no		no			
930	WT-22-480	35		no		no			
931	WT-22-481			no		no			
932	WT-22-481			no		no			
934	WT-22-481			no		no			
935	WT-22-481			no		no			Small tufted head
936	WT-22-481			no		no			Small trailing carex
937	WT-22-481			no		no			
938	WT-22-481			no		no			
939	WT-22-481			no		no			Grass
940	WT-22-481			no		no			
941	WT-22-481			no		no			
942	WT-22-481			no		no			
943	WT-22-481			no		no			
944	WT-22-481			no		no			
945	WT-22-332			no		no			
946	WT-22-332			no		no			
947	WT-22-332			no		no			
948	WT-22-332			no		no			
949	WT-22-332			no		no			
950	WT-22-332			no		no			
951	WT-22-332			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
904	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:00	EcoLogic_Consultants	{85bd775f-5fc2-48ea-8566-4aa92c726c08}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
905	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{f05a1c4e-4338-40c2-8500-3d5e2a96d0c2}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
906	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{838637ef-67c3-4a19-bae7-76df21c464c3}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
907	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{a2030618-5433-42ab-ab3b-1b4bb2398b91}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
908	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{a9502561-5e28-4756-978d-268e50d585f7}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
909	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{e16c08bf-78a2-4831-a1a7-658e5648b4bf}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
910	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{a1dcd19d-0016-4d0d-be0b-f10123766c5c}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
911	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{432dd29d-41f6-4d71-9eec-1f0f1880686a}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
912	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{ef191a6b-c387-4677-92b8-449c0eea2000}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
913	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{679ae8e0-bf6b-4edf-b6da-ac7f387725eb}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
914	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{25c249cd-5c5a-40ef-adbb-fd3613356848}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
915	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:01	EcoLogic_Consultants	{f600ca61-5cb0-4153-8148-a8509369b0e0}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
916	WT-22-497	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:01	EcoLogic_Consultants	{c2227108-3e58-4011-ad6f-183727c5f264}	{745a4272-1bb0-426f-83a2-0eb3eb5e7960}
917	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{e575c711-0662-415d-830a-54be9501fc8e}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
918	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{ff7a566e-e80c-4760-b63a-dae3b13d1212}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
919	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{af683af6-45fd-4f97-b12d-8649243049e8}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
920	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{7ee28eb7-5254-40db-acdc-ffd5cc06beb5}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
921	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:04	EcoLogic_Consultants	{cd6c8f29-733d-4ce1-ab3f-a463c4b9b420}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
922	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:06	EcoLogic_Consultants	{61dfb8c9-7cf1-4515-a70e-5bfa5fdf43c5}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
923	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:04	EcoLogic_Consultants	{fac61105-f11d-4bde-b4d1-0d20f7835d6e}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
924	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{20294d58-9462-4ae4-b697-0d7313204991}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
925	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{a2bee3c5-1b7f-49bc-a78f-3fc5d3515a23}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
926	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{7fa5fc32-5206-40c6-bde3-0ec1350df3fc}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
927	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{40799471-4d79-48eb-b937-b323bea410ce}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
928	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{143bacf2-16a1-4077-9928-0c89a214a3f4}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
929	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{214df454-0fe1-4578-afff-93b479c6ca32}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
930	WT-22-480	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{8ba51ab5-9f37-407d-ab3a-d0771a92613f}	{ee1255b2-0c2f-49c3-b13a-33d6ab60d5a2}
931	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{7fd1a64d-3641-481b-80c9-82f59d624ce2}	{270c1db5-e802-4434-afee-028a599729d7}
932	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{5151a00f-8155-47de-9abe-d51b94997f44}	{270c1db5-e802-4434-afee-028a599729d7}
934	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{d1b7d54c-4dfe-48f1-a8ee-4dfe74953e2d}	{270c1db5-e802-4434-afee-028a599729d7}
935	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:06	EcoLogic_Consultants	{b3618ebc-2361-4e09-97bb-6caf1b5f173c}	{270c1db5-e802-4434-afee-028a599729d7}
936	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:07	EcoLogic_Consultants	{372d7560-9917-4c34-9cc3-7cf23d74eb0b}	{270c1db5-e802-4434-afee-028a599729d7}
937	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{39725496-d551-4ff8-91b2-f7735ad07a9a}	{270c1db5-e802-4434-afee-028a599729d7}
938	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{9aec7bb9-524d-4231-b893-199f5c5d49ec}	{270c1db5-e802-4434-afee-028a599729d7}
939	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{895d84f5-44e5-4d8a-887d-3a511faaf94a}	{270c1db5-e802-4434-afee-028a599729d7}
940	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{75139036-1caa-4a8d-bae8-30d1cd72d503}	{270c1db5-e802-4434-afee-028a599729d7}
941	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{a2c18a93-1393-4539-b155-3bfa5b89532b}	{270c1db5-e802-4434-afee-028a599729d7}
942	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-13 8:09	EcoLogic_Consultants	{bfacc2b4-3e14-4a85-82c1-b738b9056a90}	{270c1db5-e802-4434-afee-028a599729d7}
943	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{3bd3e1cc-42ab-416f-9256-8060b1c0aed0}	{270c1db5-e802-4434-afee-028a599729d7}
944	WT-22-481	2022-07-12 4:19	Field1_ConsultEcoLogic	2022-07-12 4:19	Field1_ConsultEcoLogic	{b833b464-0d88-454c-b0f4-51dbf3334d4c}	{270c1db5-e802-4434-afee-028a599729d7}
945	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{72fff65f-8ccf-4417-b097-7641900fd928}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
946	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{b7275a5a-b09c-47c9-a91e-1cd98fd36cc0}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
947	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{b778e378-d0a1-4224-87d3-e880022a6f5e}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
948	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{d927d10c-301c-4703-a558-167b5cdfcfd1}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
949	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{6dc93680-6e9d-4c60-a4c5-c6da3491ac6f}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
950	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{16959c27-2d10-4463-800a-0e1c524d23fb}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
951	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{9c7cdf7f-ae12-4c40-adf2-907915ba4157}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
952	WT-22-332	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						3
953	WT-22-332	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						2
954	WT-22-332	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						2
955	WT-22-332	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						3
956	WT-22-332	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						3
957	WT-22-332	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						2
958	WT-22-332	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						1
959	WT-22-332	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
961	WT-22-332	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
962	WT-22-332	Blackwater	*Calamagrostis species*	CALAMAG	Calamagrostis species	none	none	Herb						3
963	Lake 15/16	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	4	8	2	
964	Lake 15/16	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	0	0	0	0	6	
965	Lake 15/16	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0	0	0	0.001	0	
966	Lake 15/16	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
967	Lake 15/16	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	8	
968	Lake 15/16	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						2
969	Lake 15/16	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
970	Lake 15/16	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						0.001
971	Lake 15/16	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.001
972	Lake 15/16	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	25	
973	Lake 15/16	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
974	Lake 15/16	Blackwater	*Kalmia microphylla var. microphylla*	KALMMIC3	alpine bog laurel	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
975	Lake 15/16	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						15
976	Lake 15/16	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.001
977	Lake 15/16	Blackwater	*Linnaea borealis ssp. longiflora*	LINNBOR2	twinflower	Yellow	No Status	Herb						0.001
978	Lake 15/16	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
979	Lake 15/16	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
980	Lake 15/16	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.001
981	WT-22-504	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0	0	0	2	8	
982	WT-22-504	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	12	
983	WT-22-504	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						70
984	WT-22-504	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
985	WT-22-504	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
986	WT-22-504	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
987	WT-22-504	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
988	WT-22-504	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
989	WT-22-504	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.001
990	WT-22-403	Blackwater	*Picea engelmannii*	PICEENG	Engelmann spruce	Yellow	No Status	Tree or Shrub	20	25	5	0	3	
991	WT-22-403	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	0	5	0	5	3	
992	WT-22-403	Blackwater	*Salix scouleriana*	SALISCO	Scouler's willow	Yellow	No Status	Tree or Shrub	0	0	0	3	3	
993	WT-22-403	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	20	
994	WT-22-403	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						5
995	WT-22-403	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	4	
996	WT-22-403	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.001
997	WT-22-403	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
998	WT-22-403	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						30
999	WT-22-403	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						0.001

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
952	WT-22-332			no		no			Spivey head
953	WT-22-332			no		no			Othe tiny carex
954	WT-22-332			no		no			
955	WT-22-332			no		no			
956	WT-22-332			no		no			
957	WT-22-332			no		no			
958	WT-22-332			no		no			
959	WT-22-332	60		no		no			
961	WT-22-332	10		no		no			
962	WT-22-332			no		no			
963	Lake 15/16			no		no			
964	Lake 15/16			no		no			
965	Lake 15/16			no		no			
966	Lake 15/16			no		no			
967	Lake 15/16			no		no			
968	Lake 15/16			no		no			
969	Lake 15/16			no		no			
970	Lake 15/16			no		no			
971	Lake 15/16			no		no			
972	Lake 15/16			no		no			
973	Lake 15/16			no		no			
974	Lake 15/16			no		no			
975	Lake 15/16			no		no			
976	Lake 15/16			no		no			
977	Lake 15/16			no		no			
978	Lake 15/16			no		no			
979	Lake 15/16			no		no			
980	Lake 15/16			no		no			
981	WT-22-504			no		no			
982	WT-22-504			no		no			
983	WT-22-504			no		no			
984	WT-22-504			no		no			
985	WT-22-504			no		no			
986	WT-22-504			no		no			
987	WT-22-504			no		no			
988	WT-22-504			no		no			
989	WT-22-504			no		no			
990	WT-22-403			no		no			
991	WT-22-403			no		no			
992	WT-22-403			no		no			
993	WT-22-403			no		no			
994	WT-22-403			no		no			
995	WT-22-403			no		no			
996	WT-22-403			no		no			
997	WT-22-403			no		no			
998	WT-22-403			no		no			
999	WT-22-403			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
952	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-13 8:14	EcoLogic_Consultants	{ad1f2021-1858-4153-8631-815430df73f2}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
953	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-13 8:13	EcoLogic_Consultants	{28b28264-4c23-4814-afe2-dbcff0072d74}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
954	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{b5b91a92-3828-4644-afb9-68787faec103}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
955	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{7e0a8266-6125-41bf-9ddc-4cae64710a61}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
956	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{6de6575a-a7dc-4bf6-b73e-c57c6e60955e}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
957	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{b526b6a6-6687-4f6d-aa84-20793dc3452d}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
958	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{e1bc114d-8ebd-4c00-88aa-a548e1cc667d}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
959	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{85b72ca9-3388-40e1-905b-2aec38d5f041}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
961	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-12 4:20	Field1_ConsultEcoLogic	{8da8d58d-268e-44dc-8deb-6f6617b2a32b}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
962	WT-22-332	2022-07-12 4:20	Field1_ConsultEcoLogic	2022-07-13 8:20	EcoLogic_Consultants	{d23d84b7-c06d-485a-8d4b-1ae8f93fa8f8}	{7f0177cc-732c-4153-ab3e-eb5b7b2060c3}
963	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{8609605b-ce7c-4256-a989-280c0f1028b3}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
964	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{27e106ef-1189-4b09-8f6f-b3d5f6975748}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
965	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{d3b82e85-e5c6-4109-a1b9-867794ce4dea}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
966	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{f1f2ee53-0c69-4602-a552-0928e963d690}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
967	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{45d6e66a-4408-4811-a466-815b70aba5ae}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
968	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{846aa195-35a4-42d1-8660-b6252696e829}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
969	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{11551c06-9675-4fbe-8dd0-ba1f4bbdcad3}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
970	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{c7ba8a4a-7626-4d1e-922e-c548e1c53aa5}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
971	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{976ac0d8-63e1-4d86-9e7a-2c636fa48823}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
972	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{433cce6c-ab8c-4b02-a691-0163e06f8e29}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
973	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{eff4f140-6cb8-4d7f-a359-1b7ff715ee21}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
974	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{a0d75882-676d-4382-b86f-f63aac9aff84}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
975	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{c46ce27e-34e7-4b2f-b64d-7ab1814a261c}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
976	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{c9b65a86-f48c-4eec-8528-839cf33f1e2e}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
977	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{5dd3039e-1fef-496b-9b4a-85793e0bc1cd}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
978	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{0f714b84-b93a-48ed-b313-65dde598482f}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
979	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{702a232f-9173-4a3d-805b-189955f2e335}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
980	Lake 15/16	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{29f5900a-0f7b-4144-b9c7-7f88ea68e9dd}	{a0e1c109-c95e-48b0-a087-6d79461c818f}
981	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{b5c28023-43b7-4cb5-a0dc-b75c95254c15}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
982	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{fcb321ab-7968-460c-8fd8-aca946865c4f}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
983	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{7ff7e170-7b68-402e-909c-4f8211a10d99}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
984	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{29a3518c-4300-4763-8477-b29eb151e895}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
985	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{ebd9a41f-1be8-4c12-894e-91c29a2371dc}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
986	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{7d309aa2-7a13-42a5-9786-5c47ea662c57}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
987	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{c2ba5287-900e-4da1-8d78-242e212a9b47}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
988	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{705f5415-93cb-46ed-8d49-1e1fc43564ac}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
989	WT-22-504	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{ec1168cb-b32f-4a29-8f06-3762cf336151}	{9d2ea945-c42f-4572-bda9-e3adac922f0c}
990	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{62af57c7-bdc9-4dba-ad06-16fc1ce26cae}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
991	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{bc2539eb-8c7f-4857-8b63-8065fc3e5d80}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
992	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{569d45ba-4669-4d24-8f38-a3110e8d0354}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
993	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{96a18b2a-a1db-4ec6-b22e-7d19c4426e99}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
994	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{778a43e8-8467-4c8f-9bd7-af8d7c903c74}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
995	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{751aa811-74df-40ce-85bd-469e38c2ec23}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
996	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{0e798235-9ddd-4df2-b489-a15e6f840720}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
997	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{f51ad742-8d13-456a-acc3-31f4ed583b1f}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
998	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{5d2c7dfc-f4bb-49e9-9601-e38cc27f09ef}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
999	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{ca45b8bc-0c19-464d-aa67-511e86b093e9}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1000	WT-22-403	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						35
1001	WT-22-403	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						2
1002	WT-22-403	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
1003	WT-22-403	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						0.001
1004	WT-22-403	Blackwater	*Vaccinium scoparium*	VACCSCO	grouseberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1005	WT-22-403	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1006	WT-22-403	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1007	WT-22-403	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.001
1008	WT-22-403	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						0.001
1009	WT-22-403	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.001
1010	WT-22-015	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						75
1011	WT-22-015	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	15	
1012	WT-22-015	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						5
1013	WT-22-015	Blackwater	*Epilobium palustre*	EPILPAL	swamp willowherb	Yellow	No Status	Herb						
1014	WT-22-015	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						0.001
1015	WT-22-015	Blackwater	*Rumex occidentalis*	RUMEOCC	western dock	Yellow	No Status	Herb						0.001
1016	WT-22-015	Blackwater	*Petasites frigidus var. sagittatus*	PETAFRI4	arrow-leaved coltsfoot	Yellow	No Status	Herb						0.001
1017	WT22-467	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	0	25	4	3	6	
1018	WT22-467	Blackwater	*Picea engelmannii*	PICEENG	Engelmann spruce	Yellow	No Status	Tree or Shrub	0	5	4	3	4	
1019	WT22-467	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub	0	0	0	0	3	
1020	WT22-467	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
1021	WT22-467	Blackwater	*Shepherdia canadensis*	SHEPCAN	soopolallie	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1022	WT22-467	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						2
1023	WT22-467	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						30
1024	WT22-467	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						30
1025	WT22-467	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						3
1026	WT22-467	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						0.001
1027	WT22-467	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						1
1028	WT22-467	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						1
1029	WT22-467	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						0.001
1030	WT22-467	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						0.001
1031	WT22-467	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						3
1032	WT22-467	Blackwater	*Osmorhiza berteroi*	OSMOBER	mountain sweet-cicely	Yellow	No Status	Herb						0.001
1033	WT22-467	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.001
1034	WT22-467	Blackwater	*Salix scouleriana*	SALISCO	Scouler's willow	Yellow	No Status	Tree or Shrub				0.001		
1035	WT22-467	Blackwater	*Moneses uniflora*	MONEUNI	single delight	Yellow	No Status	Herb						0.001
1036	WT22-467	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						0.001
1037	WT22-467	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.001
1038	WT22-467	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						0.001
1039	WT22-467	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub					0.001	
1040	WT-22-209	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0	0	0	6	3	
1041	WT-22-209	Blackwater	*Picea engelmannii*	PICEENG	Engelmann spruce	Yellow	No Status	Tree or Shrub	0	0	0	2	1	
1042	WT-22-209	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1043	WT-22-209	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1044	WT-22-209	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						8
1045	WT-22-209	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	0.001	
1046	WT-22-209	Blackwater	*Salix maccalliana*	SALIMAC	MacCalla's willow	Yellow	No Status	Tree or Shrub	0	0	0	0	1	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1000	WT-22-403			no		no			
1001	WT-22-403			no		no			
1002	WT-22-403			no		no			
1003	WT-22-403			no		no			
1004	WT-22-403			no		no			
1005	WT-22-403			no		no			
1006	WT-22-403			no		no			
1007	WT-22-403			no		no			
1008	WT-22-403			no		no			
1009	WT-22-403			no		no			
1010	WT-22-015			no		no			
1011	WT-22-015			no		no			
1012	WT-22-015			no		no			
1013	WT-22-015			no		no			.001
1014	WT-22-015			no		no			
1015	WT-22-015			no		no			
1016	WT-22-015			no		no			
1017	WT22-467			no		no			
1018	WT22-467			no		no			
1019	WT22-467			no		no			
1020	WT22-467			no		no			
1021	WT22-467			no		no			
1022	WT22-467			no		no			
1023	WT22-467			no		no			
1024	WT22-467			no		no			
1025	WT22-467			no		no			
1026	WT22-467			no		no			
1027	WT22-467			no		no			
1028	WT22-467			no		no			
1029	WT22-467			no		no			
1030	WT22-467			no		no			
1031	WT22-467			no		no			
1032	WT22-467			no		no			
1033	WT22-467			no		no			
1034	WT22-467			no		no			
1035	WT22-467			no		no			
1036	WT22-467			no		no			
1037	WT22-467			no		no			
1038	WT22-467			no		no			
1039	WT22-467			no		no			
1040	WT-22-209			no		no			
1041	WT-22-209			no		no			
1042	WT-22-209			no		no			
1043	WT-22-209			no		no			
1044	WT-22-209			no		no			
1045	WT-22-209			no		no			
1046	WT-22-209			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1000	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{80a5a70e-22f2-46e1-9288-630c0d98a5ab}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1001	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{933242d1-1e67-42ae-bfb1-0c72e5c50872}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1002	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{81a32129-b997-4c42-9318-d74a368505ca}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1003	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{1b9f62eb-6187-4362-b10c-fea267861dc2}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1004	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{4e0e2a35-34ec-41f4-abef-ad85adb9631d}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1005	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{3b8b2182-1310-42f9-bbe0-ea5d176e371c}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1006	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{1b0eee9a-7586-40ad-b95d-da9fa8ba86f9}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1007	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{304b3b4a-1aef-47f5-8724-902e39e88cf3}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1008	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{0367d365-395d-4ac7-836f-160e1e7c56b3}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1009	WT-22-403	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{c4fbc39f-5fb0-43ba-9450-167091ee6b56}	{bbc5c1b6-9bdd-470c-ad95-ab49324a38bf}
1010	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{ca22b5c5-d1c0-417c-bfb9-525fe1421d1a}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1011	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{aa909c5b-f780-4caa-b894-ec16819a8778}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1012	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{c36bf762-3f73-4839-8260-34c213971aba}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1013	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{a54bbc9e-b83d-493b-b341-ee7c8d7f52eb}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1014	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{28f7fe41-3c5c-4acc-ae62-1846c7be254f}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1015	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{3f2fcfa1-65e7-4cfa-888b-6f46b284d8b5}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1016	WT-22-015	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{d0e7cd60-4b09-4da5-bc5a-b2c79791fef8}	{b2248296-f8b3-48ac-91db-3737e197e0b2}
1017	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{bc57d4b3-9629-4ec5-af23-33fec506b3a0}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1018	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{a9ea94a3-82c0-4dd1-97f5-441c78bf31f8}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1019	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{814ede99-3f04-4d2c-9c07-138beba5fc77}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1020	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{f23dc3f0-9d67-4e2f-89ca-ba6891cba68a}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1021	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{09d5ff76-5dc2-4ce2-a254-91ebe51dcaae}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1022	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{a3b14e38-754b-44c7-9b4e-704aa0345131}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1023	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{d2b9f923-c7c0-4f81-b9f0-50a413d1391c}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1024	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{85b56505-bca3-400d-8e91-db3081db2b66}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1025	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{343da6b1-e682-4a24-a8d1-b088e2b0379f}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1026	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{d014cc06-5a78-4655-98d7-6127050b386c}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1027	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{16d8ccba-6b9e-4847-82a0-73603ae71a90}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1028	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{4343f2e7-f9dd-4b71-affc-2d6e3144c222}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1029	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{dbdbf1b4-3819-414f-8258-5e54f42d07bd}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1030	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{6783a02d-9b91-42af-a1f3-ca8745882ff5}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1031	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{022f8fff-14d3-4245-9caa-4caff45f9157}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1032	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{0ce02c99-8a44-444d-87b5-88c5748e691e}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1033	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{45bebfe5-2467-4e2c-ab47-4fa6093f67a7}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1034	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{1e2174b9-3359-4a13-b50b-17f804c5c8d4}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1035	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{6c0a3056-e891-48cd-b797-5014d8c47ca5}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1036	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{22481caa-7802-4b94-9e13-cbba732dd955}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1037	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{4c776d12-8e4f-4006-85b2-b788fa25fa38}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1038	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2ead5f36-7234-4e08-8d37-98641b48c913}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1039	WT22-467	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{790e0a45-2bdc-4d45-8bc0-9151e4b5378d}	{e259aabb-bcae-458a-b696-dae7086ba8af}
1040	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{210f3335-3eb7-4455-98b7-39224f642db7}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1041	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2d70aee8-2fd9-460c-bece-49ffc0abc169}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1042	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{b10b9868-7033-4ceb-95a1-a6b6cea799e5}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1043	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{61f60005-82f5-4b6b-b1de-ed04720fb73c}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1044	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{118f159d-a35b-4d4e-8094-67d8f89e2826}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1045	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{74541aa7-91aa-4c30-bd50-9b1bfac5b345}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1046	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{24728c7e-b7a5-4ae1-92db-d6191dcf0b0f}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1047	WT-22-209	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
1048	WT-22-209	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						4
1049	WT-22-209	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						0.001
1050	WT-22-209	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	50	
1052	WT-22-209	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub	0	0	0	0	12	
1053	WT-22-209	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						60
1054	WT-22-209	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub	0	0	0	0	1	
1055	WT-22-209	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						0.001
1056	WT-22-209	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						0.001
1057	WT-22-209	Blackwater	*Stellaria longipes ssp. longipes*	STELLOG7	long-stalked starwort	Yellow	No Status	Herb						0.001
1058	WT-22-209	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						0.001
1059	WT-22-209	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.001
1060	WT-22-209	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1061	WT-22-570	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub	0	0	0	0	10	
1062	WT-22-570	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						
1063	WT-22-570	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						30
1064	WT-22-570	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						10
1065	WT-22-570	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						0.001
1066	WT-22-570	Blackwater	*Eriophorum scheuchzeri*	ERIOSCH	Scheuchzer's cotton-grass	Yellow	No Status	Herb						0.001
1067	WT-22-570	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.001
1068	WT-22-570	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						1
1069	WT-22-570	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.001
1070	WT-22-570	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.001
1071	WT-22-570	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1072	WT-22-570	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.001
1073	WT-22-011	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						70
1074	WT-22-011	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						10
1075	WT-22-011	Blackwater	*Platanthera dilatata var. albiflora*	PLATDIL1	fragrant white rein orchid	Yellow	No Status	Herb						0.1
1076	WT-22-011	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub					10	
1077	WT-22-011	Blackwater	*Salix glauca var. acutifolia*	SALIGLA1	grey-leaved willow	Yellow	No Status	Tree or Shrub					15	
1078	WT-22-011	Blackwater	*Salix maccalliana*	SALIMAC	MacCalla's willow	Yellow	No Status	Tree or Shrub					15	
1079	WT-22-011	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						0.1
1080	WT-22-011	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Herb						3
1081	WT-22-011	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						0.1
1082	WT-22-011	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub				10		
1083	WT-22-011	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					15	
1084	WT-22-011	Blackwater	*Geum rivale*	GEUMRIV	water avens	Yellow	No Status	Herb						0.1
1085	WT-22-011	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1086	WT-22-011	Blackwater	*Peltigera canina*	PELTCAN	felt pelt	Yellow	No Status	Moss or Lichen						
1087	WT-22-011	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1088	WT-22-011	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.1
1090	WT-22-003	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						10
1091	WT-22-003	Blackwater	*Carex rostrata*	CAREROT	swollen beaked sedge	Yellow	No Status	Herb						15
1092	WT-22-003	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						15
1093	WT-22-003	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Herb						3
1094	WT-22-003	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						0.1
1095	WT-22-003	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub				60		

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1047	WT-22-209			no		no			
1048	WT-22-209			no		no			
1049	WT-22-209			no		no			
1050	WT-22-209			no		no			
1052	WT-22-209			no		no			
1053	WT-22-209			no		no			
1054	WT-22-209			no		no			
1055	WT-22-209			no		no			
1056	WT-22-209			no		no			
1057	WT-22-209			no		no			
1058	WT-22-209			no		no			
1059	WT-22-209			no		no			
1060	WT-22-209	90		no		no			
1061	WT-22-570			no		no			
1062	WT-22-570			no		no			95
1063	WT-22-570			no		no			
1064	WT-22-570			no		no			
1065	WT-22-570			no		no			
1066	WT-22-570			no		no			
1067	WT-22-570			no		no			
1068	WT-22-570			no		no			
1069	WT-22-570			no		no			
1070	WT-22-570			no		no			
1071	WT-22-570			no		no			
1072	WT-22-570			no		no			
1073	WT-22-011			no		no			
1074	WT-22-011			no		no			
1075	WT-22-011			no		no			
1076	WT-22-011			no		no			
1077	WT-22-011			no		no			
1078	WT-22-011			no		no			
1079	WT-22-011			no		no			
1080	WT-22-011			no		no			
1081	WT-22-011			no		no			
1082	WT-22-011			no		no			
1083	WT-22-011			no		no			
1084	WT-22-011			no		no			
1085	WT-22-011	10		no		no			
1086	WT-22-011	0.1		no		no			
1087	WT-22-011	10		no		no			
1088	WT-22-011			no		no			
1090	WT-22-003			no		no			
1091	WT-22-003			no		no			
1092	WT-22-003			no		no			
1093	WT-22-003			no		no			
1094	WT-22-003			no		no			
1095	WT-22-003			no		no			Over 2m tall shrubs. Catkins before leaves. Leaves not hairy.

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1047	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{ba2d302c-1c82-4d17-a364-8a2b81699ed9}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1048	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{66e626e7-caf2-473b-819b-993cbd3afcdd}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1049	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{98bbd6ef-da2a-4c15-aad9-90407f504a6f}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1050	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{7d8102b6-a67a-4a89-9322-a8f6e1996fd7}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1052	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{6f709e1a-509a-4314-b989-9cdc2436eb5d}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1053	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2dba703a-7223-40bb-b364-7bd4e1a2cd6c}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1054	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{60f05b70-c3ce-4959-a742-5cd9d53d1a0a}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1055	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{bec12578-25e2-4f2b-8375-42d467f5dc75}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1056	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{863eb449-2b82-4c18-834f-52f3be9600f8}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1057	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{06cf6bd9-f32c-41a9-ab1f-fb8a7ae3ee79}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1058	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2dbdb8be-3c59-4579-afc0-8f8a160bb4ed}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1059	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2fbbe581-5eff-4ecc-8db7-aa13eb60c7a0}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1060	WT-22-209	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2fa49a11-75d5-48e2-be37-749787dec201}	{f08d243f-5412-4c4a-9c28-2b5381ddd5b8}
1061	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{e379d102-d774-41a0-9229-55cf08f26f1b}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1062	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{76021076-5cc1-402e-83b4-3d1c827091a7}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1063	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{3b9f0df8-bd9c-4256-b243-1bb24e46eb6c}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1064	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{4e05321b-e6d9-467b-a05f-1f3e32a2e824}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1065	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{013f9c7a-a089-485e-9ee4-6bb2e1ff10b6}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1066	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2cb34127-5a1e-4cdb-b6ed-b80b780a463a}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1067	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{382c8914-1d38-4e86-b76b-5fd1b4c17760}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1068	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{cf29a955-60e1-4720-bfe6-98befea6ae52}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1069	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{2aab63dc-d9f7-4830-b335-5bff1d73864a}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1070	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{f7e98e91-22ed-4114-a3b8-aef803ec41f1}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1071	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{db8fea98-96f5-4647-bd3a-692585f9a7bc}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1072	WT-22-570	2022-07-13 23:15	EcoLogic_Consultants	2022-07-13 23:15	EcoLogic_Consultants	{655d804f-0885-44a5-9f19-205d4008fa81}	{cc430156-2427-43d9-ba30-f4bffd494b60}
1073	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{b844bbaa-db24-472c-bf3b-3ac0db4490d3}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1074	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{f68a1569-1c1e-40bf-92fb-5268bd41cab5}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1075	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{8229d568-3fb8-4f0d-bf06-19a4cb5e06cc}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1076	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{2abbf53f-ad46-4567-93ff-2d513c8f4640}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1077	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{88da6790-4614-4ddb-b8df-c51d3f6ebd18}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1078	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{c880acf4-ddf4-4d55-ac8b-f22d38922468}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1079	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{7677715e-92e9-442e-985d-46e91bce8c56}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1080	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{dfca0f84-8d7d-4afb-945d-875fe4353576}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1081	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{ade17cd5-2fc9-4a38-89f7-09aa90652e60}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1082	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{2db2a838-e14c-4b7d-adde-a1cca3bc1049}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1083	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{0da3e488-36a4-40b1-ad68-5615c858b91f}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1084	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{48fb6db5-8ac7-4a17-889c-39d56039b894}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1085	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{0cd60474-1366-47de-bf9c-802bbfad5430}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1086	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{da5bc773-f9b0-4f0d-bf4d-eb9a7516a9b9}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1087	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{f6dee70b-010c-44b6-88d1-f24adbbeca21}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1088	WT-22-011	2022-07-27 2:40	Field1_ConsultEcoLogic	2022-07-27 2:40	Field1_ConsultEcoLogic	{f015cb8e-4be9-4463-ba35-b9fbd910d6cb}	{90eb787f-3d69-442c-a122-9f977257c9c2}
1090	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{fd163fe1-35c1-40fe-b508-2db72af802b0}	{26f32d13-28de-4658-a2bf-791488b2d375}
1091	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{a111b644-7a80-487a-9ee1-1c6796237d98}	{26f32d13-28de-4658-a2bf-791488b2d375}
1092	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{63f4e32f-95de-49ef-89dc-b941fbe23381}	{26f32d13-28de-4658-a2bf-791488b2d375}
1093	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{12bb4555-9cdf-4d47-8886-c8c7331662b3}	{26f32d13-28de-4658-a2bf-791488b2d375}
1094	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{82793fa6-aadf-4ecc-972d-23fb9d4caff7}	{26f32d13-28de-4658-a2bf-791488b2d375}
1095	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{cfff210f-a65b-4729-931a-6c2d1eebe4d0}	{26f32d13-28de-4658-a2bf-791488b2d375}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1096	WT-22-003	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1097	WT-22-003	Blackwater	*Barbilophozia species*	BARBILO	Barbilophozia species	none	none	Moss or Lichen						
1098	WT-22-003	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						0.1
1099	Wt-22-236	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		15	5	2		
1100	Wt-22-236	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		3	3	1		
1101	Wt-22-236	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						1
1102	Wt-22-236	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						7
1103	Wt-22-236	Blackwater	*Vicia americana*	VICIAME	American vetch	Yellow	No Status	Herb						0.1
1104	Wt-22-236	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub				3		
1105	Wt-22-236	Blackwater	*Salix discolor*	SALIDIS	pussy willow	Yellow	No Status	Tree or Shrub			1			
1106	Wt-22-236	Blackwater	*Shepherdia canadensis*	SHEPCAN	soopolallie	Yellow	No Status	Herb						0.1
1107	Wt-22-236	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						0.1
1108	Wt-22-236	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						0.1
1109	Wt-22-236	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						3
1110	Wt-22-236	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Herb						0.1
1111	Wt-22-236	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1112	Wt-22-236	Blackwater	*Peltigera scabrosa*	PELTSCA	greater toad pelt	Yellow	No Status	Moss or Lichen						
1113	Wt-22-236	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						3
1114	Wt-22-236	Blackwater	*Achillea borealis*		woolly yarrow	Yellow	No Status	Herb						1
1115	Wt-22-236	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1116	Wt-22-236	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						0.1
1117	Wt-22-236	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1118	Wt-22-236	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
1119	Wt-22-236	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1120	Wt-22-236	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1121	Wt-22-236	Blackwater	*Symphyotrichum ciliolatum*	SYMPCII	Lindley's aster	Yellow	No Status	Herb						4
1122	Wt-22-236	Blackwater	*Arnica angustifolia ssp. angustifolia*	ARNIANG1	narrow-leaf arnica	Yellow	No Status	Herb						0.1
1123	WT-22-652	Blackwater	*Arnica chamissonis*	ARNICHA	meadow arnica	Yellow	No Status	Herb						10
1124	WT-22-652	Blackwater	*Salix bebbiana*	SALIBEB	Bebb's willow	Yellow	No Status	Tree or Shrub					25	
1125	WT-22-652	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						40
1126	WT-22-652	Blackwater	*Carex chordorrhiza*	CARECHO	cordroot sedge	Yellow	No Status	Herb						5
1127	WT-22-652	Blackwater	*Erythranthe guttata*	ERYTGUT	yellow monkey-flower	Yellow	No Status	Herb						3
1128	WT-22-652	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						5
1129	WT-22-652	Blackwater	*Eriophorum scheuchzeri*	ERIOSCH	Scheuchzer's cotton-grass	Yellow	No Status	Herb						5
1130	WT-22-652	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					5	
1131	WT-22-652	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						1
1132	WT-22-652	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					5	
1133	WT-22-652	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.1
1134	WT-22-652	Blackwater	*Luzula parviflora ssp. parviflora*	LUZUPAR2	small-flowered wood-rush	Yellow	No Status	Herb						1
1135	WT-22-652	Blackwater	*Stellaria longipes ssp. longipes*	STELLOG7	long-stalked starwort	Yellow	No Status	Herb						0.1
1136	WT-22-652	Blackwater	*Paludella squarrosa*	PALUSQU		Yellow	No Status	Moss or Lichen						
1137	WT-22-652	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1138	WT-22-652	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1139	WT-22-652	Blackwater	*Calamagrostis species*	CALAMAG	Calamagrostis species	none	none	Herb						0.1
1140	WT-22-652	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					5	
1141	WT-22-652	Blackwater	*Triglochin maritima*	TRIGMAR	seaside arrow-grass	Yellow	No Status	Herb						0.1
1142	WT-22-652	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						5

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1096	WT-22-003	1		no		no			
1097	WT-22-003			no		no			1
1098	WT-22-003			no		no			
1099	Wt-22-236			no		no			
1100	Wt-22-236			no		no			
1101	Wt-22-236			no		no			
1102	Wt-22-236			no		no			
1103	Wt-22-236			no		no			
1104	Wt-22-236			no		no			
1105	Wt-22-236			no		no			
1106	Wt-22-236			no		no			
1107	Wt-22-236			no		no			
1108	Wt-22-236			no		no			
1109	Wt-22-236			no		no			
1110	Wt-22-236			no		no			
1111	Wt-22-236			no		no			
1112	Wt-22-236	0.1		no		no			
1113	Wt-22-236			no		no			
1114	Wt-22-236			no		no			
1115	Wt-22-236			no		no			
1116	Wt-22-236			no		no			
1117	Wt-22-236			no		no			30
1118	Wt-22-236			no		no			25
1119	Wt-22-236	10		no		no			
1120	Wt-22-236	5		no		no			
1121	Wt-22-236			no		no			
1122	Wt-22-236			no		no			
1123	WT-22-652			no		no			
1124	WT-22-652			no		no			
1125	WT-22-652			no		no			
1126	WT-22-652			no		no			
1127	WT-22-652			no		no			
1128	WT-22-652			no		no			
1129	WT-22-652			no		no			
1130	WT-22-652			no		no			
1131	WT-22-652			no		no			
1132	WT-22-652			no		no			
1133	WT-22-652			no		no			
1134	WT-22-652			no		no			
1135	WT-22-652			no		no			
1136	WT-22-652	65		no		no			
1137	WT-22-652	30		no		no			
1138	WT-22-652	15		no		no			
1139	WT-22-652			no		no			
1140	WT-22-652			no		no			
1141	WT-22-652			no		no			
1142	WT-22-652			no		no			Sample collected add in later

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1096	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{86d081fc-f000-4f30-8b36-a97b2c524669}	{26f32d13-28de-4658-a2bf-791488b2d375}
1097	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{75ed4391-c9d3-432e-aa68-8afc677e66c0}	{26f32d13-28de-4658-a2bf-791488b2d375}
1098	WT-22-003	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{22e147ab-b550-421f-9ad8-ed5e49a2c894}	{26f32d13-28de-4658-a2bf-791488b2d375}
1099	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{5213cc2b-3222-4b65-988e-687afb2e9cde}	{329393cb-ed20-4845-839a-af494947520a}
1100	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{f1bf6551-3280-4ae8-b53f-77c2049810a6}	{329393cb-ed20-4845-839a-af494947520a}
1101	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{e8f909f7-2a77-4287-80ef-a09c979df00f}	{329393cb-ed20-4845-839a-af494947520a}
1102	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{d468b035-140b-42a4-9f31-3f3d54916735}	{329393cb-ed20-4845-839a-af494947520a}
1103	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{76db9330-ec15-44e4-8186-e52bd6555b4a}	{329393cb-ed20-4845-839a-af494947520a}
1104	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{855f0dd4-0f1a-4452-b139-c72aa29fc7a8}	{329393cb-ed20-4845-839a-af494947520a}
1105	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{d73aa962-4d65-4c1b-888a-038008ec5bcb}	{329393cb-ed20-4845-839a-af494947520a}
1106	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{41d58f13-a7cc-4fa8-ab55-939ab1f3f53e}	{329393cb-ed20-4845-839a-af494947520a}
1107	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{8cf96e60-bf87-4a53-8f14-d853439b6fde}	{329393cb-ed20-4845-839a-af494947520a}
1108	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{ce1e56db-458d-4e77-88d2-f4b06e700fe2}	{329393cb-ed20-4845-839a-af494947520a}
1109	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{59c59722-a344-45e4-9313-6da3511f1899}	{329393cb-ed20-4845-839a-af494947520a}
1110	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{535b1302-76a0-413d-86fd-35bdc7b9ef6c}	{329393cb-ed20-4845-839a-af494947520a}
1111	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{846e3837-7a80-4367-9d82-7ff8c3d9a8ea}	{329393cb-ed20-4845-839a-af494947520a}
1112	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{48f59033-91e7-401a-b3ce-c7df29dce10f}	{329393cb-ed20-4845-839a-af494947520a}
1113	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{07cb11a1-b387-46e8-9f83-25dcc6802d89}	{329393cb-ed20-4845-839a-af494947520a}
1114	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{43794117-faaf-4d5f-a1ea-214b318d84e6}	{329393cb-ed20-4845-839a-af494947520a}
1115	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{dc8cae85-0815-481d-8537-abfcb9dd1ef2}	{329393cb-ed20-4845-839a-af494947520a}
1116	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{a15a61da-1ce4-4379-bfc8-55a890e81ab0}	{329393cb-ed20-4845-839a-af494947520a}
1117	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{713f046b-e81e-4cbf-96d2-676ab7279154}	{329393cb-ed20-4845-839a-af494947520a}
1118	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{92e34f76-f0b9-417f-ab43-ae145f565e72}	{329393cb-ed20-4845-839a-af494947520a}
1119	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{4b8ad869-738e-4f73-8156-6444aa7078a0}	{329393cb-ed20-4845-839a-af494947520a}
1120	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{c2e3d468-3c2b-44c7-8bc3-1753ebfa7c2e}	{329393cb-ed20-4845-839a-af494947520a}
1121	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{23c4bbbd-1be4-4229-946d-909e50edda46}	{329393cb-ed20-4845-839a-af494947520a}
1122	Wt-22-236	2022-07-27 14:10	Field1_ConsultEcoLogic	2022-07-27 14:10	Field1_ConsultEcoLogic	{3d91089d-4a92-44ba-8de1-95b7d772446f}	{329393cb-ed20-4845-839a-af494947520a}
1123	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{71239ab3-f9cb-4b66-aa84-94effac69578}	{d6309029-e639-486e-8a19-dce4f2108d49}
1124	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{39b453b8-3f1b-48a2-bb86-b768dee0c5fe}	{d6309029-e639-486e-8a19-dce4f2108d49}
1125	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{47dcef3b-22d2-4731-8df7-80e9055a000b}	{d6309029-e639-486e-8a19-dce4f2108d49}
1126	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{2a22c218-3a96-44eb-9955-18c915cd40c0}	{d6309029-e639-486e-8a19-dce4f2108d49}
1127	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{86c3d5e9-2052-44a1-b93c-e6291b99fcd9}	{d6309029-e639-486e-8a19-dce4f2108d49}
1128	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{05723e8b-d3a9-471c-bcd9-65ed02d92b05}	{d6309029-e639-486e-8a19-dce4f2108d49}
1129	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{ce35894d-1c3e-40fc-80aa-c9255ae1d3d3}	{d6309029-e639-486e-8a19-dce4f2108d49}
1130	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{31c29e28-56c7-4591-8b1d-2e3099d2ddc9}	{d6309029-e639-486e-8a19-dce4f2108d49}
1131	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{95e187bb-9d04-409e-a667-e15736f40299}	{d6309029-e639-486e-8a19-dce4f2108d49}
1132	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{f7fb5366-fe70-48c4-8b69-a83478aee122}	{d6309029-e639-486e-8a19-dce4f2108d49}
1133	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{85ad7767-7b5e-4a69-ad0d-8eeab220604d}	{d6309029-e639-486e-8a19-dce4f2108d49}
1134	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{7525832d-a1db-4fab-9384-99cf966f1382}	{d6309029-e639-486e-8a19-dce4f2108d49}
1135	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{53241603-f853-4b05-b129-e83f957f2aba}	{d6309029-e639-486e-8a19-dce4f2108d49}
1136	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{e68f3a69-614e-46b2-952f-849150767b28}	{d6309029-e639-486e-8a19-dce4f2108d49}
1137	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{bd214bfe-0845-476c-86d0-ec6682981d02}	{d6309029-e639-486e-8a19-dce4f2108d49}
1138	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{29d8a8ad-b1b6-4716-bfa2-8d660d2d39b9}	{d6309029-e639-486e-8a19-dce4f2108d49}
1139	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{fac0f640-d9ed-4725-a068-d7bba3e03ec1}	{d6309029-e639-486e-8a19-dce4f2108d49}
1140	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{a1268f23-47a4-406a-b2bb-57f6b432a797}	{d6309029-e639-486e-8a19-dce4f2108d49}
1141	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{b061b739-99ce-4abe-9700-e050678f45ef}	{d6309029-e639-486e-8a19-dce4f2108d49}
1142	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{864d92ed-68d2-4854-a434-8dfde9fd57ca}	{d6309029-e639-486e-8a19-dce4f2108d49}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1143	WT-22-652	Blackwater						Moss or Lichen						
1145	WT-22-656	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		35	15	5		
1146	WT-22-656	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub		20	10			
1147	WT-22-656	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					15	
1148	WT-22-656	Blackwater	*Vaccinium parvifolium*	VACCPAR	red huckleberry	Yellow	No Status	Tree or Shrub					1	
1149	WT-22-656	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						75
1150	WT-22-656	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						10
1151	WT-22-656	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						5
1152	WT-22-656	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					5	
1153	WT-22-656	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						
1154	WT-22-656	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						15
1155	WT-22-656	Blackwater	*Peltigera canina*	PELTCAN	felt pelt	Yellow	No Status	Moss or Lichen						
1156	WT-22-656	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1157	WT-22-656	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1158	WT-22-656	Blackwater	*Plagiomnium medium*	PLAGMED		Yellow	No Status	Moss or Lichen						
1159	WT-22-656	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.1
1160	WT-22-656	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						0.1
1161	WT-22-656	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
1162	WT-22-656	Blackwater	*Neottia borealis*	NEOTBOR	northern twayblade	Yellow	No Status	Herb						0.1
1163	WT-22-656	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						0.1
1164	WT-22-656	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub				5	5	
1165	WT-22-656	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub				5	35	
1166	WT-22-656	Blackwater	*Anemonastrum richardsonii*	ANEMRIC	yellow anemone	Yellow	No Status	Herb						0.1
1167	WT-22-656	Blackwater	*Luzula parviflora ssp. parviflora*	LUZUPAR2	small-flowered wood-rush	Yellow	No Status	Herb						0.1
1168	WT-22-656	Blackwater	*Epilobium anagallidifolium*	EPILANA	alpine willowherb	Yellow	No Status	Herb						0.1
1170	WT-22-003	Blackwater	*Salix candida*	SALICAN	sage willow	Yellow	No Status	Tree or Shrub				60		
1171	WT-22-390a	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub		1	7	7		
1172	WT-22-390a	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub			0.1	0.1		
1173	WT-22-390a	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					7	
1174	WT-22-390a	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					7	
1175	WT-22-390a	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					35	
1176	WT-22-390a	Blackwater	*Kalmia microphylla var. occidentalis*	KALMMIC4	western bog-laurel	Yellow	No Status	Herb						0.1
1177	WT-22-390a	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
1178	WT-22-390a	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					0.1	
1179	WT-22-390a	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						0.1
1180	WT-22-390a	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						0.1
1181	WT-22-390a	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1182	WT-22-390a	Blackwater	*Pleurozium species*	PLEUROZ	Pleurozium species	none	none	Moss or Lichen						
1183	WT-22-390a	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
1184	WT-22-390a	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
1185	WT-22-390a	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
1186	WT-22-390a	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1187	WT-22-390a	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1188	WT-22-390a	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub					0.1	
1189	WT-22-660	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1190	WT-22-660	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1191	WT-22-660	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1143	WT-22-652			no		no			
1145	WT-22-656			no		no			
1146	WT-22-656			no		no			
1147	WT-22-656			no		no			
1148	WT-22-656			no		no			
1149	WT-22-656			no		no			
1150	WT-22-656			no		no			
1151	WT-22-656			no		no			
1152	WT-22-656			no		no			
1153	WT-22-656			no		no			1
1154	WT-22-656			no		no			
1155	WT-22-656	1		no		no			
1156	WT-22-656	45		no		no			
1157	WT-22-656	10		no		no			
1158	WT-22-656	5		no		no			
1159	WT-22-656			no		no			
1160	WT-22-656			no		no			
1161	WT-22-656	0.1		no		no			
1162	WT-22-656			no		no			
1163	WT-22-656			no		no			
1164	WT-22-656			no		no			
1165	WT-22-656			no		no			
1166	WT-22-656			no		no			
1167	WT-22-656			no		no			
1168	WT-22-656			no		no			
1170	WT-22-003			no		no			Replace Salix spp. ID was confirmed.
1171	WT-22-390a			no		no			
1172	WT-22-390a			no		no			
1173	WT-22-390a			no		no			
1174	WT-22-390a			no		no			
1175	WT-22-390a			no		no			
1176	WT-22-390a			no		no			
1177	WT-22-390a			no		no			
1178	WT-22-390a			no		no			
1179	WT-22-390a			no		no			
1180	WT-22-390a			no		no			
1181	WT-22-390a	10		no		no			
1182	WT-22-390a	1		no		no			
1183	WT-22-390a	0.1		no		no			
1184	WT-22-390a	0.1		no		no			
1185	WT-22-390a	0.1		no		no			
1186	WT-22-390a	0.1		no		no			
1187	WT-22-390a			no		no			
1188	WT-22-390a			no		no			
1189	WT-22-660			no		no			
1190	WT-22-660			no		no			
1191	WT-22-660			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1143	WT-22-652	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{329b81ac-df33-4856-8383-aac584468159}	{d6309029-e639-486e-8a19-dce4f2108d49}
1145	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{f96f3698-faa0-4ed5-b270-d3fc1662db7d}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1146	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{ce973818-0bd1-4b01-8c9b-bb20c1695343}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1147	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{a32e6575-90a7-4a33-af08-1adf59b05790}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1148	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{4377e22d-70f6-4083-9ce5-78d3d9345364}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1149	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{d26db4c6-58a8-46d7-8fea-2d96c246be93}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1150	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{b1d09c8f-3a80-4676-9b17-4ea3eed3b5c0}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1151	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{e5f9ac8e-1382-4ae3-9fdf-7fbb4343f74c}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1152	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{d2839e9d-63b6-48a8-a870-14477c4006e2}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1153	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{b89b66ed-b312-4c19-9708-45c992e7911f}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1154	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{5b80630f-b02c-4ba3-b8ed-1c4fd5132d81}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1155	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{ad9daf65-eb01-4201-a256-4adc4b223113}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1156	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{b7ffb9e0-e2bc-4460-a55a-174d0c63f7c4}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1157	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{4633bbf5-ecce-470d-aa02-473aa74d2219}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1158	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{6bea9707-4920-4ed5-b49d-fc53d9b8efd6}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1159	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{68348422-7c83-4a3b-ae4a-5e9b942d228c}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1160	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{f0e238f2-d68a-4cee-a099-6d29e24626fd}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1161	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{0f394025-f292-4fdf-92db-eaed35aa6b31}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1162	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{14284f3f-194f-440b-aa1b-c5bcbc722a7a}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1163	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{71b511eb-f5eb-4222-be81-f25de82fd434}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1164	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{04530922-7c1a-48e1-a8b7-6953389d3da7}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1165	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{64e23dc7-a0cf-4d06-affe-bb9b275c7a06}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1166	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{334982fb-26ec-4ffd-bb9c-f029b38ae8be}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1167	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{8d5e3068-301a-4a99-8fa9-378fb1f396d3}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1168	WT-22-656	2022-07-28 1:25	Field1_ConsultEcoLogic	2022-07-28 1:25	Field1_ConsultEcoLogic	{8a035087-ecfa-4fdf-aac7-1b1efa6c813e}	{34f8edf4-aaa0-47c2-b274-5f3b5190f8c4}
1170	WT-22-003	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{332a3dd3-2bc0-452a-af2d-3abac8327228}	{26f32d13-28de-4658-a2bf-791488b2d375}
1171	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ab79a453-ff54-481d-9e40-15463572d57b}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1172	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{b36ddb71-01d0-45e8-b299-4ce0d3a456d9}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1173	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{55cfc4b8-1f46-478e-baa0-bfe0abec8a07}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1174	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{1b475f09-5ce7-4928-9f13-b958e0d112a1}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1175	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{e2f2ad69-4c44-4660-890b-ca1e055c4426}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1176	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{1a8db16a-6148-43bc-b417-c4e522c50b4d}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1177	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{46073668-dcc2-4068-af49-8c68c820a71e}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1178	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{cd0a30e0-8e29-41b0-ab23-7b418b1a191c}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1179	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{4a61c5fb-0108-4a89-8f8f-afb930c0b293}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1180	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{c114fd13-bd6e-4fe8-9178-a450cf63a7b2}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1181	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{d4c9ca64-80fd-479b-9221-46f8d6e75d75}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1182	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ee13c5b7-ff61-493c-821a-3acd7b9ae793}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1183	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{083e50c0-acff-4084-944b-76ea7a169db6}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1184	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{e8463dc8-c767-4d0c-b2c6-87c5fd9b2165}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1185	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9b1992f5-4c92-41dd-9748-4ba783a95692}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1186	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a1b7732c-1ff7-43c1-8e01-8319d3c786f5}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1187	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{cd0cb343-3543-457a-b8c7-36a9e986c5f4}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1188	WT-22-390a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{df094d75-6b5a-4279-8273-33dd30987811}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1189	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{3550e06a-e021-4434-8ccd-dabb1b92389b}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1190	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{dae24b7e-310a-4119-a82b-5f5577d10ac9}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1191	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9a69ce20-de56-4b2e-b27d-e669175c4184}	{af10f2e8-cd60-4141-a1c2-3ad959680263}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1192	WT-22-660	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub						
1193	WT-22-660	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						
1194	WT-22-660	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1195	WT-22-660	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1196	WT-22-660	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub						
1197	WT-22-660	Blackwater	*Rubus chamaemorus*	RUBUCHA	cloudberry	Yellow	No Status	Herb						
1198	WT-22-660	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1199	WT-22-660	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1200	WT-22-660	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
1201	WT-22-660	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1202	WT-22-618	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1203	WT-22-618	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1204	WT-22-618	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1205	WT-22-618	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
1206	WT-22-618	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1207	WT-22-618	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1208	WT-22-618	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1209	WT-22-618	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1210	WT-22-618	Blackwater	*Alectoria species*	ALECTOR	Alectoria species	none	none	Epiphyte						
1211	WT-22-390b	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1212	WT-22-390b	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub						
1213	WT-22-390b	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub						
1214	WT-22-390b	Blackwater	*Kalmia microphylla var. occidentalis*	KALMMIC4	western bog-laurel	Yellow	No Status	Herb						
1215	WT-22-390b	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1216	WT-22-390b	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
1217	WT-22-390b	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
1218	WT-22-390b	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
1219	WT-22-390b	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1220	WT-22-390b	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1221	WT-22-390b	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1222	WT-22-390b	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1223	WT-22-390b	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1224	WT-22-390b	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1225	WT-22-618a	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	1	5	7	3		
1226	WT-22-618a	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub					7	
1227	WT-22-618a	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						7
1228	WT-22-618a	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1229	WT-22-618a	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						15
1230	WT-22-618a	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						1
1231	WT-22-618a	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Herb						0.1
1232	WT-22-618a	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1233	WT-22-618a	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Herb						15
1234	WT-22-618a	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						0.1
1235	WT-22-618a	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1236	WT-22-618a	Blackwater	*Parnassia fimbriata*	PARNFIM	fringed grass-of-Parnassus	Yellow	No Status	Herb						
1237	WT-22-618a	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						1
1238	WT-22-618a	Blackwater	*Calamagrostis species*	CALAMAG	Calamagrostis species	none	none	Herb						7

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1192	WT-22-660			no		no			
1193	WT-22-660			no		no			
1194	WT-22-660			no		no			
1195	WT-22-660			no		no			
1196	WT-22-660			no		no			
1197	WT-22-660			no		no			
1198	WT-22-660			no		no			
1199	WT-22-660			no		no			
1200	WT-22-660			no		no			
1201	WT-22-660			no		no			
1202	WT-22-618			no		no			
1203	WT-22-618			no		no			
1204	WT-22-618			no		no			
1205	WT-22-618			no		no			
1206	WT-22-618			no		no			
1207	WT-22-618			no		no			
1208	WT-22-618			no		no			
1209	WT-22-618			no		no			
1210	WT-22-618			no		no			
1211	WT-22-390b			no		no			
1212	WT-22-390b			no		no			
1213	WT-22-390b			no		no			
1214	WT-22-390b			no		no			
1215	WT-22-390b			no		no			
1216	WT-22-390b			no		no			
1217	WT-22-390b			no		no			
1218	WT-22-390b			no		no			
1219	WT-22-390b			no		no			
1220	WT-22-390b			no		no			
1221	WT-22-390b			no		no			
1222	WT-22-390b			no		no			
1223	WT-22-390b			no		no			
1224	WT-22-390b			no		no			
1225	WT-22-618a			no		no			
1226	WT-22-618a			no		no			Around 1.5m
1227	WT-22-618a			no		no			
1228	WT-22-618a	0.1		no		no			
1229	WT-22-618a			no		no			
1230	WT-22-618a			no		no			
1231	WT-22-618a			no		no			
1232	WT-22-618a	0.1		no		no			
1233	WT-22-618a			no		no			
1234	WT-22-618a			no		no			
1235	WT-22-618a	0.1		no		no			
1236	WT-22-618a			no		no			.1
1237	WT-22-618a			no		no			
1238	WT-22-618a			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1192	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9d37267f-1d3e-454f-afe6-411484a353de}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1193	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ff532f32-ec51-4052-898e-0deab7a0c2ad}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1194	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{8ca9224b-39ac-418c-92db-2e12e2f932d9}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1195	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{66eca1f8-6176-4c71-8159-ee9e502aa9fc}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1196	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{41ec4a93-4b48-457e-ad84-96d5f3c3f459}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1197	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{4fa45243-d5b6-4482-8f4d-f79bec717178}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1198	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{1e3a7265-d58f-4be7-8bae-0f984d3ace7e}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1199	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{c790e5f2-a9c3-4241-964c-7d6be5f3b0e6}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1200	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{e5836c62-b152-45f0-ad9d-41a3c815dd50}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1201	WT-22-660	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0405f914-3e54-4dc4-a085-e51a65c8a1fb}	{af10f2e8-cd60-4141-a1c2-3ad959680263}
1202	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{bb8f85be-3547-47e6-9c34-b84bbb8e0c40}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1203	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a3b4ce48-05b2-4d60-bba0-1dd8d7faba69}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1204	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a1335dfe-a28b-4698-886a-2b68f0cc6637}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1205	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{be49d5a8-9125-4282-bd15-95286fa7f4cf}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1206	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{b4b558ef-1486-4044-b656-e056e138cb4a}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1207	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{de046fc0-24de-4ffe-bbc9-89884338c364}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1208	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0f0a6587-5fa4-4cbc-94ce-7719fb684901}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1209	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{44329b65-9ecf-406c-aaa2-76778d1fd09d}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1210	WT-22-618	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{2c268b68-a60a-4dcd-ae6c-3ad50a2cf41a}	{cbe4e551-5b8d-4bf6-b7e1-363d632da792}
1211	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{406e9530-6abd-426b-8b25-63123cc464d9}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1212	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{fb405f20-7b3e-4158-83f6-9db92de32136}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1213	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{dece356f-513b-4270-9ae7-50ccb2ff91b8}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1214	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{f8e03626-208b-4c7e-838a-3ab31253004b}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1215	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9690e205-4daa-40ef-9ff4-73255a08d93e}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1216	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{72307b0f-81ef-40fc-988a-c89a6ab0b651}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1217	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{595c365a-cac1-42f5-9fed-f1f7eb0ba169}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1218	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{793bca6b-bb34-4f17-a150-afaf5f666e5b}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1219	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{d2445ab8-7899-412e-a798-eeaf518c7f01}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1220	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a4bd624f-0e8c-4396-a931-a001cdaf71df}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1221	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{699d2f5a-c861-4073-820a-9225e66fd81b}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1222	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{f70e2a96-53b8-4918-92ed-6bec83f34480}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1223	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{076c78f4-1723-4a4b-99f4-8623260c51b4}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1224	WT-22-390b	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{d73ca5b7-80b5-47d3-a011-c60ddfcad768}	{9b4737ec-ec90-496a-91c1-b0d794333144}
1225	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{afed245c-8b6c-4e2e-8588-5b27c8e674cc}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1226	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{95c304c5-fb48-427e-bd68-b5d8eace81b1}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1227	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{3e24340d-1110-480c-ba47-11a9ff1380c0}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1228	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{d1a5438a-2ccc-43f0-b082-42ffd7dcf998}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1229	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{60d16865-dd49-40e8-94a1-503938bc1578}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1230	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{43426fe4-6d2a-4a3b-9e84-9229cbabb468}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1231	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{51eb7423-8047-46fd-b03e-d5e8710ab784}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1232	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ed2574d7-3248-4b10-b2a5-afb65f286804}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1233	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{cdd5d80b-43aa-412c-905a-20c3ee11c671}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1234	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{5436db24-a6a2-4c66-b376-626d146cd703}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1235	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{362c1e2a-7086-4edb-a912-61ad286f0d93}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1236	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{61a72534-8892-4eee-942f-1932979211c9}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1237	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{aa7e37a8-611e-47c8-827c-2abb0d2fd213}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1238	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{e06105c0-1bf4-4ea6-a464-5a0dc2424eb6}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1239	WT-22-618a	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.1
1240	WT-22-618a	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
1241	WT-22-618a	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						3
1242	WT-22-618a	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						1
1243	WT-22-618a	Blackwater	*Aster species*	ASTER	Aster species	none	none	Herb						3
1244	WT-22-618a	Blackwater	*Veratrum viride var. eschscholzianum*	VERAVIR3	green false-hellebore	Yellow	No Status	Herb						0.1
1245	WT-22-618a	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1246	WT-22-635	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	1	5	7			
1247	WT-22-635	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	3	7	1			
1248	WT-22-635	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						5
1249	WT-22-635	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						7
1250	WT-22-635	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub				0.1	20	
1251	WT-22-635	Blackwater	*Epilobium ciliatum ssp. ciliatum*	EPILCIL1	purple-leaved willowherb	Yellow	No Status	Herb						
1252	WT-22-635	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						2
1253	WT-22-635	Blackwater	*Aconitum delphiniifolium*	ACONDEL	mountain monkshood	Yellow	No Status	Herb						0.1
1254	WT-22-635	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					5	
1255	WT-22-635	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						0.1
1256	WT-22-635	Blackwater	*Tiarella trifoliata var. unifoliata*	TIARTRI2	one-leaved foamflower	Yellow	No Status	Herb						1
1257	WT-22-635	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						0.1
1258	WT-22-635	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						3
1259	WT-22-635	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
1260	WT-22-635	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1261	WT-22-635	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1262	WT-22-635	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1263	WT-22-635	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1264	WT-22-635	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Tree or Shrub					3	
1265	WT-22-635	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						5
1266	WT-22-635	Blackwater	*Luzula parviflora ssp. parviflora*	LUZUPAR2	small-flowered wood-rush	Yellow	No Status	Herb						2
1267	WT-22-635	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.1
1268	WT-22-635	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						0.1
1269	WT-22-635	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.1
1270	WT-22-634	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1271	WT-22-634	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub						
1272	WT-22-634	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1273	WT-22-634	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Tree or Shrub						
1274	WT-22-634	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
1275	WT-22-634	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
1276	WT-22-634	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1277	WT-22-634	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1278	WT-22-634	Blackwater	*Nephroma species*	NEPHROM	Nephroma species	none	none	Moss or Lichen						
1279	WT-22-634	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1280	WT-22-391	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					1	
1281	WT-22-391	Blackwater	*Calliergon species*	CALLIER	Calliergon species	none	none	Moss or Lichen						
1282	WT-22-391	Blackwater	*Trichophorum cespitosum*	TRICCES	tufted clubrush	Yellow	No Status	Herb						75
1283	WT-22-391	Blackwater	*Eriophorum angustifolium ssp. angustifolium*	ERIOANG	narrow-leaved cotton-grass	Yellow	No Status	Herb						1
1285	WT-22-391	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1286	WT-22-391	Blackwater	*Kalmia microphylla var. occidentalis*	KALMMIC4	western bog-laurel	Yellow	No Status	Herb						0.1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1239	WT-22-618a			no		no			
1240	WT-22-618a	1		no		no			
1241	WT-22-618a			no		no			
1242	WT-22-618a			no		no			
1243	WT-22-618a			no		no			
1244	WT-22-618a			no		no			
1245	WT-22-618a		3	no		no			
1246	WT-22-635			no		no			
1247	WT-22-635			no		no			
1248	WT-22-635			no		no			
1249	WT-22-635			no		no			
1250	WT-22-635			no		no			
1251	WT-22-635			no		no			
1252	WT-22-635			no		no			
1253	WT-22-635			no		no			
1254	WT-22-635			no		no			
1255	WT-22-635			no		no			
1256	WT-22-635			no		no			
1257	WT-22-635			no		no			
1258	WT-22-635			no		no			
1259	WT-22-635	0.1		no		no			
1260	WT-22-635	1		no		no			
1261	WT-22-635	5		no		no			
1262	WT-22-635	0.1		no		no			
1263	WT-22-635		1	no		no			
1264	WT-22-635			no		no			
1265	WT-22-635					no			
1266	WT-22-635			no		no			
1267	WT-22-635			no		no			
1268	WT-22-635			no		no			
1269	WT-22-635			no		no			
1270	WT-22-634			no		no			
1271	WT-22-634			no		no			
1272	WT-22-634			no		no			
1273	WT-22-634			no		no			
1274	WT-22-634			no		no			
1275	WT-22-634			no		no			
1276	WT-22-634			no		no			
1277	WT-22-634			no		no			
1278	WT-22-634			no		no			
1279	WT-22-634			no		no			
1280	WT-22-391			no		no			
1281	WT-22-391	60		no		no			
1282	WT-22-391			no		no			
1283	WT-22-391			no		no			
1285	WT-22-391	5		no		no			
1286	WT-22-391			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1239	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{6abcec1b-214b-4dd8-8b23-9c607b2cda13}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1240	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{2b2cba16-8232-45dd-aa61-c2dd0414d604}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1241	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9dca2623-af41-481b-b138-d73762ce6762}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1242	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{25e7f193-fece-4a11-8a95-375e5c80a088}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1243	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9eaa7dc1-0949-47c7-b14c-685d57b91dce}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1244	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{b65e30cc-6a33-48ea-826e-f422adb290b9}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1245	WT-22-618a	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{13b21d25-261f-46d9-a862-283c9f7abdfd}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1246	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{3621668e-c8a1-425c-8941-d7d8f6720a1a}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1247	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{d8253c54-f832-4a10-bc29-442f923398bc}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1248	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{406ba191-d0f5-4e95-a33e-a9d1fe549230}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1249	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{37502c4a-774f-41d5-807d-d5453689bd68}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1250	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0f3e5c0f-28f2-42f1-852b-9d43a214df29}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1251	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{33ef71e3-0d14-47bb-9def-9ae891ffa80c}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1252	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{24d4f094-7331-4af7-9874-56ac4570cc8c}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1253	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{101d5f4a-cc9c-4d90-bfa7-7c2a097b826e}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1254	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{36aec2d9-953f-473c-9f1a-7da4d4b66ff3}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1255	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{90dc87bd-e6cf-4884-8df2-d34ca204b57d}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1256	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{67cc02dd-88fd-45b3-97cf-273f567c78a3}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1257	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{4b83ffc5-51bd-440a-819b-0ec3385bfb62}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1258	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0c8025f3-e5dd-45e6-9282-fb7c33356450}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1259	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{7acbaa9e-7d6d-4154-9976-67eb2e0af9df}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1260	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{efc12ce4-28ba-4da0-9875-e6258d61b4bc}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1261	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{bef35abc-d9a7-4aea-8273-ef7725918f44}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1262	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a9a1ddc8-cab8-491a-8e44-6d93f8af0b21}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1263	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{b54eaeaa-f2a8-4cad-9730-776cc97803c6}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1264	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{2d4771b3-993a-4538-91ea-5aa674156f09}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1265	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{475ff566-46c8-4ba6-8432-38f9e2317645}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1266	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{038ef15e-b185-4c83-a393-6b56115a6edb}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1267	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{4a59f53c-33da-4019-8b84-d64be3eaeeeb}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1268	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ff4cdc0f-831f-4445-9b1e-8a30e7179c96}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1269	WT-22-635	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{f91c9fd4-50c9-4553-8cd6-9673e18f2d94}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1270	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{7656c244-a1a5-4e2c-8bea-543801631163}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1271	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{e933e90a-67c7-44ba-a666-ade520b97a0a}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1272	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0635eaae-258e-42ae-94c2-90a236410c6d}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1273	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{d35778db-2fbd-49bd-b706-e27a1a8531dd}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1274	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a6730614-6c35-4d7f-9c2b-2b1d11d7329c}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1275	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a22a6235-1bd2-4c5b-9569-992abdc690f9}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1276	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ab1a0a3b-d063-46de-9e5a-375ebf7604a7}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1277	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a438a6f4-cb9b-4a28-bfa9-b0210a16ac4a}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1278	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{7e8cc2a7-b2ad-4767-a08d-2b9740efe8f5}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1279	WT-22-634	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{cf5d1f8c-0367-4d4d-8746-4c182cd488f3}	{558067cd-c5e6-47ea-b004-8d64f0bf1b7f}
1280	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0e11a7bd-ca6e-46d2-813f-c4510d719082}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1281	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ceb29c29-7ee2-4e0b-ab97-0868eab899fb}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1282	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{79cae64d-189a-469d-91a1-31948d0e2e00}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1283	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{33488b9c-c00b-4aa4-b89e-72eb5107347d}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1285	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{74c93758-d915-49ff-81b8-66a15470ae77}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1286	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{f185371d-844c-4365-b960-fae58abec884}	{d361fe03-f3db-4783-aa2e-973b39d476d3}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1287	WT-22-391	Blackwater	*Barbilophozia species*	BARBILO	Barbilophozia species	none	none	Moss or Lichen						
1289	WT-22-391	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						2
1290	WT-22-391	Blackwater	*Equisetum species*	EQUISET	Equisetum species	none	none	Herb						0.1
1291	WT-22-391	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					0.1	
1292	WT-22-391	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub			0.1	0.1	1	
1293	WT-22-391	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					0.1	
1294	WT-22-391	Blackwater	*Lupinus arcticus ssp. arcticus*	LUPIARC1	arctic lupine	Yellow	No Status	Herb						0.1
1295	WT-22-391	Blackwater	*Calamagrostis species*	CALAMAG	Calamagrostis species	none	none	Herb						0.1
1296	WT-22-391	Blackwater	*Trientalis europaea ssp. arctica*					Herb						0.1
1297	WT-22-479	Blackwater	*Symphyotrichum species*	SYMPHYO	Symphyotrichum species	none	none	Herb						7
1298	WT-22-479	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub	1	15	5	1	7	
1299	WT-22-479	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						10
1300	WT-22-479	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						1
1301	WT-22-479	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						0.1
1302	WT-22-479	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					1	
1303	WT-22-479	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Herb						2
1304	WT-22-479	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						1
1305	WT-22-479	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						5
1307	WT-22-479	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						0.1
1308	WT-22-479	Blackwater	*Epilobium ciliatum ssp. ciliatum*	EPILCIL1	purple-leaved willowherb	Yellow	No Status	Herb						0.1
1309	WT-22-479	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1310	WT-22-479	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1311	WT-22-479	Blackwater	*Nephroma species*	NEPHROM	Nephroma species	none	none	Moss or Lichen						
1312	WT-22-479	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1313	WT-22-479	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					0.1	
1314	WT-22-479	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	0.1					
1315	WT-22-479	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						0.1
1316	WT-22-479	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						0.1
1317	WT-22-357	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1318	WT-22-357	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1319	WT-22-357	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Tree or Shrub						
1320	WT-22-357	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1321	WT-22-357	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1322	WT-22-357	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
1323	WT-22-357	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1324	WT-22-357	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1325	WT-22-357	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1326	WT-22-357	Blackwater	*Rhizomnium species*	RHIZOMN	Rhizomnium species	none	none	Moss or Lichen						
1327	WT-22-357	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
1328	WT-22-357	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						
1329	WT-22-591	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1330	WT-22-591	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub						
1331	WT-22-591	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						
1332	WT-22-591	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1333	WT-22-591	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1334	WT-22-591	Blackwater	*Veratrum viride var. eschscholzianum*	VERAVIR3	green false-hellebore	Yellow	No Status	Herb						
1335	WT-22-591	Blackwater	*Elymus glaucus ssp. glaucus*	ELYMGLA5	blue wildrye	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1287	WT-22-391	2		no		no			
1289	WT-22-391			no		no			
1290	WT-22-391			no		no			
1291	WT-22-391			no		no			
1292	WT-22-391			no		no			
1293	WT-22-391			no		no			
1294	WT-22-391			no		no			
1295	WT-22-391			no		no			
1296	WT-22-391			yes		no			
1297	WT-22-479			no		no			
1298	WT-22-479			no		no			
1299	WT-22-479			no		no			
1300	WT-22-479			no		no			
1301	WT-22-479			no		no			
1302	WT-22-479			no		no			
1303	WT-22-479			no		no			
1304	WT-22-479			no		no			
1305	WT-22-479			no		no			
1307	WT-22-479			no		no			
1308	WT-22-479			no		no			
1309	WT-22-479	0.1		no		no			
1310	WT-22-479	35		no		no			
1311	WT-22-479	0.1		no		no			
1312	WT-22-479		10	no		no			
1313	WT-22-479			no		no			
1314	WT-22-479			no		no			
1315	WT-22-479			no		no			
1316	WT-22-479			no		no			
1317	WT-22-357			no		no			
1318	WT-22-357			no		no			
1319	WT-22-357			no		no			
1320	WT-22-357			no		no			
1321	WT-22-357			no		no			
1322	WT-22-357			no		no			
1323	WT-22-357			no		no			
1324	WT-22-357			no		no			
1325	WT-22-357			no		no			
1326	WT-22-357			no		no			
1327	WT-22-357			no		no			
1328	WT-22-357			no		no			
1329	WT-22-591			no		no			
1330	WT-22-591			no		no			
1331	WT-22-591			no		no			
1332	WT-22-591			no		no			
1333	WT-22-591			no		no			
1334	WT-22-591			no		no			
1335	WT-22-591			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1287	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{08ee95f2-031a-43e0-bd52-1566381a5df4}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1289	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{653cad92-a07d-4738-9276-791e36bb1d24}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1290	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{73cf0312-48f3-46f3-b873-737fbe13a3cb}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1291	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{405142a4-c74f-4557-8d5c-4a648afbbd03}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1292	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{1b65296d-97cc-406f-b75c-a2f6a9eef290}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1293	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ffa4101d-564b-4228-a138-a2e3c56ef2b2}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1294	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{09e71672-3c05-44a5-b539-ee594202ca38}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1295	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{6eb0425c-8976-4ef0-a3af-d662a8190a82}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1296	WT-22-391	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{3c2022c0-35c7-4a66-b17d-75f5a86352ea}	{d361fe03-f3db-4783-aa2e-973b39d476d3}
1297	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{e87b71f7-bafa-4887-990e-65524fe55e5c}	{33a22c07-f063-45d4-a351-e02730aa0709}
1298	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{26536dec-97c2-49b3-a7f9-6d28a97e8a8f}	{33a22c07-f063-45d4-a351-e02730aa0709}
1299	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{7fd63cfc-d079-4c43-89d4-3a70d09272bc}	{33a22c07-f063-45d4-a351-e02730aa0709}
1300	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{cb724595-6249-4a29-8a42-60e0d48ef323}	{33a22c07-f063-45d4-a351-e02730aa0709}
1301	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{fa13f024-ff04-4d80-ab96-645e9c3ab874}	{33a22c07-f063-45d4-a351-e02730aa0709}
1302	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{df112af3-f28d-4609-bf70-cd76be70df68}	{33a22c07-f063-45d4-a351-e02730aa0709}
1303	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{3df3f92b-d245-4e13-962f-fa3321f065d7}	{33a22c07-f063-45d4-a351-e02730aa0709}
1304	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9746f5fe-85ee-4ba9-857c-458d40297dc5}	{33a22c07-f063-45d4-a351-e02730aa0709}
1305	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{6ca5525d-209b-4c99-bd16-43073fd99fbf}	{33a22c07-f063-45d4-a351-e02730aa0709}
1307	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{2ee93e6f-6a24-47fa-91d9-5fe20b2b335a}	{33a22c07-f063-45d4-a351-e02730aa0709}
1308	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9161f092-6c8d-48fa-afc5-1282b3c8ef10}	{33a22c07-f063-45d4-a351-e02730aa0709}
1309	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{363ea3f4-489b-4d59-8a9c-a6bb308e5afd}	{33a22c07-f063-45d4-a351-e02730aa0709}
1310	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a4095928-8d32-4d9a-84bd-3eff68d21ea1}	{33a22c07-f063-45d4-a351-e02730aa0709}
1311	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{f58ffa7c-b116-4722-a50f-9f25979f4dbc}	{33a22c07-f063-45d4-a351-e02730aa0709}
1312	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{212bf34f-f6b4-49fa-92a7-ab3527ff46e6}	{33a22c07-f063-45d4-a351-e02730aa0709}
1313	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{25a7e236-fd17-4b80-8009-f391dbfddf8e}	{33a22c07-f063-45d4-a351-e02730aa0709}
1314	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{c60a4edd-50d6-4d12-9c92-e7897995877a}	{33a22c07-f063-45d4-a351-e02730aa0709}
1315	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{fb9a7a7b-d5d4-47c0-a4ae-7e056e717a9d}	{33a22c07-f063-45d4-a351-e02730aa0709}
1316	WT-22-479	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ec45a204-f06b-4f3a-9b51-8a3f493117c2}	{33a22c07-f063-45d4-a351-e02730aa0709}
1317	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{b1d1ab37-d9ca-4799-b047-289d5e11778e}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1318	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{85cabeb0-947e-43db-b9b4-c2309627b6ea}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1319	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ef9658d7-0942-49e0-ad1e-f6d8c3a18e25}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1320	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{1b5d4469-a25f-485b-ad30-9ec924ccde92}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1321	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{69ca5c05-1809-4d13-a7b2-4b92571b0a96}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1322	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{fd7d394e-11ec-4399-8372-7140f8229188}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1323	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{fd349344-0755-409d-b44b-fb1f90051ab0}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1324	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{2d0e0cc0-edf8-431c-83e0-2a15e675d4b4}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1325	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{6339a55e-f1af-4ec4-b2ec-f23344400d4b}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1326	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{45eccd36-daf1-40ce-bf24-463bd39bdaf4}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1327	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{574ecb54-e784-483f-9476-91a4a0a9f6b9}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1328	WT-22-357	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{21bc451c-9aef-4d94-bcc5-f23f7331c6c3}	{58ef4f64-6677-40a2-a58a-81ba42e7bee0}
1329	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{317d342d-cf27-47d5-a66a-d3e67f262bb9}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1330	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{6f1f6074-b1c0-4674-adcb-319d1df38e9c}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1331	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{97b5a7e5-3520-42a2-9bf8-d339d08959e7}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1332	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ce588b61-9fe0-47cb-9025-5259b675e942}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1333	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{14e8d7cf-6393-4a57-a29d-44b36fb1efd1}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1334	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{b8df6263-a939-4689-a33c-934d6124d340}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1335	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{a1406593-6aeb-4de4-8671-c20548abf783}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1336	WT-22-591	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1337	WT-22-591	Blackwater	*Valeriana dioica var. sylvatica*	VALEDIO2	marsh valerian	Yellow	No Status	Herb						
1338	WT-22-591	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1339	WT-22-591	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
1340	WT-22-591	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1341	WT-22-591	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1343	WT-22-618a	Blackwater	*Leptarrhena pyrolifolia*	LEPTPYR	leatherleaf saxifrage	Yellow	No Status	Herb						3
1344	WT-22-635	Blackwater	*Vaccinium caespitosum*	VACCCAE	dwarf blueberry	Yellow	No Status	Tree or Shrub					0.1	
1345	WT-22-635	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					15	
1346	WT-22-390a	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						7
1347	WT-22-518	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						0.1
1348	WT-22-518	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						50
1349	WT-22-518	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						5
1350	WT-22-518	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1351	WT-22-518	Blackwater	*Polytrichum juniperinum*	POLYJUN		Yellow	No Status	Moss or Lichen						
1352	WT-22-518	Blackwater	*Carex rostrata*	CAREROT	swollen beaked sedge	Yellow	No Status	Herb						5
1353	WT-22-518	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Tree or Shrub					0.1	
1354	WT-22-518	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					10	
1355	WT-22-518	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
1356	WT-22-518	Blackwater	*Epilobium palustre*	EPILPAL	swamp willowherb	Yellow	No Status	Herb						0.1
1357	WT-22-519	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						50
1358	WT-22-519	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
1359	WT-22-519	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						0.1
1360	WT-22-519	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						50
1361	WT-22-519	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1362	WT-22-519	Blackwater	*Persicaria amphibia*	PERSAMP	water smartweed	Yellow	No Status	Herb						1
1363	WT-22-436	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						80
1364	WT-22-436	Blackwater	*Protomicarea limosa*	PROTLIM		Unknown	No Status	Herb						1
1365	WT-22-436	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						5
1366	WT-22-436	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1367	WT-22-436	Blackwater	*Persicaria amphibia*	PERSAMP	water smartweed	Yellow	No Status	Herb						1
1368	WT-22-436	Blackwater	*Carex amplifolia*	CAREAMP	bigleaf sedge	Yellow	No Status	Herb						5
1369	WT-22-436	Blackwater	*Sium suave*	SIUMSUA	hemlock water-parsnip	Yellow	No Status	Herb						1
1370	WT-22-612	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						
1371	WT-22-612	Blackwater	*Veratrum viride var. eschscholzianum*	VERAVIR3	green false-hellebore	Yellow	No Status	Herb						
1372	WT-22-612	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1373	WT-22-612	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1374	WT-22-612	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1375	WT-22-612	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub						
1376	WT-22-612	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						
1377	WT-22-612	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						
1378	WT-22-393	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1379	WT-22-393	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1380	WT-22-393	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						
1381	WT-22-393	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1382	WT-22-393	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1383	WT-22-393	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1336	WT-22-591			no		no			
1337	WT-22-591			no		no			
1338	WT-22-591			no		no			
1339	WT-22-591			no		no			
1340	WT-22-591			no		no			
1341	WT-22-591			no		no			
1343	WT-22-618a			no		no			
1344	WT-22-635			no		no			
1345	WT-22-635			no		no			Delete Salix app.
1346	WT-22-390a			no		no			
1347	WT-22-518			no		no			
1348	WT-22-518			no		no			
1349	WT-22-518			no		no			
1350	WT-22-518	70		no		no			Under water 60%
1351	WT-22-518	1		no		no			
1352	WT-22-518			no		no			
1353	WT-22-518			no		no			
1354	WT-22-518			no		no			
1355	WT-22-518			no		no			
1356	WT-22-518			no		no			
1357	WT-22-519			no		no			
1358	WT-22-519			no		no			
1359	WT-22-519			no		no			
1360	WT-22-519			no		yes			
1361	WT-22-519	90		no		no			80% underwater
1362	WT-22-519			no		no			
1363	WT-22-436			no		no			
1364	WT-22-436			no		no			
1365	WT-22-436			no		no			Edges only
1366	WT-22-436	2		no		no			
1367	WT-22-436			no		no			
1368	WT-22-436			no		no			
1369	WT-22-436			no		no			
1370	WT-22-612			no		no			
1371	WT-22-612			no		no			
1372	WT-22-612			no		no			
1373	WT-22-612			no		no			
1374	WT-22-612			no		no			
1375	WT-22-612			no		no			
1376	WT-22-612			no		no			
1377	WT-22-612			no		no			
1378	WT-22-393			no		no			
1379	WT-22-393			no		no			
1380	WT-22-393			no		no			
1381	WT-22-393			no		no			
1382	WT-22-393			no		no			
1383	WT-22-393			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1336	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{9252aef7-3681-4a36-bf93-757ca57ee774}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1337	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{1ee61dd1-1342-4a4e-a115-1be4cff6985c}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1338	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{137877ee-2942-429a-b276-8ee43bf1f5e1}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1339	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{0289a779-9f8b-4245-9b09-9f3d145bcf9e}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1340	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{ec1d9a2a-acd1-44a3-9f87-2157a2be89ab}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1341	WT-22-591	2022-07-28 3:05	Field1_ConsultEcoLogic	2022-07-28 3:05	Field1_ConsultEcoLogic	{db03d343-8c54-4d71-b66b-ea9618d5fcc8}	{48fc1439-53ae-4cee-b92b-8543a24dd36a}
1343	WT-22-618a	2022-07-28 3:08	Field1_ConsultEcoLogic	2022-07-28 3:08	Field1_ConsultEcoLogic	{16544a86-965c-44cd-8b9b-3bf03b80a1ca}	{31b250b7-2a71-4c11-99d8-a2f8906e8d94}
1344	WT-22-635	2022-07-28 3:18	Field1_ConsultEcoLogic	2022-07-28 3:18	Field1_ConsultEcoLogic	{879a9e87-1d08-4a1f-9f0f-b86c5ce48d18}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1345	WT-22-635	2022-07-28 3:18	Field1_ConsultEcoLogic	2022-07-28 3:18	Field1_ConsultEcoLogic	{81380c6c-56bd-4143-8f35-f77fcfea2933}	{cfa67580-0015-4949-9903-1247f02d5a3d}
1346	WT-22-390a	2022-07-28 3:19	Field1_ConsultEcoLogic	2022-07-28 3:19	Field1_ConsultEcoLogic	{54f77610-7aff-417c-a857-37242ccff76c}	{9cd3f1a7-6458-4f09-a060-b7b079c3d8f8}
1347	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{0e3f7b2c-920f-4b82-9348-393ecd2eab4f}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1348	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{aafa9a5d-3d78-41f7-a843-1ef5d011cdd4}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1349	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{067abb27-6ecd-4170-abb2-1edfd7aeee9d}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1350	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{7ec80bf4-e087-43da-b41d-9baa9c09da46}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1351	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{4f80e19f-311d-47c8-a4aa-e26e2e008648}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1352	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{f2246fd1-51d8-4082-a93f-85e8eff8c9d1}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1353	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{50caa15b-208a-48af-969a-09d956d2a682}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1354	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{f9200670-c255-4bf2-8786-af66cf2b3c7f}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1355	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{98f05d8c-343b-4f91-ae24-6708b7add06d}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1356	WT-22-518	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{630ef657-b15f-425b-9f7e-192cc97b6bba}	{d19de756-a3e0-4563-96a7-9732b00b9e64}
1357	WT-22-519	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{2b86debf-522c-492d-bc3d-8ac58bd71ac2}	{dcfb2675-42d3-47da-b1ab-30b7a90f0632}
1358	WT-22-519	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{a2df9658-1de8-4331-a7e7-9550c1660820}	{dcfb2675-42d3-47da-b1ab-30b7a90f0632}
1359	WT-22-519	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{62b54391-d7b9-40b0-948f-d8f73e7fbe65}	{dcfb2675-42d3-47da-b1ab-30b7a90f0632}
1360	WT-22-519	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{8b08dc50-6d10-4cbd-ae80-08f2d6097a2e}	{dcfb2675-42d3-47da-b1ab-30b7a90f0632}
1361	WT-22-519	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{6d1d974e-95ab-4da6-8436-103dbedd58dc}	{dcfb2675-42d3-47da-b1ab-30b7a90f0632}
1362	WT-22-519	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{026621b4-9c3f-4502-b7ab-bc57b789b1d0}	{dcfb2675-42d3-47da-b1ab-30b7a90f0632}
1363	WT-22-436	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{f5341940-41fe-43fc-b112-34738818bfce}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1364	WT-22-436	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{1396169d-a8a0-47db-8a8e-19dd8ddbd0be}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1365	WT-22-436	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{863ea437-812c-4b5a-b54d-0c7328775261}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1366	WT-22-436	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{1e9dedbe-a1a6-4777-b903-f4c1e68d7135}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1367	WT-22-436	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{ff97a90d-92a2-4f73-8b97-cddb223dfa3f}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1368	WT-22-436	2022-07-28 20:50	Field1_ConsultEcoLogic	2022-07-28 20:50	Field1_ConsultEcoLogic	{d09d9942-fbf5-4e93-b567-9c11b6fb546b}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1369	WT-22-436	2022-07-29 0:11	Field1_ConsultEcoLogic	2022-07-29 0:11	Field1_ConsultEcoLogic	{902e7975-9952-421b-83f7-53172a0a3333}	{5964f4db-180e-4cef-9c93-f4b0bea81e64}
1370	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ef594df4-40a5-4034-b7bd-a29c34826515}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1371	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d370a1f3-2349-4f6f-b26c-15511de82b92}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1372	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{0c47836e-ee89-4bde-9ccd-2bbd28286a9d}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1373	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{6e24adda-25ec-47da-89b5-733b027b1cf2}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1374	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9beeceb0-fa8e-4be3-9073-94825c21b0b6}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1375	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{861c9d2b-22a1-4b08-84d2-edb121a55879}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1376	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fa0f7939-0624-42e6-ba50-4ef0549749dd}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1377	WT-22-612	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{808c8d84-3296-49a7-a8df-449eae3e5ff5}	{b72df8a6-f15f-4d40-887b-470a9e730e6a}
1378	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{52dc1b3e-c41f-41c9-b0fa-90a90a0e85a2}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}
1379	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{0f4030e3-fdd7-4dac-b49a-61601883e1bc}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}
1380	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{462ec968-5439-475c-9fb0-b5e042068c78}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}
1381	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ce249343-8f82-4e54-a079-292bb7c3b80f}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}
1382	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1f605ee3-af5c-4f00-b86f-2254cd52e049}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}
1383	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{49d432c6-c069-4ed3-9ab9-730c5f8e9646}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1384	WT-22-393	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1385	WT-22-613	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1386	WT-22-613	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1387	WT-22-613	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1388	WT-22-613	Blackwater	*Aconitum delphiniifolium*	ACONDEL	mountain monkshood	Yellow	No Status	Herb						
1389	WT-22-613	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1390	WT-22-613	Blackwater	*Rubus arcticus ssp. acaulis*	RUBUARC1	nagoonberry	Yellow	No Status	Herb						
1391	WT-22-613	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1392	WT-22-613	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1393	WT-22-613	Blackwater	*Veronica nutans*	VERONUT	alpine speedwell	Yellow	No Status	Herb						
1394	WT-22-613	Blackwater	*Rumex acetosella*	RUMEACT	sheep sorrel	Exotic	No Status	Herb						
1395	WT-22-479a	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1396	WT-22-479a	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1397	WT-22-479a	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1398	WT-22-479a	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1399	WT-22-479a	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub						
1400	WT-22-479a	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1401	WT-22-479a	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						
1402	WT-22-479a	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
1403	WT-22-479a	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1404	WT-22-479a	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1405	WT-22-479a	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						
1406	WT-22-479a	Blackwater	*Antennaria species*	ANTENNA	Antennaria species	none	none	Herb						0.1
1407	WT-22-443	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				1	0.1	
1408	WT-22-443	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub	0.1	1			0.1	
1409	WT-22-443	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					20	
1410	WT-22-443	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					7	
1411	WT-22-443	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.1
1412	WT-22-443	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1413	WT-22-443	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub						
1414	WT-22-443	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						7
1415	WT-22-443	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						25
1417	WT-22-443	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb					0.1	
1418	WT-22-443	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						5
1419	WT-22-443	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					3	
1420	WT-22-443	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1421	WT-22-443	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Tree or Shrub					1	
1423	WT-22-443	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						15
1424	WT-22-443	Blackwater	*Kalmia microphylla var. occidentalis*	KALMMIC4	western bog-laurel	Yellow	No Status	Herb						0.1
1425	WT-22-443	Blackwater	*Drepanocladus species*	DREPANO	Drepanocladus species	none	none	Moss or Lichen						
1426	WT-22-443	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.1
1427	WT-22-559	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		0.1		0.1	0.1	
1428	WT-22-559	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		0.1				
1429	WT-22-559	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub			1	0.1		
1431	WT-22-559	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1432	WT-22-559	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					3	
1433	WT-22-559	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					0.1	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1384	WT-22-393			no		no			
1385	WT-22-613			no		no			
1386	WT-22-613			no		no			
1387	WT-22-613			no		no			
1388	WT-22-613			no		no			
1389	WT-22-613			no		no			
1390	WT-22-613			no		no			
1391	WT-22-613			no		no			
1392	WT-22-613			no		no			
1393	WT-22-613			no		no			
1394	WT-22-613			no		no			
1395	WT-22-479a			no		no			
1396	WT-22-479a			no		no			
1397	WT-22-479a			no		no			
1398	WT-22-479a			no		no			
1399	WT-22-479a			no		no			
1400	WT-22-479a			no		no			
1401	WT-22-479a			no		no			
1402	WT-22-479a			no		no			
1403	WT-22-479a			no		no			
1404	WT-22-479a			no		no			
1405	WT-22-479a			no		no			
1406	WT-22-479a			no		no			
1407	WT-22-443			no		no			
1408	WT-22-443			no		no			
1409	WT-22-443			no		no			
1410	WT-22-443			no		no			
1411	WT-22-443			no		no			
1412	WT-22-443	35		no		no			
1413	WT-22-443			no		no			
1414	WT-22-443			no		no			
1415	WT-22-443			no		no			
1417	WT-22-443			no		no			
1418	WT-22-443			no		no			
1419	WT-22-443			no		no			
1420	WT-22-443	1		no		no			
1421	WT-22-443			no		no			
1423	WT-22-443			no		no			
1424	WT-22-443			no		no			
1425	WT-22-443	1		no		no			
1426	WT-22-443			no		no			
1427	WT-22-559			no		no			
1428	WT-22-559			no		no			
1429	WT-22-559			no		no			
1431	WT-22-559			no		no			
1432	WT-22-559			no		no			
1433	WT-22-559			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1384	WT-22-393	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{97c306af-ce26-404e-a90e-970ed2a2da43}	{cb66979f-57a6-4fc6-87ce-f9a9e1cfd477}
1385	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{7e5b376c-cb34-4f0a-adfe-8cac166e02cd}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1386	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{73637f42-e781-4f9b-9d25-6664140bd39d}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1387	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{4f7974ff-efd5-4a51-97d9-2a848c757b27}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1388	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{cefa3700-a7d7-49fb-9cfa-03b4bd5afee2}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1389	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b8b73d81-82e1-40d4-95df-517eb5a99d4d}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1390	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{050f8640-5d40-4f59-85b4-ef8ccf2a5180}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1391	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fdb6f51c-96d3-45d3-bbb7-d55f858c0303}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1392	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8a31d8ef-8a9c-4c6e-b0da-d5e935297b2b}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1393	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{5c4167c4-cbdf-4137-b9cb-4bc37fbed049}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1394	WT-22-613	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{6a72e256-81a5-4fd7-aff3-86286bf7cc5b}	{17751726-eac1-4bbc-8d59-75b9cf75b940}
1395	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{734d6551-cafd-4500-873b-0b5eb21cabdd}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1396	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{4189d88a-96e3-4ec0-97d0-c6dbc79cb654}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1397	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{30891e5f-ada8-4c98-b7c9-26ba95152c6e}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1398	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{0bfbfd8e-e558-4b34-8d8a-4793dec9c764}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1399	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{15057e30-6018-4045-8694-8d8104a37ba3}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1400	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{71cf7eba-2b24-4479-bef1-1b34d0eb7526}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1401	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e2ed256f-c526-4dd0-b3da-a1f30cc3e7dc}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1402	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b1182be9-3364-423d-82e7-782414363baf}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1403	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{442cc26b-ebff-4dbf-8c55-630073246591}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1404	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9c6fe4ae-2e27-4721-951a-3e3fcc7a28c6}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1405	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d6875aa1-0f57-40a1-a613-48a7ea3f763e}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1406	WT-22-479a	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1238b1d5-a182-4a02-ace8-c800a6a4fe33}	{2b2e9511-4a5a-4422-ab2d-c6cf741710ec}
1407	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fb0d4f3f-14fc-4432-afc4-2e3dc9af5a4a}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1408	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{61bf2762-d3db-43ba-934b-897c35d6fa1d}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1409	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{21ecfd51-68d0-4ac8-9f1c-8d3d1b5a1bb6}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1410	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fb15ea5b-8910-40c2-8689-7f3416f0be54}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1411	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d018c4a2-5341-48c5-b7ff-f1ef07097d34}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1412	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{63ec29c4-6d56-4af5-a9f6-f97c1f2abd22}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1413	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e5e90bb8-8472-4b77-b583-8f0215e98691}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1414	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e64df5b0-0130-4fda-b5a6-df12d76bf411}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1415	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{43c37289-ca43-45ad-bb22-be0c36eaa764}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1417	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1750d36a-f189-4a13-9599-f4da0cf15f24}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1418	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{56b8c8f6-e29c-45da-a98a-f92df4647784}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1419	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{646a6070-8e02-45f8-89bd-617be210a22f}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1420	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{86e233c6-6a0a-41aa-8afb-f7f04cd43260}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1421	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{5f8e031a-6bc0-484e-a753-3d66d982116e}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1423	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{2439d272-4c96-4552-b0f8-0bc1c12b1214}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1424	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ff33066b-e5a1-4096-aa13-ad977c139acd}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1425	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{647044d8-a43c-4942-900c-d6346b5dfd6e}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1426	WT-22-443	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{5c1b722a-312a-4def-9d30-8520ce603c2c}	{25cafb5c-e782-42e7-baf6-77669e8289f0}
1427	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{065bc13b-0e96-4f5e-b12d-12970cff70ed}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1428	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{4a978a9f-f838-402a-82d0-e060f2b4b737}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1429	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{97848ddf-a65a-4117-9475-bd622a3fd23d}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1431	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{bc9c1154-8167-470d-a110-130a1ab50481}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1432	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d7c2bcfa-789b-4d00-bd0a-9a0a625f95ef}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1433	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{72663a85-a1b7-4621-9bfb-f9175964e3e9}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1434	WT-22-559	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						3
1435	WT-22-559	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						3
1436	WT-22-559	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						1
1437	WT-22-559	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						2
1438	WT-22-559	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						1
1439	WT-22-559	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Tree or Shrub					1	
1440	WT-22-559	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Herb						2
1441	WT-22-559	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						0.1
1442	WT-22-559	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.1
1443	WT-22-559	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Tree or Shrub					1	
1444	WT-22-559	Blackwater	*Kalmia microphylla var. occidentalis*	KALMMIC4	western bog-laurel	Yellow	No Status	Herb						0.1
1445	WT-22-559	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1446	WT-22-559	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.1
1447	WT-22-559	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						2
1448	WT-22-559	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						0.1
1449	WT-22-559	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.1
1450	WT-22-559	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						10
1451	WT-22-559	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub					3	
1452	WT-22-559	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1453	WT-22-559	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					5	
1454	WT-22-558	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub				1	1	
1455	WT-22-558	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub			2	1		
1456	WT-22-558	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					7	
1457	WT-22-558	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						25
1458	WT-22-558	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1459	WT-22-558	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						0.1
1460	WT-22-558	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.1
1461	WT-22-558	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					20	
1462	WT-22-558	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					5	
1463	WT-22-558	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						3
1464	WT-22-558	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						3
1465	WT-22-557	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1466	WT-22-557	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1467	WT-22-557	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status							
1468	WT-22-557	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1469	WT-22-557	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
1470	WT-22-557	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1471	WT-22-557	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						
1472	WT-22-557	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1473	WT-22-557	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
1474	WT-22-557	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1475	WT-22-557	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						
1476	WT-22-557	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1477	WT-22-557	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1479	WT-22-557	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1480	WT-22-338b	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1481	WT-22-338b	Blackwater	*Sanguisorba stipulata*	SANGSTI	Sitka burnet	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1434	WT-22-559			no		no			
1435	WT-22-559			no		no			
1436	WT-22-559			no		no			
1437	WT-22-559			no		no			
1438	WT-22-559			no		no			
1439	WT-22-559			no		no			
1440	WT-22-559			no		no			
1441	WT-22-559			no		no			
1442	WT-22-559			no		no			
1443	WT-22-559			no		no			
1444	WT-22-559			no		no			
1445	WT-22-559	20		no		no			
1446	WT-22-559			no		no			
1447	WT-22-559			no		no			
1448	WT-22-559			no		no			
1449	WT-22-559			no		no			
1450	WT-22-559			no		no			
1451	WT-22-559			no		no			
1452	WT-22-559	0.1		no		no			
1453	WT-22-559			no		no			
1454	WT-22-558			no		no			
1455	WT-22-558			no		no			
1456	WT-22-558			no		no			
1457	WT-22-558			no		no			
1458	WT-22-558	65		no		no			
1459	WT-22-558			no		no			
1460	WT-22-558			no		no			
1461	WT-22-558			no		no			
1462	WT-22-558			no		no			
1463	WT-22-558			no		no			
1464	WT-22-558			no		no			
1465	WT-22-557			no		no			
1466	WT-22-557			no		no			
1467	WT-22-557			no		no			
1468	WT-22-557			no		no			
1469	WT-22-557			no		no			
1470	WT-22-557			no		no			
1471	WT-22-557			no		no			
1472	WT-22-557			no		no			
1473	WT-22-557			no		no			
1474	WT-22-557			no		no			
1475	WT-22-557			no		no			
1476	WT-22-557			no		no			
1477	WT-22-557			no		no			
1479	WT-22-557			no		no			
1480	WT-22-338b			no		no			
1481	WT-22-338b			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1434	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fe5a1bdd-a599-44b6-ae58-62e8c635a3a8}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1435	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{2d688f3f-75b0-4b23-af2f-7e26d067bb90}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1436	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e2a02474-c8e9-42ec-8e2f-286775d25b02}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1437	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9ee31079-34c4-4765-8430-6f656ebf0301}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1438	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{eb3e485d-a6ee-4f49-8104-bea1389c76be}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1439	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{612158a0-a65b-43a4-9a11-317eaf3341d4}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1440	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{7732c3d5-827a-4ffa-8fa1-ea6c6c9e81d0}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1441	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a5e70bb3-be09-4ac8-972f-32ece4ad300e}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1442	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d359e3cb-a30a-4467-bcad-7823fe4b42cf}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1443	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8d4feb20-125d-4841-9b02-7c4ed57510be}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1444	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{87e2c82c-9729-464d-96cb-b313087ddbcf}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1445	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{55ca7e41-797e-4866-9fbd-37cd4a5969fa}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1446	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c9504530-2df2-4988-8950-751f92037428}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1447	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{2ff92693-5107-4097-a95a-bcd916571b1e}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1448	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{37d8b406-fcdb-4d75-baa8-6735037c2a56}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1449	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{72dc2843-7c13-4e0b-b74c-53e983fa27fc}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1450	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9b4b0ff5-d0da-409c-a24c-a39db7bf7dcf}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1451	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{749e3553-cc56-446c-bba0-f86ff1e18e8d}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1452	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{6abce301-7acd-4e9d-8163-1d1f787624c3}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1453	WT-22-559	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{20455737-ac4e-4f95-800e-9b1428c292d8}	{cbd4b8bc-9b3e-4c12-8d55-7683226a02f1}
1454	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{4c2ce91f-4b50-40e3-9ba3-f996f957fa98}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1455	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{46b785d0-e89e-4b45-b4f1-7d7c7875cfff}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1456	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{447fbd47-4041-4ab8-a1d3-9c8cfa1f30d8}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1457	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{124a8431-dc0a-4335-a4ec-c09b562c8ab1}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1458	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b8b5651b-16ee-46ce-9642-f45b24687a56}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1459	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1f09b735-100b-46fc-8581-9c3e1168e6c8}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1460	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1fc414bd-7ce6-4a95-8244-6a359fd6c210}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1461	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{79400212-b6ba-418f-b8c4-4093957cd779}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1462	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9be3fcf6-9abd-410c-bc0e-c140ac8a691f}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1463	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9c4c43d1-31ef-4c14-8894-663bb234b32d}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1464	WT-22-558	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{2fb45924-f1d1-4c11-8b8f-6fea2ad6c73d}	{1dd9514f-584c-409f-a029-caf119b1dca3}
1465	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ede3b5ae-78d7-44d6-a541-9b07b3241eab}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1466	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fd4affc4-a8fc-477a-a8d5-5b237e6adfdb}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1467	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{019d84a3-c3b8-4cfa-a052-bb5f1ed38965}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1468	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ecec7392-d77c-4004-96da-3f0fb55eb0e0}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1469	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{eed09b91-fc60-44ba-a69f-b2f0d6dce032}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1470	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1b1dac26-8c6b-4f7d-8ca0-42a6655326ab}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1471	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9217fc91-a154-4bd6-a3c6-e618c348cdf8}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1472	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a96a5e4c-3c62-4229-9c58-035dfe460f54}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1473	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d620710b-cfda-4a02-8ff3-ec147f64de02}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1474	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8f2d8681-e572-41be-90c7-0f186a0299a9}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1475	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9a85cafb-4757-46e7-8442-a849f3209ea8}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1476	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f9e85d4d-cd29-4111-90c9-9d635a36668a}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1477	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{eafd7aad-b89e-42d5-bf63-2b4bc1b7a298}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1479	WT-22-557	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{5195bbd4-012b-4921-8e6e-ee10c944cbb5}	{7d72e139-f941-4f13-9eef-ce5a087a93c8}
1480	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{120e61b2-a194-4e2e-b03d-f53b11a00c6c}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1481	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c1b93867-ce0e-48fa-8a2f-b5e3a198809e}	{56a25777-067f-448d-a2b4-6496d5510e6f}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1482	WT-22-338b	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						
1483	WT-22-338b	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub						
1484	WT-22-338b	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub						
1485	WT-22-338b	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1486	WT-22-338b	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1487	WT-22-338b	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1488	WT-22-338b	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1489	WT-22-338c	Blackwater	*Picea species*	PICEA	Picea species	none	none	Tree or Shrub						
1490	WT-22-338c	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1491	WT-22-338c	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						
1492	WT-22-338c	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1493	WT-22-338c	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1494	WT-22-338c	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						
1495	WT-22-338c	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1496	WT-22-338c	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						
1497	WT-22-338c	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1498	WT-22-561	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1499	WT-22-561	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub						
1500	WT-22-561	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1501	WT-22-561	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub						
1502	WT-22-561	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1503	WT-22-561	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1504	WT-22-561	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
1505	WT-22-561	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						
1506	WT-22-561	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1507	WT-22-561	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						
1508	WT-22-561	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						
1509	WT-22-560	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1510	WT-22-560	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1511	WT-22-560	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1512	WT-22-560	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1513	WT-22-560	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1514	WT-22-560	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1515	WT-22-560	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1516	WT-22-560	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1517	WT-22-560	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1518	WT-22-560	Blackwater	*Vaccinium scoparium*	VACCSCO	grouseberry	Yellow	No Status	Tree or Shrub						
1519	WT-22-560	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1520	WT-22-560	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1521	WT-22-560	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						
1523	WT-22-560b	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1524	WT-22-560b	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1525	WT-22-560b	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1526	WT-22-560b	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1527	WT-22-560b	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						
1528	WT-22-560b	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1529	WT-22-560b	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1482	WT-22-338b			no		no			
1483	WT-22-338b			no		no			
1484	WT-22-338b			no		no			
1485	WT-22-338b			no		no			
1486	WT-22-338b			no		no			
1487	WT-22-338b			no		no			
1488	WT-22-338b			no		no			
1489	WT-22-338c			no		no			
1490	WT-22-338c			no		no			
1491	WT-22-338c			no		no			
1492	WT-22-338c			no		no			
1493	WT-22-338c			no		no			
1494	WT-22-338c			no		no			
1495	WT-22-338c			no		no			
1496	WT-22-338c			no		no			
1497	WT-22-338c			no		no			
1498	WT-22-561			no		no			
1499	WT-22-561			no		no			
1500	WT-22-561			no		no			
1501	WT-22-561			no		no			
1502	WT-22-561			no		no			
1503	WT-22-561			no		no			
1504	WT-22-561			no		no			
1505	WT-22-561			no		no			
1506	WT-22-561			no		no			
1507	WT-22-561			no		no			
1508	WT-22-561			no		no			
1509	WT-22-560			no		no			
1510	WT-22-560			no		no			
1511	WT-22-560			no		no			
1512	WT-22-560			no		no			
1513	WT-22-560			no		no			
1514	WT-22-560			no		no			
1515	WT-22-560			no		no			
1516	WT-22-560			no		no			
1517	WT-22-560			no		no			
1518	WT-22-560			no		no			
1519	WT-22-560			no		no			
1520	WT-22-560			no		no			
1521	WT-22-560			no		no			
1523	WT-22-560b			no		no			
1524	WT-22-560b			no		no			
1525	WT-22-560b			no		no			
1526	WT-22-560b			no		no			
1527	WT-22-560b			no		no			
1528	WT-22-560b			no		no			
1529	WT-22-560b			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1482	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{6cb108a3-9e87-4993-9eda-447ea16bf2e8}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1483	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e872ca44-8bec-45f2-ae82-1743a1e8e5d0}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1484	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e4a4cf19-a786-4f03-a097-4a19f5e6351a}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1485	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{6d5a6365-b819-404d-9f6e-173078946325}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1486	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{bea0a060-d7e2-4910-b0d2-fec03f92b5c3}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1487	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8aafc4b1-8d65-4bbb-bc54-c83fe57b3b69}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1488	WT-22-338b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{cbdf694c-a998-40fa-898e-f08ed4c7acc6}	{56a25777-067f-448d-a2b4-6496d5510e6f}
1489	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9143375f-74c6-448e-8f0c-ccc3b1dc3249}	{cc36f272-d552-438a-8df3-d2d72684d108}
1490	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fa084dd5-c125-44ae-930b-68327696cb9b}	{cc36f272-d552-438a-8df3-d2d72684d108}
1491	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c438d34c-2fe5-4ed9-88ad-2911d50f9e2a}	{cc36f272-d552-438a-8df3-d2d72684d108}
1492	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1d3d40d6-2283-4ac3-8e6e-bdb929eacf6d}	{cc36f272-d552-438a-8df3-d2d72684d108}
1493	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d76e5df9-7881-4cc7-ab6d-e19d21072194}	{cc36f272-d552-438a-8df3-d2d72684d108}
1494	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{821b141f-359a-4419-8b1d-c60d3b16eb81}	{cc36f272-d552-438a-8df3-d2d72684d108}
1495	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{bdfa28bd-862c-49dc-a2a9-daa300c86570}	{cc36f272-d552-438a-8df3-d2d72684d108}
1496	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{dd20c946-b246-49bf-b77d-8d04d4e257e9}	{cc36f272-d552-438a-8df3-d2d72684d108}
1497	WT-22-338c	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{38c36c54-089e-40cf-9944-99aaf7e87940}	{cc36f272-d552-438a-8df3-d2d72684d108}
1498	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9801ad4e-0aa0-4101-814d-fee5809de0a4}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1499	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ea73e26e-966e-4ff0-813a-1579e483a8a4}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1500	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8cff61f2-854b-4606-8875-e403f3f2768c}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1501	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a132a5eb-15ba-418a-be57-c9a2f7335450}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1502	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{2bf0fd92-764a-48f6-8a55-cd85ab40c443}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1503	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{347da028-22dd-46b3-a66f-b4fc24d15078}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1504	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f515f32b-e51b-4165-ae98-e3d87b8aab93}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1505	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{3211758c-3e41-41c6-bafd-24cde83593c9}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1506	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e27cbbbb-c91d-4485-a290-424191759eea}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1507	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{47c3412d-626d-4c05-bb2d-e140ce4bcaeb}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1508	WT-22-561	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a3c88a21-45cd-4b62-b1b5-37b671c99dcc}	{72a5b06f-2229-447c-89f5-bb9f14699500}
1509	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{7992befd-24c9-4991-9a92-b79d27f84319}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1510	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{5d613a15-65dd-4bc8-8ac0-c0c6c111faeb}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1511	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{56b7b96c-f921-4bb1-b3ee-6062e49daa2f}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1512	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a51afbad-b5e2-40be-9f60-b263fc3edeb7}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1513	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{07690ab0-ef24-479b-a4e6-aaccc54c03c6}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1514	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{979a07e7-cd1c-490b-93f0-51141cc37aa3}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1515	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a7738787-11cf-4db0-9b15-34a6b99d7779}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1516	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c8265c40-dc59-47ce-b6d3-2ff0a3aea32e}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1517	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{42c7d4bc-f146-49b4-8eb4-fdb1a1f545fa}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1518	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{870561a8-638a-4284-b586-06822272afe2}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1519	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d65ddf79-8e3b-4ff9-9a43-588f3510e4b9}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1520	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f254adbf-7e4c-4d72-b223-0dde9cebcc7b}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1521	WT-22-560	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c46d2e9e-a095-41a4-8224-408940404c1d}	{3cc63aac-6b99-44d0-8c88-1b165a637cc3}
1523	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{36191aff-e572-45f8-8823-ff7081c0ad51}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1524	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{81ac1a07-2bb7-45fa-8684-5a5b2edafbae}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1525	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a5748fc4-5c3b-4fff-a97c-7af868e216d3}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1526	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{3fbcce19-77a0-4814-b2a6-18f48c5c0542}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1527	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{dbfead0c-c423-4bbe-a297-3f9befdfbb90}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1528	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{45b58bf9-fa0f-4550-abb5-e64b3cd6a1d9}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1529	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{4f99e01b-e1ae-42c1-81d4-359178fc5070}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1530	WT-22-560b	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1531	WT-22-560b	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1532	WT-22-560b	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						
1533	WT-22-560b	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						
1534	WT-22-560b	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1535	WT-22-560b	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1536	WT-22-560b	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1537	WT-22-560b	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Herb						
1538	WT-22-560b	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1539	WT-22-560b	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub						
1540	WT-22-676	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1541	WT-22-676	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1542	WT-22-676	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						
1543	WT-22-676	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1544	WT-22-676	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1545	WT-22-676	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1546	WT-22-676	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1547	WT-22-676	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1548	WT-22-676	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1549	WT-22-676	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1550	WT-22-676	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1551	WT-22-676	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1552	WT-22-676	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1553	WT-22-676	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1554	WT-22-676	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1555	WT-22-676	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1556	WT-22-676	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						
1557	WT-22-676	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1558	WT-22-676b	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status							
1559	WT-22-676b	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1560	WT-22-676b	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						
1561	WT-22-676b	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
1562	WT-22-676b	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub						
1563	WT-22-676b	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1564	WT-22-676b	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1565	WT-22-676b	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						
1566	WT-22-	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1567	WT-22-	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub						
1568	WT-22-	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1569	WT-22-	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub						
1570	WT-22-	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub						
1571	WT-22-	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1572	WT-22-	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1573	WT-22-	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						
1574	WT-22-	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
1575	WT-22-	Blackwater	*Carex limosa*	CARELIM	shore sedge	Yellow	No Status	Herb						
1576	WT-22-	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1530	WT-22-560b			no		no			
1531	WT-22-560b			no		no			
1532	WT-22-560b			no		no			
1533	WT-22-560b			no		no			
1534	WT-22-560b			no		no			
1535	WT-22-560b			no		no			
1536	WT-22-560b			no		no			
1537	WT-22-560b			no		no			
1538	WT-22-560b			no		no			
1539	WT-22-560b			no		no			
1540	WT-22-676			no		no			
1541	WT-22-676			no		no			
1542	WT-22-676			no		no			
1543	WT-22-676			no		no			
1544	WT-22-676			no		no			
1545	WT-22-676			no		no			
1546	WT-22-676			no		no			
1547	WT-22-676			no		no			
1548	WT-22-676			no		no			
1549	WT-22-676			no		no			
1550	WT-22-676			no		no			
1551	WT-22-676			no		no			
1552	WT-22-676			no		no			
1553	WT-22-676			no		no			
1554	WT-22-676			no		no			
1555	WT-22-676			no		no			
1556	WT-22-676			no		no			
1557	WT-22-676			no		no			
1558	WT-22-676b			no		no			
1559	WT-22-676b			no		no			
1560	WT-22-676b			no		no			
1561	WT-22-676b			no		no			
1562	WT-22-676b			no		no			
1563	WT-22-676b			no		no			
1564	WT-22-676b			no		no			
1565	WT-22-676b			no		no			
1566	WT-22-			no		no			
1567	WT-22-			no		no			
1568	WT-22-			no		no			
1569	WT-22-			no		no			
1570	WT-22-			no		no			
1571	WT-22-			no		no			
1572	WT-22-			no		no			
1573	WT-22-			no		no			
1574	WT-22-			no		no			
1575	WT-22-			no		no			
1576	WT-22-			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1530	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{3a1aa3e9-d87d-4cec-a866-e40d241ccb8b}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1531	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8ae11da7-32d6-4119-ba74-79180a77fe2b}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1532	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{87b5cb81-aff3-4df0-8cf0-6d70a8baab6b}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1533	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{940ccd53-5e36-4063-808d-1a6a4d932fa7}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1534	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a726716c-927d-4c93-8ebe-ffabfdfd5ecd}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1535	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{aa056571-e79d-43be-86a3-92b1ab05e15f}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1536	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f45a62a6-d253-48d3-9941-ad9b498880aa}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1537	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{417d601a-c742-4002-bd80-f1acbe4da2fb}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1538	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{0d8f27ab-0ee0-4f1a-b989-b456cba79e60}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1539	WT-22-560b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{95349578-1619-40a6-bbfe-56e312a71a9a}	{2de4fda3-8d47-4517-a334-8b7acab7b1bb}
1540	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{322c8052-78db-4424-92eb-6f425b7e3a22}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1541	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{caad8dd1-765e-45cc-bb4b-5acfd5319624}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1542	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9c599bda-76f4-43b9-b5be-c2ac909984fe}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1543	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{30bd5502-97d3-48b8-9000-1a67bdd77a07}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1544	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{719a89ad-9484-4c29-aee4-0f0e1f060167}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1545	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b8153343-33e6-4b4a-b719-0cca277be666}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1546	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fb25143a-042f-44b6-b8ee-596e879065a9}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1547	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{70f184ee-2593-4422-91e9-8f84c3d748cd}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1548	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{2bf00e58-1d32-487f-ab61-94b0cc890ed4}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1549	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ae7aced1-4d4e-4561-b073-261572acbc6b}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1550	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{0dfda098-1d64-4664-8172-daf4fc45ca7a}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1551	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{dd51883a-477b-4356-b7b6-283e4c97a7ae}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1552	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{bbb47f11-8734-485e-88a5-9185ece6ec6b}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1553	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{42824956-9c00-4fae-8de3-c01c085ac6bc}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1554	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{389c35ef-0e53-4d91-b926-8662acd5f63b}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1555	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{854b2c24-b0ce-405c-85e0-196f7b76ac56}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1556	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{3260bfbb-e13c-40e8-80db-ea42ad7538a4}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1557	WT-22-676	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{89cab607-9766-4842-ab36-84582efc16b1}	{96e23c4b-59f0-4685-9428-1d162e7adb5e}
1558	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{601d7871-31e3-4ca7-a877-9741dbfcc864}	{409ab527-b335-41c3-8c66-d25618304ca7}
1559	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{370515e3-d4a1-4a55-9efb-8cf68d39cbde}	{409ab527-b335-41c3-8c66-d25618304ca7}
1560	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f7753b1d-cb76-4ae7-a663-d7aaf0d2135d}	{409ab527-b335-41c3-8c66-d25618304ca7}
1561	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d3b0015a-905b-47e4-a02e-3d60522051 40}	{409ab527-b335-41c3-8c66-d25618304ca7}
1562	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{43ed1e36-256e-4a04-b952-74059eafdace}	{409ab527-b335-41c3-8c66-d25618304ca7}
1563	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f2ebfe2a-66f2-4fe5-9569-ba28e5f09166}	{409ab527-b335-41c3-8c66-d25618304ca7}
1564	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{dfcb92ef-e9cd-4459-a88a-24640eca05db}	{409ab527-b335-41c3-8c66-d25618304ca7}
1565	WT-22-676b	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e18d00f9-66b4-4b62-a4b1-380e37ffbe33}	{409ab527-b335-41c3-8c66-d25618304ca7}
1566	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{251399e5-e129-4a24-99d8-c47f78d51be2}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1567	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ca168654-5853-4d7a-93d9-cc45b62b2b2e}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1568	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c36b0ad7-79cb-45ed-b91a-2baab7661935}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1569	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{564a4ec1-d18a-4202-93ed-735841fd64c5}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1570	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f8ccc27b-1e76-408f-927e-3fb06aef26f4}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1571	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9a94a7c2-43d7-40e7-aa1e-fba4e4c75f64}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1572	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{631e63dd-cd5c-4c68-b45d-198567a2373e}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1573	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{f887d219-93b8-4f9e-aea6-d02b93694fb5}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1574	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c132390d-f622-4169-aff1-be51f74740c0}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1575	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9ff67834-d5c7-4217-b1d3-9ff70ebfb190}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1576	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9cc1bbdc-45a8-4234-bbf0-3b2befa7de3f}	{9eaa5c06-f425-4068-8dba-034867ef6595}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1577	WT-22-	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1578	WT-22-	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1579	WT-22-	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1580	WT-22-338e	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1581	WT-22-338e	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1582	WT-22-338e	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1583	WT-22-338e	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1584	WT-22-338e	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						
1585	WT-22-338e	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1586	WT-22-338e	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1587	WT-22-338e	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1588	WT-22-338e	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						
1589	WT-22-338e	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						
1590	WT-22-338e	Blackwater	*Moneses uniflora*	MONEUNI	single delight	Yellow	No Status	Herb						
1591	WT-22-338e	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1592	WT-22-431	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	1					
1593	WT-22-431	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					35	
1594	WT-22-431	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					7	
1595	WT-22-431	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						20
1596	WT-22-431	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						10
1597	WT-22-431	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					10	
1598	WT-22-431	Blackwater	*Sanguisorba stipulata*	SANGSTI	Sitka burnet	Yellow	No Status	Herb						3
1599	WT-22-431	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						0.1
1600	WT-22-431	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				7	0.1	
1601	WT-22-431	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						5
1602	WT-22-431	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub				0.1		
1603	WT-22-431	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					0.1	
1604	WT-22-431	Blackwater	*Galium boreale*	GALIBOR	northern bedstraw	Yellow	No Status	Herb						0.1
1605	WT-22-431	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						1
1606	WT-22-431	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub		1		1		
1607	WT-22-431	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Herb						1
1608	WT-22-431	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						0.1
1609	WT-22-431	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						0.1
1610	WT-22-431	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1611	WT-22-431	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1612	WT-22-431	Blackwater	*Epilobium ciliatum ssp. ciliatum*	EPILCIL1	purple-leaved willowherb	Yellow	No Status	Herb						0.1
1613	WT-22-510a	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub		50	10			
1614	WT-22-510a	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		10	10			
1615	WT-22-510a	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					5	
1616	WT-22-510a	Blackwater	*Salix discolor*	SALIDIS	pussy willow	Yellow	No Status	Tree or Shrub					10	
1617	WT-22-510a	Blackwater	*Spiraea douglasii var. menziesii*	SPIRDOU3	pink spirea	Yellow	No Status	Tree or Shrub					10	
1618	WT-22-510a	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						1
1619	WT-22-510a	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						30
1620	WT-22-510a	Blackwater	*Fragaria virginiana ssp. platypetala*	FRAGVIR2	wild strawberry	Yellow	No Status	Herb						0.1
1621	WT-22-510a	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						40
1622	WT-22-510a	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						10
1623	WT-22-510a	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						5

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1577	WT-22-			no		no			
1578	WT-22-			no		no			
1579	WT-22-			no		no			
1580	WT-22-338e			no		no			
1581	WT-22-338e			no		no			
1582	WT-22-338e			no		no			
1583	WT-22-338e			no		no			
1584	WT-22-338e			no		no			
1585	WT-22-338e			no		no			
1586	WT-22-338e			no		no			
1587	WT-22-338e			no		no			
1588	WT-22-338e			no		no			
1589	WT-22-338e			no		no			
1590	WT-22-338e			no		no			
1591	WT-22-338e			no		no			
1592	WT-22-431			no		no			
1593	WT-22-431			no		no			
1594	WT-22-431			no		no			
1595	WT-22-431			no		no			
1596	WT-22-431			no		no			
1597	WT-22-431			no		no			
1598	WT-22-431			no		no			
1599	WT-22-431			no		no			
1600	WT-22-431			no		no			
1601	WT-22-431			no		no			
1602	WT-22-431			no		no			
1603	WT-22-431			no		no			
1604	WT-22-431			no		no			
1605	WT-22-431			no		no			
1606	WT-22-431			no		no			
1607	WT-22-431			no		no			
1608	WT-22-431			no		no			
1609	WT-22-431			no		no			
1610	WT-22-431	0.1		no		no			
1611	WT-22-431	0.1		no		no			
1612	WT-22-431			no		no			
1613	WT-22-510a			no		no			
1614	WT-22-510a			no		no			
1615	WT-22-510a			no		no			
1616	WT-22-510a			no		no			
1617	WT-22-510a			no		no			
1618	WT-22-510a			no		no			
1619	WT-22-510a			no		no			
1620	WT-22-510a			no		no			
1621	WT-22-510a			no		no			
1622	WT-22-510a			no		no			
1623	WT-22-510a			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1577	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{47741c94-13de-47ab-9f71-2b3a768bf5f1}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1578	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a702524c-63fb-4a45-8767-067d67234353}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1579	WT-22-	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{73f61770-266e-470d-a503-5ded134845dc}	{9eaa5c06-f425-4068-8dba-034867ef6595}
1580	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{33617e81-930f-427c-b4f7-0589c19a689c}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1581	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c2377d05-7759-4fce-8d28-4a3536796fbf}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1582	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{6b772180-014f-41e4-92af-3de635a81bb6}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1583	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{a5b27799-9930-4eb3-aeab-0e91125c8c21}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1584	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{21f2d7e9-e886-4dc1-972a-045617991a85}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1585	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{95ecbaa3-8a86-4683-a457-ebbeb17ce283}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1586	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{73bb2b03-c111-45cc-8e4c-4ee6d3f3e4ef}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1587	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b6e5a41d-31aa-4061-b61d-2cc3dbaa55e8}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1588	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{be917dfc-1006-4cb4-907d-8c18952ebfd9}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1589	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ce4daa81-f82f-4e86-a1fb-75a507fe2ef7}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1590	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c41c6a09-35aa-4d82-8309-850d48bd2fa1}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1591	WT-22-338e	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{ad69cbe5-b42f-4a20-bd89-e2a20b4de317}	{5692426e-bb8d-48b7-b6ae-ef5f52b53b8a}
1592	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{79c22131-0091-4aa1-b4f2-ca2b87227f6d}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1593	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{67d941dc-02bf-48a5-b3ef-e6d1c673d89b}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1594	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{8d38047b-0260-4366-8278-a596f284607e}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1595	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{c4adc59c-3a98-4a20-94c6-14931a684bdc}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1596	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b4938cf6-e239-46d2-83a1-3884c587082c}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1597	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{506e1d19-31b9-4d60-97fb-490f3fadc761}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1598	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{3b8ad682-328f-4852-ae7b-07d099cd78da}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1599	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e0a18e03-da09-41a4-9db7-f9dadf0f90e9}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1600	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1ac525e8-aa7c-46df-ab1b-c8ed35259cb0}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1601	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{604c5648-f8db-4c6a-930c-58adc98f190c}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1602	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{21a3365c-65c3-4c18-a3d9-2c1ce29d35e0}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1603	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{00c18290-3dad-41ed-bba7-1b4bd0322d48}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1604	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{fb947112-6167-4dbb-921d-1b89af4d5e2f}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1605	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e985ee69-8bbc-46b5-a08c-2d94f6312320}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1606	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{d9d2b66e-6ce8-4495-bb45-68a78a91afc3}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1607	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{bd49f43c-8525-4f43-b286-c8495e81454f}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1608	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{e9192f48-7c19-45a2-99d9-63e2a5b64372}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1609	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{b671a91c-ddae-4abe-a5cb-aa70affc8082}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1610	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{9e0f03cf-291c-4f80-a1ae-72e5d7e6f46f}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1611	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{7170e42c-edbb-422b-845d-2981e14651f6}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1612	WT-22-431	2022-07-29 3:07	Field1_ConsultEcoLogic	2022-07-29 3:07	Field1_ConsultEcoLogic	{1eec38e0-a10a-4f76-96c9-cef9b7c5b3fa}	{ed34b7cb-f3fe-4e6d-8ae6-7cfbdf3b2863}
1613	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{485c71ee-6d60-470c-a18d-733edefc1ca9}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1614	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{3f3ec045-b307-46e1-b633-0fbdbd512818}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1615	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{f6892aaa-2a40-4ced-8bfa-46cfc98f38df}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1616	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{c4271dfe-2115-4096-a9ea-b13478372271}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1617	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{23096df3-2b2a-4faf-a60c-b04f421235ad}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1618	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{e74de04b-ffeb-48f2-8c74-87ccd2c5ad6d}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1619	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{c31a5162-f88f-4d39-bb01-515df8f1c415}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1620	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{8aec7549-c5db-4379-9b32-2a429d6535e8}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1621	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{131a1486-5714-40e8-9e37-ea275cb9967a}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1622	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{5dd0908a-b20e-483e-ba21-665d84fbd8dd}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1623	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{2a7ccbdd-0523-4802-875f-c764aa2afaea}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1624	WT-22-510a	Blackwater	*Viburnum edule*	VIBUEDU	highbush-cranberry	Yellow	No Status	Tree or Shrub					1	
1625	WT-22-510a	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						60
1626	WT-22-510a	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						5
1627	WT-22-510a	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1628	WT-22-510a	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					10	
1629	WT-22-510a	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						20
1630	WT-22-510a	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					0.1	
1631	WT-22-510a	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Herb						10
1632	WT-22-510a	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1633	WT-22-510a	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					15	
1634	WT-22-510a	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					0.1	
1635	WT-22-510a	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						0.1
1636	WT-22-510a	Blackwater	*Carex canescens ssp. disjuncta*	CARECAN4	silvery sedge	Unknown	No Status	Herb						1
1637	WT-22-510a	Blackwater	*Plagiomnium medium*	PLAGMED		Yellow	No Status	Herb						10
1638	WT-22-204	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub			10			
1639	WT-22-204	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		20	15		10	
1640	WT-22-204	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					45	
1641	WT-22-204	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					10	
1642	WT-22-204	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
1643	WT-22-204	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub			5		5	
1644	WT-22-204	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						55
1645	WT-22-204	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						1
1646	WT-22-204	Blackwater	*Salix maccalliana*	SALIMAC	MacCalla's willow	Yellow	No Status	Tree or Shrub					35	
1647	WT-22-204	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1648	WT-22-204	Blackwater	*Vaccinium vitis-idaea ssp. minus*	VACCVIT1	lingonberry	Yellow	No Status	Tree or Shrub					0.1	
1649	WT-22-204	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.1
1650	WT-22-204	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					15	
1651	WT-22-204	Blackwater	*Plagiomnium medium*	PLAGMED		Yellow	No Status	Herb						3
1652	WT-22-204	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						5
1653	WT-22-204	Blackwater	*Stellaria longipes ssp. longipes*	STELLOG7	long-stalked starwort	Yellow	No Status	Herb						0.1
1654	WT-22-423	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						90
1655	WT-22-660	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub		7		5	2	
1656	WT-22-660	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					3	
1657	WT-22-660	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						5
1658	WT-22-660	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						45
1659	WT-22-660	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						1
1660	WT-22-660	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1661	WT-22-660	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1662	WT-22-660	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					2	
1663	WT-22-660	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					0.1	
1664	WT-22-660	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						0.1
1665	WT-22-660	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1666	WT-22-660	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1667	WT-22-660	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					5	
1668	WT-22-660	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.1
1669	WT-22-660	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1670	WT-22-660	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					1	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1624	WT-22-510a			no		no			
1625	WT-22-510a			no		no			
1626	WT-22-510a			no		no			
1627	WT-22-510a	1		no		no			
1628	WT-22-510a			no		no			
1629	WT-22-510a			no		no			
1630	WT-22-510a			no		no			
1631	WT-22-510a			yes		no			
1632	WT-22-510a	20		no		no			
1633	WT-22-510a			no		no			
1634	WT-22-510a			no		no			
1635	WT-22-510a			no		no			
1636	WT-22-510a			no		no			
1637	WT-22-510a			no		no			
1638	WT-22-204			no		no			
1639	WT-22-204			no		no			
1640	WT-22-204			no		no			
1641	WT-22-204			no		no			
1642	WT-22-204			no		no			
1643	WT-22-204			no		no			
1644	WT-22-204			no		no			
1645	WT-22-204			no		no			
1646	WT-22-204			no		no			
1647	WT-22-204	80		no		no			
1648	WT-22-204			no		no			
1649	WT-22-204			no		no			
1650	WT-22-204			no		no			
1651	WT-22-204			no		no			
1652	WT-22-204			no		no			
1653	WT-22-204			no		no			
1654	WT-22-423			no		no			
1655	WT-22-660			no		no			
1656	WT-22-660			no		no			
1657	WT-22-660			no		no			
1658	WT-22-660			no		no			
1659	WT-22-660			no		no			
1660	WT-22-660	7		no		no			
1661	WT-22-660	2		no		no			
1662	WT-22-660			no		no			
1663	WT-22-660			no		no			
1664	WT-22-660			no		no			
1665	WT-22-660			no		no			
1666	WT-22-660			no		no			
1667	WT-22-660			no		no			
1668	WT-22-660			no		no			
1669	WT-22-660	0.1		no		no			
1670	WT-22-660			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1624	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{0bf2451a-f7a0-40b7-a4d8-85466756daea}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1625	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{98cb007d-1812-4ded-83d8-a4e4971189fa}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1626	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{558b8517-d644-4ffc-86d6-e7301d9dc0f6}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1627	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{65d98937-e254-4e1c-bbfa-a2ce1571ea47}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1628	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{c8dbfbd3-a707-46fe-a5f9-1f74c7e6c4d0}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1629	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{1848b1c4-09a2-4e38-ac44-6a4b5b1099b9}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1630	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{9a7189e8-cee2-415f-b917-ee3e06d9e69f}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1631	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{8faa2d1c-2d34-4f1c-a48f-6842ff3700f4}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1632	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{043a7d6c-2b3b-4ba1-aa68-6d771e034a5f}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1633	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{a3ecad84-b1ee-4852-bf93-ef03b9689120}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1634	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{93510c77-b391-4a64-8cff-c22ba6ae1df5}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1635	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{f07a406f-6fe8-4a5b-80b5-370160fa164d}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1636	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{f22c2282-2d51-44ce-bc52-35550df081e0}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1637	WT-22-510a	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{a22a1575-9247-4910-af6b-fbe5a9f5b0ea}	{de7f93da-4122-4a8d-84b4-2482eaabd4b1}
1638	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{e7338dd7-4798-409a-84b6-96c4f548d585}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1639	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{ea023cbc-fadd-4d6a-aab2-5ec57465895a}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1640	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{6bb0ff14-5d59-4604-b4fb-ffc60d5aed6b}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1641	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{47b2ff90-3fe4-4b11-bd7b-91efbdf1f088}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1642	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{f73283ea-0bf7-45c6-955d-f2931dd3089e}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1643	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{3725fa98-0474-450f-be7b-d00a4e342b85}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1644	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{7388527f-edb4-4259-8d15-fd6213def0f9}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1645	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{1a2b1c15-1caa-43b2-8dbc-d30ac1fc0b3f}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1646	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{698325e9-6bfb-473b-9cc7-c98293521547}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1647	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{64493178-9a89-4c19-a75e-85673bdefcd0}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1648	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{b3db6b5d-0a2f-42f0-94db-925d7aa1a5ca}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1649	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{642e8106-915b-4d87-8ecb-7786ddfc2eb4}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1650	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{4ee4ceb6-d297-4247-b9c2-6a1ae46a7199}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1651	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{4e462e37-fb4d-4e25-9024-969a6799d25f}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1652	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{91e706a0-e444-4cef-9893-5500cb361420}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1653	WT-22-204	2022-07-30 4:10	Field1_ConsultEcoLogic	2022-07-30 4:10	Field1_ConsultEcoLogic	{58f293e9-ad9c-46a9-aa4a-8583edb6609a}	{1e2c6ba1-5dad-40c5-b7a7-6fa6f53b91f3}
1654	WT-22-423	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{59c727aa-2d3b-4f6d-aaf3-d12912263d97}	{86562b36-15b9-471c-96ee-d1fc73399243}
1655	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{85a807aa-88cf-42f5-9854-c406974ed828}	{6f8b88b1-2048-4123-96db-26364002cc29}
1656	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{6114e689-6d83-4130-b033-a564e3019fc8}	{6f8b88b1-2048-4123-96db-26364002cc29}
1657	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{5f367421-4593-4cb2-bb40-7785ef03c435}	{6f8b88b1-2048-4123-96db-26364002cc29}
1658	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{bc68a890-ef1c-4e7d-a8bb-e816ca607689}	{6f8b88b1-2048-4123-96db-26364002cc29}
1659	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{eaa52cef-364b-4c8d-ac83-3784b05f6230}	{6f8b88b1-2048-4123-96db-26364002cc29}
1660	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{f5d7caee-8ec1-4491-bdce-6830936fceb2}	{6f8b88b1-2048-4123-96db-26364002cc29}
1661	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{2e1ade80-7c16-4b76-9929-55e7305e882d}	{6f8b88b1-2048-4123-96db-26364002cc29}
1662	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{680b1d7b-75da-451a-a0c8-8cc3acd6bfe9}	{6f8b88b1-2048-4123-96db-26364002cc29}
1663	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{979a8301-8c1d-40cd-acb0-7cd1939abb0a}	{6f8b88b1-2048-4123-96db-26364002cc29}
1664	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{9fc2f5ed-b585-4692-85e6-3a7dd3964b45}	{6f8b88b1-2048-4123-96db-26364002cc29}
1665	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{d31fbba3-c0bd-489d-a546-319cc62d459f}	{6f8b88b1-2048-4123-96db-26364002cc29}
1666	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{f18e1f32-22de-4dcb-b590-ac17d61ea89e}	{6f8b88b1-2048-4123-96db-26364002cc29}
1667	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{87138202-bc99-41ef-a04c-1faaef4a9675}	{6f8b88b1-2048-4123-96db-26364002cc29}
1668	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{1261491a-39d7-492c-99b5-842455a19c9d}	{6f8b88b1-2048-4123-96db-26364002cc29}
1669	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{184fe148-072a-4bd1-aa11-008d653f191f}	{6f8b88b1-2048-4123-96db-26364002cc29}
1670	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{84efb945-8b83-4f95-9033-264ba5813ee8}	{6f8b88b1-2048-4123-96db-26364002cc29}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1671	WT-22-660	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.1
1672	WT-22-660	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Herb						0.1
1673	WT-22-660	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1674	WT-22-660	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						0.1
1675	WT-22-660	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub					0.1	
1676	WT-22-660	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub					0.1	
1677	WT-22-660	Blackwater	*Equisetum scirpoides*	EQUISCI	dwarf scouring-rush	Yellow	No Status	Herb						
1678	WT-22-660	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1679	WT-22-422	Blackwater	*Equisetum variegatum ssp. variegatum*	EQUIVAR4	northern scouring-rush	Yellow	No Status	Herb						7
1680	WT-22-422	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						75
1681	WT-22-422	Blackwater	*Potamogeton species*	POTAMOG	Potamogeton species	none	none	Herb						5
1682	WT-22-458	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1683	WT-22-458	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1684	WT-22-458	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1685	WT-22-458	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1686	WT-22-458	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1687	WT-22-458	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						
1688	WT-22-458	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1689	WT-22-458	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1690	WT-22-458	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1691	WT-22-458	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						
1692	WT-22-458	Blackwater	*Fragaria virginiana ssp. glauca*	FRAGVIR1	wild strawberry	Yellow	No Status	Herb						
1693	WT-22-458	Blackwater	*Rubus pubescens*	RUBUPUB	dwarf red raspberry	Yellow	No Status	Tree or Shrub						
1694	WT-22-458	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1695	WT-22-458	Blackwater	*Galium boreale*	GALIBOR	northern bedstraw	Yellow	No Status	Herb						
1696	WT-22-458	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1697	WT-22-458	Blackwater	*Carex macloviana*	CAREMAL	Falkland Island sedge	Yellow	No Status	Herb						
1698	WT-22-429	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						70
1699	WT-22-429	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						15
1700	WT-22-429	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						1
1701	WT-22-429	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						3
1702	WT-22-429	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1703	WT-22-429	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						0.1
1704	WT-22-429	Blackwater	*Potamogeton gramineus*	POTAGRA	grass-leaved pondweed	Yellow	No Status	Herb						2
1705	WT-22-430	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1706	WT-22-430	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1707	WT-22-430	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						
1708	WT-22-430	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1709	WT-22-430	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1710	WT-22-430	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1711	WT-22-430	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
1712	WT-22-430	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1713	WT-22-430	Blackwater	*Nephroma species*	NEPHROM	Nephroma species	none	none	Moss or Lichen						
1714	WT-22-430	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1715	WT-22-465	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1716	WT-22-465	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1717	WT-22-465	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1671	WT-22-660			no		no			
1672	WT-22-660			no		no			
1673	WT-22-660	1		no		no			
1674	WT-22-660			no		no			
1675	WT-22-660			no		no			
1676	WT-22-660			no		no			
1677	WT-22-660			no		no			
1678	WT-22-660		3	no		no			
1679	WT-22-422			no		no			
1680	WT-22-422			no		no			
1681	WT-22-422			no		no			
1682	WT-22-458			no		no			
1683	WT-22-458			no		no			
1684	WT-22-458			no		no			
1685	WT-22-458			no		no			
1686	WT-22-458			no		no			
1687	WT-22-458			no		no			
1688	WT-22-458			no		no			
1689	WT-22-458			no		no			
1690	WT-22-458			no		no			
1691	WT-22-458			no		no			
1692	WT-22-458			no		no			
1693	WT-22-458			no		no			
1694	WT-22-458			no		no			
1695	WT-22-458			no		no			
1696	WT-22-458			no		no			
1697	WT-22-458			no		no			
1698	WT-22-429			no		no			
1699	WT-22-429			no		no			
1700	WT-22-429			no		no			
1701	WT-22-429			no		no			
1702	WT-22-429	15		no		no			
1703	WT-22-429			no		no			
1704	WT-22-429			no		no			
1705	WT-22-430			no		no			
1706	WT-22-430			no		no			
1707	WT-22-430			no		no			
1708	WT-22-430			no		no			
1709	WT-22-430			no		no			
1710	WT-22-430			no		no			
1711	WT-22-430			no		no			
1712	WT-22-430			no		no			
1713	WT-22-430			no		no			
1714	WT-22-430			no		no			
1715	WT-22-465			no		no			
1716	WT-22-465			no		no			
1717	WT-22-465			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1671	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{1c0ec2ae-aaa7-4894-90fe-caaff77f037a}	{6f8b88b1-2048-4123-96db-26364002cc29}
1672	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{fa1b3358-94ff-4d67-af2e-8e32d92b4d2d}	{6f8b88b1-2048-4123-96db-26364002cc29}
1673	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{244b99c2-4e10-41c2-8cc8-55be485ab5b7}	{6f8b88b1-2048-4123-96db-26364002cc29}
1674	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{fb5de115-3585-4c47-aa24-8bb175b93c1a}	{6f8b88b1-2048-4123-96db-26364002cc29}
1675	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{82dfd05f-c1b7-4258-a258-7f00a70b4026}	{6f8b88b1-2048-4123-96db-26364002cc29}
1676	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{70db1d87-677d-4785-a050-b9b5e66ef2c1}	{6f8b88b1-2048-4123-96db-26364002cc29}
1677	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{1f25a2ed-89b4-4b69-8c98-bcc459c6a600}	{6f8b88b1-2048-4123-96db-26364002cc29}
1678	WT-22-660	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{c1cfbe1a-3343-49b8-aee0-47073b6b790f}	{6f8b88b1-2048-4123-96db-26364002cc29}
1679	WT-22-422	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{9ce38bcf-d3cb-46ab-8a3a-e0b652dc2187}	{d57692c8-3301-4f74-8c70-203a40ea48f6}
1680	WT-22-422	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{2e202e12-8da3-40da-a985-d8c3da5e4782}	{d57692c8-3301-4f74-8c70-203a40ea48f6}
1681	WT-22-422	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{96d5342d-dca1-4735-95bf-60ab25a09546}	{d57692c8-3301-4f74-8c70-203a40ea48f6}
1682	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{deebd07d-16b0-45ac-b664-9056c37e1add}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1683	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{cfa0820e-2d3c-4856-99e8-2666e8dbd0ed}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1684	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{af794853-fa43-4a80-ac35-5a1d9143cb27}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1685	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{b3a8725e-d554-429c-9c93-53db37616b05}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1686	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{06e8a37f-e865-4e07-b9b8-e189c4df4c97}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1687	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{2e88a819-1f19-4c09-9f68-e2b213449178}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1688	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{c8d7f116-17d2-4e8f-926a-d9d668319c3d}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1689	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{6148dec8-0bea-475d-b3f2-4612cea2ad0b}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1690	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{c26d76a6-6c83-4b65-9612-7e6258bb1cba}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1691	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{32c2aec6-b25f-46c3-81cf-4515d634ff19}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1692	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{7bdd5b71-88a9-4d71-8d8d-34498918a7d7}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1693	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{5376b339-7176-42d2-8dfd-fd5ffaaeaca9}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1694	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{5f8140cf-5530-46e7-a87e-10d99c5dfd86}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1695	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{2da1f44f-5967-4534-9695-cc3975baba29}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1696	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{1817ebb4-3cbc-464f-918e-28e3eab5c3a6}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1697	WT-22-458	2022-07-30 4:38	Field1_ConsultEcoLogic	2022-07-30 4:38	Field1_ConsultEcoLogic	{99beecbd-6d50-4fc8-bc07-5f00123cd863}	{21368bf7-a571-4ace-aa16-200f3e45fc39}
1698	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{fd2b7660-d700-47ce-a80c-a179504ce201}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1699	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{df1f7551-8d32-49ce-921f-93b87eda250a}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1700	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{63ad89b0-2e53-4f03-8f48-9e4aa381fa32}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1701	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{77ede650-473d-4c3c-8d8c-b221aae762ec}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1702	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{a87d0889-dfd8-4503-93ff-29c859cfbb82}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1703	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{d08ad0cb-8a36-42a8-a725-845c2102b7f3}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1704	WT-22-429	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{6af018b7-1532-453e-81ae-923d4779385d}	{4a1bff94-ae08-4cca-bf73-8564a92cfa31}
1705	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{7e6e66f8-b9d8-4d0f-aea9-8e0af9fdbabc}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1706	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{f03caf89-53ce-472d-832a-377ac58cd000}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1707	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{206bd5c8-a758-45f1-a3df-cc70de97f5db}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1708	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{0fe089a8-edda-4d6c-9dea-e22db0a485c5}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1709	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{1bc100a2-691d-48c5-89cf-90d6b20bbe03}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1710	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{30305782-22e7-41dc-9157-f3ab6c5544a2}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1711	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{2094097a-60f9-4305-9851-1682bac041a0}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1712	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{d9bf5f22-b2f9-4317-99d2-9fbcd8211e23}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1713	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{b369e47a-81f3-45da-a594-b6ebb4882741}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1714	WT-22-430	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{c3026db7-eb83-4393-995b-4bfd40791bdf}	{997a8431-4bcb-4c98-8bc7-e46c6de27130}
1715	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{f4d372b6-f05b-4f9e-8a5e-349a1d25067e}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1716	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{0e1d8959-7ff8-43ad-9f57-8fecd9afb3e5}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1717	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{97026a30-5ca1-4c64-91fb-7788afdbb261}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1718	WT-22-465	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1719	WT-22-465	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1720	WT-22-465	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1721	WT-22-465	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub						
1722	WT-22-465	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
1723	WT-22-465	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
1724	WT-22-465	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1725	WT-22-465	Blackwater	*Erythranthe guttata*	ERYTGUT	yellow monkey-flower	Yellow	No Status	Herb						
1726	WT-22-465	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1727	WT-22-531	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						
1728	WT-22-531	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1729	WT-22-531	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						
1730	WT-22-531	Blackwater	*Salix candida*	SALICAN	sage willow	Yellow	No Status	Tree or Shrub						
1731	WT-22-531	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub						
1732	WT-22-531	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub						
1733	WT-22-531	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						
1734	WT-22-531	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
1735	WT-22-531	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1736	WT-22-531	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1737	WT-22-531	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						
1738	WT-22-531	Blackwater	*Erythranthe guttata*	ERYTGUT	yellow monkey-flower	Yellow	No Status	Herb						
1739	WT-22-531	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						
1740	WT-22-531	Blackwater	*Salix myrtillifolia*	SALIMYR	bilberry willow	Yellow	No Status	Tree or Shrub						
1741	WT-22-531	Blackwater	*Dactylorhiza viridis*	DACTVIR	long-bracted frog orchid	Yellow	No Status	Herb						
1742	WT-22-534	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1743	WT-22-534	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub						
1744	WT-22-534	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1745	WT-22-534	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1746	WT-22-534	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1747	WT-22-534	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1748	WT-22-534	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1749	WT-22-534	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1750	WT-22-534	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						
1751	WT-22-534	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1752	WT-22-534	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1753	WT-22-534	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1754	WT-22-534	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1755	WT-22-534	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						
1756	WT-22-534	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1757	WT-22-534	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub						
1758	WT-22-534	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						
1759	WT-22-333	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				7	15	
1760	WT-22-333	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub					1	
1761	WT-22-333	Blackwater	*Viburnum edule*	VIBUEDU	highbush-cranberry	Yellow	No Status	Tree or Shrub						
1762	WT-22-333	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						1
1763	WT-22-333	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						3
1764	WT-22-333	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						65

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1718	WT-22-465			no		no			
1719	WT-22-465			no		no			
1720	WT-22-465			no		no			
1721	WT-22-465			no		no			
1722	WT-22-465			no		no			
1723	WT-22-465			no		no			
1724	WT-22-465			no		no			
1725	WT-22-465			no		no			
1726	WT-22-465			no		no			
1727	WT-22-531			no		no			
1728	WT-22-531			no		no			
1729	WT-22-531			no		no			
1730	WT-22-531			no		no			
1731	WT-22-531			no		no			
1732	WT-22-531			no		no			
1733	WT-22-531			no		no			
1734	WT-22-531			no		no			
1735	WT-22-531			no		no			
1736	WT-22-531			no		no			
1737	WT-22-531			no		no			
1738	WT-22-531			no		no			
1739	WT-22-531			no		no			
1740	WT-22-531			no		no			
1741	WT-22-531			no		no			
1742	WT-22-534			no		no			
1743	WT-22-534			no		no			
1744	WT-22-534			no		no			
1745	WT-22-534			no		no			
1746	WT-22-534			no		no			
1747	WT-22-534			no		no			
1748	WT-22-534			no		no			
1749	WT-22-534			no		no			
1750	WT-22-534			no		no			
1751	WT-22-534			no		no			
1752	WT-22-534			no		no			
1753	WT-22-534			no		no			
1754	WT-22-534			no		no			
1755	WT-22-534			no		no			
1756	WT-22-534			no		no			Might be different here and around. Just noticed lack of rust coloured
1757	WT-22-534			no		no			
1758	WT-22-534			no		no			
1759	WT-22-333			no		no			
1760	WT-22-333			no		no			
1761	WT-22-333			no		no			
1762	WT-22-333			no		no			
1763	WT-22-333			no		no			
1764	WT-22-333			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1718	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{10e2777c-10a5-4884-a1b8-1a3f454e6071}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1719	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{1ab9a1a9-fc41-48a6-a432-fdc128bf7a9d}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1720	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{3cf14389-52af-42c9-9545-4abbfadaa7a8}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1721	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{ff4aed57-7c30-4e87-adf5-f45b9952e8cf}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1722	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{3d26dd77-b1dd-4b4d-9ca4-d7c8612667e8}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1723	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{4c2bd649-b838-4ea1-be5d-8b58672678c2}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1724	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{783f3196-e26d-47fa-8870-bda9108bd66f}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1725	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{fdc88447-de2a-4a1d-8016-b310283993c5}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1726	WT-22-465	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{bb4dcae6-30a6-4497-b757-63db015ddd85}	{312d9229-1c62-4efb-8bfa-cb9fa5a4e452}
1727	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{2289ff50-d4aa-4701-be1c-30238b802440}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1728	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{6c6a7c42-d8cc-43ec-a0b6-b42ac830057e}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1729	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{c39d955d-2dfb-487b-bf94-7960214b7dd0}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1730	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{72e78896-2146-4d60-b7a6-26c8d377733f}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1731	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{14e8b7b2-81fc-4817-bbc7-d98506284651}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1732	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{c466ecf8-dc32-4701-a3b3-150a47bc73e3}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1733	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{b75e5490-c073-4e31-833f-8e63835a353c}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1734	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{1ce9dd1d-5185-4464-905f-39ea2b88e02a}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1735	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{a4591552-9c84-4546-98e1-4c8e7f3052e7}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1736	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{599956c6-b17b-4364-94b7-8c7bcf67dfe2}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1737	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{6c372d5e-ad20-4171-a755-e39202b04014}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1738	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{21ad2713-2110-482e-91c9-413fa0e14ab8}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1739	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{198eb36b-ce8b-4169-aeb2-8a3ea4475010}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1740	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{b3714ceb-3173-4c12-a0af-3cabd6655add}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1741	WT-22-531	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{e3b61627-e250-4481-8050-c6d2083a1184}	{34c48905-cac3-4186-a0e4-8db378dd2764}
1742	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{f26e8c9e-2df7-4860-85b6-d94fc5417f26}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1743	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{873d28c1-53d5-4b66-8af8-a17e3f9d92c0}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1744	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{9aa517d8-0129-4742-a92b-e19e03aabb17}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1745	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{4786adbf-8ba6-4c25-9fbb-60d094d140ba}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1746	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{374bc661-d900-4c86-b792-ba26cd75de08}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1747	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{37f13733-b633-4cd2-b7a8-a9aa62c07405}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1748	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{b2ab1235-b48b-4dfa-9ddf-1f3f8c9698a9}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1749	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{ea4741fd-ef38-41b8-b5f9-15fdbe0ad06c}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1750	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{f0611130-3951-419a-9b44-d4de699be27f}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1751	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{0711753f-7be4-48bc-8f27-45a6357a3638}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1752	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{0f283b3b-1bab-406c-ba09-4258b4bf8483}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1753	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{a6d30b7f-238d-4d39-9927-fa575f06b36c}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1754	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{c0273522-645c-4868-b95e-278ed2814861}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1755	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{8e6d8a2d-680b-4fdf-9eae-9472dbb04811}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1756	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{fcdfa023-29b7-4f8f-9b66-5e397ab44614}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1757	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{e4ac5ab5-5fcb-4d11-98e8-1278769972a0}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1758	WT-22-534	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{ef32b312-7671-4873-b780-7915099823f8}	{d755489a-4924-41d2-94f7-7a5abf60ed87}
1759	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{8bd86f7d-56d9-4223-84ea-e2afec0c1919}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1760	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{b2950dde-285b-4ac6-b52f-9b7d6b30bed3}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1761	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{b15ea10f-fdd8-466c-9b68-6322dfde64cd}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1762	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{1118c137-b596-484c-89b9-6f07e506cc4c}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1763	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{bbb4bff8-f54c-4ef4-a281-0ea552b1bc70}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1764	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{e11a5854-5973-4eba-b3f1-5539e629cc2e}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1765	WT-22-333	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1766	WT-22-333	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1767	WT-22-333	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					1	
1768	WT-22-333	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1769	WT-22-333	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1770	WT-22-333	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					0.1	
1771	WT-22-333	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						0.1
1772	WT-22-333	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					0.1	
1773	WT-22-333	Blackwater	*Ranunculus species*	RANUNCU	Ranunculus species	none	none	Herb						0.1
1774	WT-22-333	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.1
1775	WT-22-333	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						0.1
1776	WT-22-535	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub				1	0.1	
1777	WT-22-535	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		0.1				
1778	WT-22-535	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					30	
1779	WT-22-535	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub					5	
1780	WT-22-535	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						20
1781	WT-22-535	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						7
1782	WT-22-535	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						7
1783	WT-22-535	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1784	WT-22-535	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					3	
1785	WT-22-535	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					0.1	
1786	WT-22-535	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1787	WT-22-535	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						1
1788	WT-22-535	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.1
1789	WT-22-535	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1790	WT-22-535	Blackwater	*Ranunculus species*	RANUNCU	Ranunculus species	none	none	Herb						0.1
1791	WT-22-535	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				2		
1792	WT-22-535	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				0.1	0.1	
1793	WT-22-535	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						0.1
1794	WT-22-533	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1795	WT-22-533	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1796	WT-22-533	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1797	WT-22-533	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1798	WT-22-533	Blackwater	*Eriophorum chamissonis var. albidum*	ERIOCHA4	Chamisso's cotton-grass	Unknown	No Status	Herb						
1799	WT-22-533	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
1800	WT-22-533	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub						
1801	WT-22-533	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1802	WT-22-533	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1803	WT-22-533	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub						
1804	WT-22-533	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1805	WT-22-533	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						
1806	WT-22-533	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub						
1807	WT-22-533	Blackwater	*Castilleja miniata var. miniata*	CASTMIN1	scarlet paintbrush	Yellow	No Status	Herb						
1808	WT-22-533	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1809	WT-22-533	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb						
1810	WT-22-674	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1811	WT-22-674	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1765	WT-22-333			no		no			
1766	WT-22-333	2		no		no			
1767	WT-22-333			no		no			
1768	WT-22-333	0.1		no		no			
1769	WT-22-333	0.1		no		no			
1770	WT-22-333			no		no			
1771	WT-22-333			no		no			
1772	WT-22-333			no		no			
1773	WT-22-333			no		no			
1774	WT-22-333			no		no			
1775	WT-22-333			no		no			
1776	WT-22-535			no		no			
1777	WT-22-535			no		no			
1778	WT-22-535			no		no			
1779	WT-22-535			no		no			
1780	WT-22-535			no		no			
1781	WT-22-535			no		no			
1782	WT-22-535			no		no			
1783	WT-22-535	20		no		no			
1784	WT-22-535			no		no			
1785	WT-22-535			no		no			
1786	WT-22-535	0.1		no		no			
1787	WT-22-535			no		no			
1788	WT-22-535			no		no			
1789	WT-22-535		0.1	no		no			
1790	WT-22-535			no		no			
1791	WT-22-535			no		no			
1792	WT-22-535			no		no			
1793	WT-22-535			no		no			
1794	WT-22-533			no		no			
1795	WT-22-533			no		no			
1796	WT-22-533			no		no			
1797	WT-22-533			no		no			
1798	WT-22-533			no		no			
1799	WT-22-533			no		no			
1800	WT-22-533			no		no			
1801	WT-22-533			no		no			
1802	WT-22-533			no		no			
1803	WT-22-533			no		no			
1804	WT-22-533			no		no			
1805	WT-22-533			no		no			
1806	WT-22-533			no		no			
1807	WT-22-533			no		no			
1808	WT-22-533			no		no			
1809	WT-22-533			no		no			
1810	WT-22-674			no		no			
1811	WT-22-674			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1765	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{d0c86884-ed53-4ddf-b987-96ac717d1507}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1766	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{4db4994f-4495-446d-926e-c9af8d8f605b}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1767	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{e5833f13-d92c-4fb0-a9fc-09564f2bf73c}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1768	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{7ea172a3-234e-41a4-b79a-61dc3e779644}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1769	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{52b4547c-2365-447b-8ca4-64b240d8128a}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1770	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{2363ab49-3224-4bf1-a591-61a43b798de8}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1771	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{bfec7f34-d1d3-40d2-aa59-85c57605a781}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1772	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{68a67ef1-cc76-4c65-8117-ffcb974373d9}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1773	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{9e864fe7-661e-450e-aec6-8f884148f577}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1774	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{30c1ddb5-c4e2-4881-b318-4f1232492237}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1775	WT-22-333	2022-07-30 4:39	Field1_ConsultEcoLogic	2022-07-30 4:39	Field1_ConsultEcoLogic	{bdad687e-bd26-41ec-9e46-99a072c70f53}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1776	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{7c327275-866b-4a78-8109-968d4605f92e}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1777	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{a76bb640-d29e-4706-9a73-463904217651}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1778	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{79c12413-5d7b-4c7c-b7d8-ad6792b216c0}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1779	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{ca426b0b-3ca4-4732-be9f-293bf7025764}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1780	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{fca50bfc-d587-4d18-a2ae-e9c32c6ad01d}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1781	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{9ce63ac7-3431-4078-8701-5016708fcfcc}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1782	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{1e2ec774-dd42-4c40-b0eb-afdd95e4dc46}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1783	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{78266899-0db3-4e7f-aa4e-5e0f55945a66}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1784	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{3da1531f-19a0-4374-89e3-d5023f0ebfcb}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1785	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{cafb8bc2-3af8-448e-a8da-fbdb10010185}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1786	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{302eaea9-b033-43e7-8724-a0c868bfd2a2}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1787	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{6dc7e178-7566-4a90-ba1c-9693a1575390}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1788	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{8521b958-e6f5-4889-a8ab-79771ca12469}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1789	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{154a45eb-add3-4890-972e-42a58c754c21}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1790	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{cf031b84-2d7f-4d2f-b4e7-56d3a06a6824}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1791	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{13f4449e-0f97-48af-b9ac-6313ad67ed2c}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1792	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{eaa1bc59-4c51-4185-9821-6496c3319e22}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1793	WT-22-535	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{209370d8-44fd-4cf8-9731-01e2b41b7719}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1794	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{585659b1-7a6d-4a53-b6a9-a6adf551d666}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1795	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{6b8f3e14-186a-4650-8ce7-b1f3e36818c6}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1796	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{a5e720bd-e365-4528-8182-a10efe1591b4}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1797	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{cd32a965-438f-4936-bce9-fc90bc12185f}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1798	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{593493ca-b807-4a76-86c2-f6203f4636ff}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1799	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{822bbebe-85c1-4335-a15f-5e50254a1c9e}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1800	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{cf4408e5-8873-457c-aad6-ea729b6d7fd7}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1801	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{1f3d2d4f-4ecb-40f4-be50-8f2cd32d8436}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1802	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{151db1e3-9f33-44b4-bd74-ece6251f2314}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1803	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{f6a46d5f-a09a-43d6-9c3f-5115c6a304e6}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1804	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{4d199452-0f9d-4d5a-8792-bd7bec95e989}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1805	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{2d8b60fc-4a23-45ba-a6cb-50cb4d840faa}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1806	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{43e597fe-0b9b-4d93-9909-d6cc6675d3fe}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1807	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{ae837cf2-bf07-462d-b7f4-06f3819e8794}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1808	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{26032679-c85c-4041-9cf8-1d72befa8d45}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1809	WT-22-533	2022-07-30 4:40	Field1_ConsultEcoLogic	2022-07-30 4:40	Field1_ConsultEcoLogic	{1700334f-dab2-4851-bcfa-1f8835294cb3}	{ea7113ef-cd97-4fa4-b936-eadc8929ad8f}
1810	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{d3a66380-af8a-464b-801e-88860e31faf6}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1811	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{93b5767b-1fea-404c-9c87-1acfb05984a7}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1812	WT-22-674	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1813	WT-22-674	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1814	WT-22-674	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1815	WT-22-674	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1816	WT-22-674	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1817	WT-22-674	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
1818	WT-22-674	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
1819	WT-22-674	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1820	WT-22-674	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						
1821	WT-22-540	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						
1822	WT-22-540	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1823	WT-22-428	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1824	WT-22-428	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1825	WT-22-428	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						
1826	WT-22-428	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1827	WT-22-428	Blackwater	*Heracleum maximum*	HERAMAX	cow-parsnip	Yellow	No Status	Herb						
1828	WT-22-428	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						
1829	WT-22-428	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1830	WT-22-428	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1831	WT-22-428	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1832	WT-22-428	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1833	WT-22-428	Blackwater	*Ribes triste*	RIBETRI	red swamp currant	Yellow	No Status	Tree or Shrub						
1834	WT-22-428	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						
1835	WT-22-428	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub						
1836	WT-22-202	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		15	10	3	2	
1837	WT-22-202	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						40
1838	WT-22-202	Blackwater	*Cornus unalaschkensis*	CORNUNA	Alaskan bunchberry	Yellow	No Status	Herb						5
1839	WT-22-202	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					10	
1840	WT-22-202	Blackwater	*Salix species*	SALIX	Salix species	none	none	Tree or Shrub				2	3	
1841	WT-22-202	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						1
1842	WT-22-202	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1843	WT-22-202	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1844	WT-22-202	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						15
1845	WT-22-202	Blackwater	*Petasites frigidus var. frigidus*	PETAFRI1	sweet coltsfoot	Yellow	No Status	Herb						2
1846	WT-22-202	Blackwater	*Viburnum edule*	VIBUEDU	highbush-cranberry	Yellow	No Status	Tree or Shrub					2	
1847	WT-22-202	Blackwater	*Galium triflorum*	GALITRF	sweet-scented bedstraw	Yellow	No Status	Herb						2
1848	WT-22-202	Blackwater	*Viola palustris*	VIOLPAL	marsh violet	Yellow	No Status	Herb						3
1849	WT-22-202	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						2
1850	WT-22-202	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					1	
1851	WT-22-202	Blackwater	*Prosartes hookeri*	PROSHOO	Hooker's fairybells	Yellow	No Status	Herb						3
1852	WT-22-202	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					5	
1853	WT-22-202	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
1855	WT-22-202	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						1
1856	WT-22-202	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					1	
1857	WT-22-202	Blackwater	*Veronica beccabunga var. americana*	VEROBEC1	American speedwell	Yellow	No Status	Herb						2
1858	WT-22-202	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1859	WT-22-202	Blackwater	*Plagiomnium cuspidatum*	PLAGCUS		Yellow	No Status	Moss or Lichen						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1812	WT-22-674			no		no			
1813	WT-22-674			no		no			
1814	WT-22-674			no		no			
1815	WT-22-674			no		no			
1816	WT-22-674			no		no			
1817	WT-22-674			no		no			
1818	WT-22-674			no		no			
1819	WT-22-674			no		no			
1820	WT-22-674			no		no			
1821	WT-22-540			no		no			
1822	WT-22-540			no		no			
1823	WT-22-428			no		no			
1824	WT-22-428			no		no			
1825	WT-22-428			no		no			
1826	WT-22-428			no		no			
1827	WT-22-428			no		no			
1828	WT-22-428			no		no			
1829	WT-22-428			no		no			
1830	WT-22-428			no		no			
1831	WT-22-428			no		no			
1832	WT-22-428			no		no			
1833	WT-22-428			no		no			
1834	WT-22-428			no		no			
1835	WT-22-428			no		no			
1836	WT-22-202			no		no			
1837	WT-22-202			no		no			
1838	WT-22-202			no		no			
1839	WT-22-202			no		no			
1840	WT-22-202			no		no			
1841	WT-22-202			no		no			
1842	WT-22-202	15		no		no			
1843	WT-22-202	20		no		no			
1844	WT-22-202			no		no			
1845	WT-22-202			no		no			
1846	WT-22-202			no		no			
1847	WT-22-202			no		no			
1848	WT-22-202			no		no			
1849	WT-22-202			no		no			
1850	WT-22-202			no		no			
1851	WT-22-202			no		no			
1852	WT-22-202			no		no			
1853	WT-22-202	20		no		no			
1855	WT-22-202			no		no			
1856	WT-22-202			no		no			
1857	WT-22-202			no		no			
1858	WT-22-202	5		no		no			
1859	WT-22-202	10		no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1812	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{92cb3258-9d27-49a3-a50b-c980e4646c3b}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1813	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{9b9153ff-0f29-4b85-9b4c-cef866288b18}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1814	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{ba85fe42-0f02-4e3e-b84f-d4aaf288dca1}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1815	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{b797ccb3-931b-452d-ab26-09e6365f81b0}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1816	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{de3d8317-16c2-406a-badd-9436a887d225}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1817	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{fa53fc7e-526e-495c-9b1b-7828cc3170a0}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1818	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{a8b76539-6f4b-4b4a-892a-b02fe0fcdc8e}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1819	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{f296c899-2a04-4717-a2fa-e5acaf167f3e}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1820	WT-22-674	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{a6cdf5da-1faf-440e-9c67-edffd91d4727}	{81d99893-13a4-492c-b8ce-86901dd9cd4e}
1821	WT-22-540	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{b4780ce5-c310-4948-9e65-310bec0905bb}	{2f4f47cd-bc7b-4587-88e2-0a9865051566}
1822	WT-22-540	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{7710593f-c372-4208-b9ec-7673c997f911}	{2f4f47cd-bc7b-4587-88e2-0a9865051566}
1823	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{6fe80a7c-f9fd-4876-b0bc-870dc617d2e7}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1824	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{b7cdcc3e-6646-4149-9187-d75fdd8f6575}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1825	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{e9a8c3cc-26fb-48fb-9196-ea5cc2cefb1a}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1826	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{b4cfa5cd-53a1-45d6-bffd-eacd075fa42c}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1827	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{b976e71a-c4bc-4e16-9291-e3c0afd6852f}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1828	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{70ee8e2e-994d-4699-9101-276f888a678d}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1829	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{a54b141f-7657-4050-a8b7-4ad90a36c75b}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1830	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{4bf44418-7653-4cc9-b82d-105e990e2407}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1831	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{3e8c2606-af1c-4778-a915-41ca4e6f955b}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1832	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{668ee837-d0e0-4e51-ae25-9fa4a738fa60}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1833	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{dcc9e4e1-c1e2-416f-b970-fd1b0c116642}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1834	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{7d72243f-6fea-44e4-a90d-37af1c7ec6ec}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1835	WT-22-428	2022-07-30 4:41	Field1_ConsultEcoLogic	2022-07-30 4:41	Field1_ConsultEcoLogic	{abb80ff6-18f3-407e-b0b4-6a6f2a9f5be1}	{e0ee0964-f008-43a0-92d0-981c9470cb12}
1836	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{7fc6b512-6359-4da2-b923-1c0b0b5cf310}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1837	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{70ae8c55-6899-4deb-9960-0682626ab8b6}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1838	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{6cee7c82-48ee-4505-99bc-91caba5ec43c}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1839	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{b7d4879f-098c-4ff3-9fbc-10bd6f7ed817}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1840	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{a2cc0b35-08d4-4cbd-b69f-6a857864bd45}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1841	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{77049a7c-187e-4d24-947f-e20d25c4b585}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1842	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{6c050c1f-007d-4a27-a574-a5b122c193e4}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1843	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{fb639b7a-9610-454d-8135-b8ed0ed9d156}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1844	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{cdcc1d16-4925-4aa2-a0b4-71501d3bf676}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1845	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{4b374c94-230c-45f1-80c1-59edfab9a830}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1846	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{d19fec24-038f-4268-9d12-17b5d0c3fb8a}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1847	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{a4994240-1e7d-4684-b1c1-2c6e4187ddff}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1848	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{7b4311c4-3532-436e-b0fc-f4a3445b89ca}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1849	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{f4aca8e0-7256-41b3-ba3b-fb849f5c869e}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1850	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{a7488f38-e72e-4879-99d6-f071b7621ed4}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1851	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{e001d5b1-a7ca-46f4-bd89-a746a276a546}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1852	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{29c3cad5-bd62-434f-b0bd-673dceea340c}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1853	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{be58ab47-8c79-4a99-881a-2b7d3d3d28e2}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1855	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{11581d38-26a9-42d3-b5a3-f6fbe1b2ffdc}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1856	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{8ce4d5b1-cc58-4417-b6c0-29208d118783}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1857	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{c2ce67be-a11a-4f4d-a665-9ae173142328}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1858	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{b1aa7793-2d47-431a-ba5e-a57c4f247e42}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1859	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{429797e9-c3ba-4d73-815c-5494705ddc95}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1860	WT-22-202	Blackwater	*Rhizomnium species*	RHIZOMN	Rhizomnium species	none	none	Moss or Lichen						
1861	WT-22-202	Blackwater	*Calliergon species*	CALLIER	Calliergon species	none	none	Moss or Lichen						
1862	WT-22-333	Blackwater	*Coptidium lapponicum*	COPTLAP	Lapland buttercup	Yellow	No Status	Herb						0.1
1863	WT-22-535	Blackwater	*Coptidium lapponicum*	COPTLAP	Lapland buttercup	Yellow	No Status	Herb						
1864	WT-22-359	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1865	WT-22-359	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status							
1866	WT-22-359	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
1867	WT-22-359	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1868	WT-22-359	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1869	WT-22-359	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1870	WT-22-359	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
1871	WT-22-359	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						
1872	WT-22-359	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						
1873	WT-22-359	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1874	WT-22-359	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1875	WT-22-359	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1876	WT-22-359	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
1877	WT-22-359	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1878	WT-22-359	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1879	WT-22-359	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						
1880	WT-22-359	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1881	WT-22-359	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub						
1882	WT-22-661	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub		0.1			2	
1883	WT-22-661	Blackwater	*Salix myrtillifolia*	SALIMYR	bilberry willow	Yellow	No Status	Tree or Shrub					5	
1884	WT-22-661	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					50	
1885	WT-22-661	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					3	
1886	WT-22-661	Blackwater	*Sphagnum squarrosum*	SPHASQU		Yellow	No Status	Moss or Lichen						
1887	WT-22-661	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						10
1888	WT-22-661	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						3
1889	WT-22-661	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						2
1890	WT-22-661	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					1	
1891	WT-22-661	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						0.1
1892	WT-22-661	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					0.1	
1893	WT-22-661	Blackwater	*Valeriana sitchensis*	VALESIT	Sitka valerian	Yellow	No Status	Herb						0.1
1894	WT-22-661	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						0.1
1895	WT-22-661	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.1
1896	WT-22-661	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1897	WT-22-661	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1898	WT-22-661	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						7
1899	WT-22-661	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1900	WT-22-661	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					0.1	
1901	WT-22-661	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.1
1902	WT-22-359a	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1903	WT-22-359a	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1904	WT-22-359a	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub						
1905	WT-22-359a	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
1906	WT-22-359a	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1860	WT-22-202	10		no		no			
1861	WT-22-202	5		no		no			
1862	WT-22-333			no		no			Replace Ranunculus spp.
1863	WT-22-535			no		no			Replace Ranunculus spp.
1864	WT-22-359			no		no			
1865	WT-22-359			no		no			
1866	WT-22-359			no		no			
1867	WT-22-359			no		no			
1868	WT-22-359			no		no			
1869	WT-22-359			no		no			
1870	WT-22-359			no		no			
1871	WT-22-359			no		no			
1872	WT-22-359			no		no			
1873	WT-22-359			no		no			
1874	WT-22-359			no		no			
1875	WT-22-359			no		no			
1876	WT-22-359			no		no			
1877	WT-22-359			no		no			
1878	WT-22-359			no		no			
1879	WT-22-359			no		no			
1880	WT-22-359			no		no			
1881	WT-22-359			no		no			
1882	WT-22-661			no		no			
1883	WT-22-661			no		no			
1884	WT-22-661			no		no			
1885	WT-22-661			no		no			
1886	WT-22-661	7		no		no			
1887	WT-22-661			no		no			
1888	WT-22-661			no		no			
1889	WT-22-661			no		no			
1890	WT-22-661			no		no			
1891	WT-22-661			no		no			
1892	WT-22-661			no		no			
1893	WT-22-661			no		no			
1894	WT-22-661			no		no			
1895	WT-22-661			no		no			
1896	WT-22-661		0.1	no		no			
1897	WT-22-661	7		no		no			
1898	WT-22-661			no		no			
1899	WT-22-661	0.1		no		no			
1900	WT-22-661			no		no			
1901	WT-22-661			no		no			
1902	WT-22-359a			no		no			
1903	WT-22-359a			no		no			
1904	WT-22-359a			no		no			
1905	WT-22-359a			no		no			
1906	WT-22-359a			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1860	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{e54ffe34-dd02-48bc-a6d1-6d6b8b39d7f7}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1861	WT-22-202	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants	{be56026a-d94e-45f3-8715-dbce9a63b512}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}
1862	WT-22-333	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{8fe148ac-da91-4757-b12e-5a2b644f696a}	{198dca67-dc7e-4ac2-ab1b-fe2c205688e7}
1863	WT-22-535	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f75c4a07-6aa9-4c5e-aa1b-b07b3a61025c}	{a2ba67e0-ffeb-4a38-86a7-09c9f5f9c9c1}
1864	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{4d4ae761-3aa4-435a-8f61-435b59f3860d}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1865	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{42df5949-2bda-4b50-aaf2-08d3deaee7a8}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1866	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{19378630-7271-4432-b2b1-16050c14e5bc}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1867	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{255e6c48-d2cd-4f8e-be9e-8b085b4871e0}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1868	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{1b80926d-c06b-48b2-9052-65aa01535727}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1869	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{42604e58-e768-467e-83da-16e0af74964d}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1870	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{01d60607-a915-4fe4-aaa3-9b87178b0340}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1871	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a5e4a38f-0a4e-494c-a49f-4aca0f8f579b}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1872	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{b6ee9732-7f51-42b5-af3c-98ef0ef5c799}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1873	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{7c44a09a-1fec-48cb-be22-994b2c91c81d}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1874	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f764d18b-2b47-4a5f-a472-0755a7f7c0d9}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1875	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{103095b6-8185-493a-bb06-945b9942f1d3}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1876	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{779723fd-0505-4287-9f35-f5cde90689dd}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1877	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{97065601-24d0-4574-9d87-cffbce85896e}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1878	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{83233f2c-e660-4607-a0a5-691b5808ecd3}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1879	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{6f761f05-5278-4e38-b912-ab487f584002}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1880	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5ab7ee7b-2a4e-4f2b-ac97-3cacd3219a2c}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1881	WT-22-359	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{51d3864a-e414-42de-89f0-82651cbd8ea0}	{900f0f04-67fc-4b04-8bce-9a19edb6bb22}
1882	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5f3494fe-655b-44d7-ab2e-c7dc406bf55c}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1883	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{39103eac-59f8-493e-abc5-fd16d6a41db7}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1884	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c496009f-caed-4a9d-920c-6732e2921b1c}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1885	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e3420b9a-17c8-4a21-98b0-b138fc7e0c77}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1886	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{aea42a91-c04a-4dda-a5a1-e179a9882daf}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1887	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{eb1934ba-a153-433b-8bd2-73ed89c04881}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1888	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{fbb1aec5-fffe-4904-9b54-30a0d0506773}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1889	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{581031c8-0d12-4d42-9d5a-f5b216253836}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1890	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{8bcb983c-39a5-4ec7-9a9f-d37fa301ffc0}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1891	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{34d5ebdd-74aa-4d22-9872-5e277fe6eecc}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1892	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2d22a0ee-1bf6-461b-9db9-978827b0bd6a}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1893	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{32a1acd6-ec73-42b6-8695-3b368f4ad3bd}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1894	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a32b86de-720c-456b-9242-2c87d44e300f}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1895	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{28d92d98-9cbc-45dc-a1b4-20491882ed90}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1896	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{56e7e016-c569-4970-bbed-9c22c6d240e9}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1897	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{1fcf998f-be31-4a49-83ed-315979d99934}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1898	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2e75164a-d2ce-498b-81a6-01f7c9e7709a}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1899	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{cab018d8-930b-45df-bcf4-6e771f13b22d}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1900	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ba4b5a45-f2da-498b-9727-cebbc9cc06a5}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1901	WT-22-661	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c1af3502-6182-4efa-bfc4-0ab3b7a12a9a}	{c1829eba-f47b-4e3e-a3cf-fea7aa9373e9}
1902	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f29173ce-2f30-4f00-b72b-20913d7a54c7}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1903	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{7c3efc27-7055-40f2-8764-b214d73e0e37}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1904	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5b5e6cf1-5ebb-49f2-9d77-0aa0dc67d9b6}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1905	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{15f3e12a-51eb-4035-8bcc-a2d7c6fabc09}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1906	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a04fe6e1-6f2d-49fb-8459-78b95bcc371b}	{8b4db131-43e9-4953-a052-d547929c0b7f}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1907	WT-22-359a	Blackwater	*Rhododendron albiflorum*	RHODALB	white-flowered rhododendron	Yellow	No Status	Tree or Shrub						
1908	WT-22-359a	Blackwater	*Actaea rubra*	ACTARUB	baneberry	Yellow	No Status	Herb						
1909	WT-22-359a	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
1910	WT-22-359a	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
1911	WT-22-359a	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						
1912	WT-22-359a	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
1913	WT-22-359a	Blackwater	*Rubus pubescens*	RUBUPUB	dwarf red raspberry	Yellow	No Status	Tree or Shrub						
1914	WT-22-359a	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1915	WT-22-359a	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1916	WT-22-359a	Blackwater	*Veratrum viride var. eschscholzianum*	VERAVIR3	green false-hellebore	Yellow	No Status	Herb						
1917	WT-22-359a	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						
1918	WT-22-359a	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1919	WT-22-359a	Blackwater	*Viburnum edule*	VIBUEDU	highbush-cranberry	Yellow	No Status	Tree or Shrub						
1920	WT-22-359a	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
1921	WT-22-359a	Blackwater	*Angelica genuflexa*	ANGEGEN	kneeling angelica	Yellow	No Status	Herb						
1922	WT-22-359a	Blackwater	*Dryopteris expansa*	DRYOEXP	spiny wood fern	Yellow	No Status	Herb						
1923	WT-22-359a	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1924	WT-22-359a	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
1925	WT-22-669	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub	0.1	1		2	5	
1926	WT-22-669	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub				0.1		
1927	WT-22-669	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1928	WT-22-669	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					5	
1929	WT-22-669	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					3	
1930	WT-22-669	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Tree or Shrub					0.1	
1931	WT-22-669	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						2
1932	WT-22-669	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1933	WT-22-669	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						5
1934	WT-22-669	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1935	WT-22-669	Blackwater	*Timmia austriaca*	TIMMAUS		Yellow	No Status	Moss or Lichen						
1936	WT-22-669	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						3
1937	WT-22-669	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						0.1
1938	WT-22-669	Blackwater	*Carex canescens ssp. canescens*	CARECAN2	grey sedge	Yellow	No Status	Herb						2
1939	WT-22-669	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						1
1940	WT-22-399	Blackwater	*Menyanthes trifoliata*	MENYTRI	buckbean	Yellow	No Status	Herb						30
1941	WT-22-399	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub					0.1	
1942	WT-22-399	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1943	WT-22-399	Blackwater	*Carex magellanica ssp. irrigua*	CAREMAG1	poor sedge	Yellow	No Status	Herb						10
1944	WT-22-399	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						0.1
1945	WT-22-399	Blackwater	*Equisetum fluviatile*	EQUIFLU	swamp horsetail	Yellow	No Status	Herb						1
1946	WT-22-399	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1947	WT-22-399	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					0.1	
1948	WT-22-399	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Herb						0.1
1949	WT-22-399	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						0.1
1950	WT-22-399	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
1951	WT-22-397	Blackwater	*Aconitum delphiniifolium*	ACONDEL	mountain monkshood	Yellow	No Status	Herb						
1952	WT-22-397	Blackwater	*Penstemon procerus var. procerus*	PENSPRO1	small-flowered penstemon	Yellow	No Status	Herb						
1953	WT-22-397	Blackwater	*Carex macloviana*	CAREMAL	Falkland Island sedge	Yellow	No Status	Herb						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1907	WT-22-359a			no		no			
1908	WT-22-359a			no		no			
1909	WT-22-359a			no		no			
1910	WT-22-359a			no		no			
1911	WT-22-359a			no		no			
1912	WT-22-359a			no		no			
1913	WT-22-359a			no		no			
1914	WT-22-359a			no		no			
1915	WT-22-359a			no		no			
1916	WT-22-359a			no		no			
1917	WT-22-359a			no		no			
1918	WT-22-359a			no		no			
1919	WT-22-359a			no		no			
1920	WT-22-359a			no		no			
1921	WT-22-359a			no		no			
1922	WT-22-359a			no		no			
1923	WT-22-359a			no		no			
1924	WT-22-359a			no		no			
1925	WT-22-669			no		no			
1926	WT-22-669			no		no			
1927	WT-22-669	70		no		no			
1928	WT-22-669			no		no			
1929	WT-22-669			no		no			
1930	WT-22-669			no		no			
1931	WT-22-669			no		no			
1932	WT-22-669		1	no		no			
1933	WT-22-669			no		no			
1934	WT-22-669	0.1		no		no			
1935	WT-22-669	0.1		no		no			To be verified.
1936	WT-22-669			no		no			
1937	WT-22-669			no		no			
1938	WT-22-669			no		no			
1939	WT-22-669			no		no			
1940	WT-22-399			no		no			
1941	WT-22-399			no		no			
1942	WT-22-399	5		no		no			
1943	WT-22-399			no		no			
1944	WT-22-399			no		no			
1945	WT-22-399			no		no			
1946	WT-22-399	3		no		no			
1947	WT-22-399			no		no			
1948	WT-22-399			no		no			
1949	WT-22-399			no		no			
1950	WT-22-399		0.1	no		no			
1951	WT-22-397			no		no			
1952	WT-22-397			no		no			
1953	WT-22-397			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1907	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f4785a84-160b-47bd-ae32-5cfb6ac47603}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1908	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{dd9405a6-c631-42fd-a9f7-910c22d1e6a2}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1909	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ff2cf8ef-ead4-4079-a4f8-3bc814a97594}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1910	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{611563f8-225a-4582-821f-7e3a55a55724}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1911	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{9d9a1951-c023-4bd6-ba45-c170c83ca695}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1912	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c430d854-48c2-453d-858e-86100f9fe2f5}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1913	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{db7192b9-dff8-490f-8462-f16b3c467fd3}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1914	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{7dac6c51-3635-460c-a97e-e8abba2df1c4}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1915	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c16a93dc-dcad-4050-9499-379c28d5a1d1}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1916	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a14314e4-1637-4e3f-a939-304d428ab406}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1917	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{cad9f738-93f6-456e-a290-36480c1b82c5}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1918	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ebbe3162-22f1-4204-b23f-3b8cae62e7c9}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1919	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{44351715-9aec-4987-a9df-f74a7320e0a5}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1920	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{973c995e-a02f-4b4d-9025-9dbc19bd3350}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1921	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2d12cd89-560c-411b-b4c8-3d07fb82d2d0}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1922	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{4a887a98-952c-441a-8eeb-575f077a8859}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1923	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e3b6f94e-3db7-4cab-b8df-940b568605a3}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1924	WT-22-359a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{84397b54-d367-46d3-b538-3d4ae37bb444}	{8b4db131-43e9-4953-a052-d547929c0b7f}
1925	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{8d87b494-76b3-4634-9336-b81ce087bbb3}	{80886649-96ee-443c-b340-6799df84a920}
1926	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ec50da05-295f-4e4e-a5be-5ba9b0cddb8b}	{80886649-96ee-443c-b340-6799df84a920}
1927	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{eb82cdf9-404b-482b-b2a3-601d3787b03a}	{80886649-96ee-443c-b340-6799df84a920}
1928	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{06d49a8d-02af-4310-99c8-8666ea58aa01}	{80886649-96ee-443c-b340-6799df84a920}
1929	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a4cada14-9877-4378-8e9d-0efa5938dae0}	{80886649-96ee-443c-b340-6799df84a920}
1930	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c407af6b-b447-4b19-b7a7-683179e3ea27}	{80886649-96ee-443c-b340-6799df84a920}
1931	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ce2904a0-73f6-4daa-a011-b36ce82010f4}	{80886649-96ee-443c-b340-6799df84a920}
1932	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{97bcc443-6b3d-4206-a958-e17c63ccd49d}	{80886649-96ee-443c-b340-6799df84a920}
1933	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{25a6b074-adad-4020-84e6-a39a19dfe522}	{80886649-96ee-443c-b340-6799df84a920}
1934	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e4cd4453-10c1-4199-a6a1-bad0a4de2685}	{80886649-96ee-443c-b340-6799df84a920}
1935	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{3d8ce662-f8ad-463a-805a-0d990f2cbf94}	{80886649-96ee-443c-b340-6799df84a920}
1936	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{fd308da5-4778-4f32-a5e5-8398aa36e4b3}	{80886649-96ee-443c-b340-6799df84a920}
1937	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{91bfec71-625f-4891-b89d-84aac5a6edd7}	{80886649-96ee-443c-b340-6799df84a920}
1938	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{40a0598e-7ca1-4efc-af87-df9c35ad8dfe}	{80886649-96ee-443c-b340-6799df84a920}
1939	WT-22-669	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{693b8f1b-56a6-43ef-9487-033242f5a131}	{80886649-96ee-443c-b340-6799df84a920}
1940	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{6219c86b-a0e0-466f-8361-e974b377e48f}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1941	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e4e2d56f-db00-4368-9e45-7d5e9a100722}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1942	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{18ce472a-8062-4ad0-8557-4afa92dac0ab}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1943	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{82d83f05-1939-495b-9099-a30426546b8d}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1944	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f10d028b-d804-4585-976a-8dd143d85e76}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1945	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f5575929-da37-44a8-af34-4d306ecf7684}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1946	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{4b7c59ad-0ce0-45a4-b8e1-92e0573dfb1d}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1947	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e8a97992-2bab-456e-9fae-07ca0e8a8491}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1948	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{30d8e032-95b5-4a3c-b8a6-392256f619c3}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1949	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{d2b25714-5261-478e-8b46-31f6bd59fad7}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1950	WT-22-399	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{3b6ed510-f53d-4083-b8e1-f4fd0f9d97fb}	{a8c40097-46f1-41e5-b5c2-61f26c6a142a}
1951	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{959f345b-016c-4c99-b08c-7a54f8ac25ee}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1952	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{b2166e16-c7b8-431d-8223-1cb4a17c7df9}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1953	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5ab990a5-6806-4b04-ab8a-66512961c994}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
1954	WT-22-397	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						
1955	WT-22-397	Blackwater	*Stellaria longipes ssp. longipes*	STELLOG7	long-stalked starwort	Yellow	No Status	Herb						
1956	WT-22-397	Blackwater	*Poa pratensis ssp. pratensis*	POA_PRA4	Kentucky bluegrass	Exotic	No Status	Herb						
1957	WT-22-397	Blackwater	*Rumex acetosella*	RUMEACT	sheep sorrel	Exotic	No Status	Herb						
1958	WT-22-397	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						
1959	WT-22-397	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						
1960	WT-22-397	Blackwater	*Phleum pratense ssp. pratense*	PHLEPRA1	common timothy	Exotic	No Status	Herb						
1961	WT-22-397	Blackwater	*Elymus trachycaulus ssp. trachycaulus*	ELYMTRA2	slender wheatgrass	Yellow	No Status	Herb						
1962	WT-22-397	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						
1963	WT-22-397	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1964	WT-22-397	Blackwater	*Veronica nutans*	VERONUT	alpine speedwell	Yellow	No Status	Herb						
1965	WT-22-397	Blackwater	*Cirsium brevistylum*	CIRSBRE	short-styled thistle	Yellow	No Status	Herb						
1966	WT-22-397a	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						
1967	WT-22-397a	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
1968	WT-22-397a	Blackwater	*Salix planifolia*	SALIPLA	plane-leaved willow	Yellow	No Status	Tree or Shrub						
1969	WT-22-397a	Blackwater	*Veronica beccabunga var. americana*	VEROBEC1	American speedwell	Yellow	No Status	Herb						
1970	WT-22-397a	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						
1971	WT-22-397a	Blackwater	*Euphrasia nemorosa*		common eyebright	Exotic	No Status	Herb						
1972	WT-22-397a	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
1973	WT-22-397a	Blackwater	*Galium trifidum ssp. trifidum*	GALITRD2	small bedstraw	Yellow	No Status	Herb						
1974	WT-22-397a	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1976	WT-22-360	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
1977	WT-22-360	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
1978	WT-22-360	Blackwater	*Vaccinium membranaceum*	VACCMEM	black huckleberry	Yellow	No Status	Herb						
1979	WT-22-360	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
1980	WT-22-360	Blackwater	*Empetrum nigrum*	EMPENIG	crowberry	Yellow	No Status	Herb						
1981	WT-22-360	Blackwater	*Vaccinium scoparium*	VACCSCO	grouseberry	Yellow	No Status	Tree or Shrub						
1982	WT-22-360	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
1983	WT-22-360	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
1984	WT-22-360	Blackwater	*Shepherdia canadensis*	SHEPCAN	soopolallie	Yellow	No Status	Herb						
1985	WT-22-360	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
1986	WT-22-662	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		5				
1987	WT-22-662	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
1988	WT-22-662	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub					30	
1989	WT-22-662	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						7
1990	WT-22-662	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					1	
1991	WT-22-662	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub					0.1	
1992	WT-22-662	Blackwater	*Veronica beccabunga var. americana*	VEROBEC1	American speedwell	Yellow	No Status	Herb						0.1
1993	WT-22-662	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
1994	WT-22-662	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub					3	
1995	WT-22-662	Blackwater	*Poa palustris*	POA_PAL	fowl bluegrass	Yellow	No Status	Herb						0.1
1996	WT-22-662	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
1997	WT-22-662	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
1998	WT-22-662	Blackwater	*Epilobium ciliatum ssp. ciliatum*	EPILCIL1	purple-leaved willowherb	Yellow	No Status	Herb						0.1
1999	WT-22-662	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
2000	WT-22-662	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub					1	
2001	WT-22-662	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						0.1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
1954	WT-22-397			no		no			
1955	WT-22-397			no		no			
1956	WT-22-397			no		no			
1957	WT-22-397			no		no			
1958	WT-22-397			no		no			
1959	WT-22-397			no		no			
1960	WT-22-397			no		no			
1961	WT-22-397			no		no			
1962	WT-22-397			no		no			
1963	WT-22-397			no		no			
1964	WT-22-397			no		no			
1965	WT-22-397			no		no			
1966	WT-22-397a			no		no			
1967	WT-22-397a			no		no			
1968	WT-22-397a			no		no			
1969	WT-22-397a			no		no			
1970	WT-22-397a			no		no			
1971	WT-22-397a			no		no			
1972	WT-22-397a			no		no			
1973	WT-22-397a			no		no			
1974	WT-22-397a			no		no			
1976	WT-22-360			no		no			
1977	WT-22-360			no		no			
1978	WT-22-360			no		no			
1979	WT-22-360			no		no			
1980	WT-22-360			no		no			
1981	WT-22-360			no		no			
1982	WT-22-360			no		no			
1983	WT-22-360			no		no			
1984	WT-22-360			no		no			
1985	WT-22-360			no		no			
1986	WT-22-662			no		no			
1987	WT-22-662			no		no			45
1988	WT-22-662			no		no			
1989	WT-22-662			no		no			
1990	WT-22-662			no		no			
1991	WT-22-662			no		no			
1992	WT-22-662			no		no			
1993	WT-22-662	3		no		no			
1994	WT-22-662			no		no			
1995	WT-22-662			no		no			
1996	WT-22-662	0.1		no		no			
1997	WT-22-662	0.1		no		no			
1998	WT-22-662			no		no			
1999	WT-22-662		1	no		no			
2000	WT-22-662			no		no			
2001	WT-22-662			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
1954	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{0304439c-58cf-4639-b646-7f36e8a30927}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1955	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{655a9802-47b6-4bd2-ae0f-a2182f64bec9}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1956	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c6f0104b-4a20-4c6f-af8c-82b9f62d62de}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1957	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{d35debef-3921-4ece-bc86-a6b1718b3e5b}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1958	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{d34c5061-3688-4c95-8cf8-f9d70dc77bc1}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1959	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{6437a7b0-c63c-4f93-a7e3-00181fea0909}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1960	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{554e82c2-20f8-4a58-b7b9-cc984a3b1ec2}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1961	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{b2fa4fcc-16e5-4261-b913-ab9ec3bd4d7e}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1962	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{887b5321-ce57-41b9-bb50-37539ef7b84e}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1963	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{1b5c0fbb-a36e-491e-8b91-50f7d5cec0bd}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1964	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{018f0abd-e9ed-475b-9a99-08a1c4403d78}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1965	WT-22-397	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{b7c953ab-501c-4e2a-8f7a-62642bf9e540}	{3cd4a8fa-bee3-427e-ad8e-c5bf5800cff2}
1966	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c5f009be-f39e-4ecd-8755-84f886f303fe}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1967	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{53dbf2ae-a34e-4701-ac40-be028417d0f0}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1968	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{71d9f77b-f977-4c07-9d01-5f62abb4ba88}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1969	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{4ba4ef35-5eb0-4eab-9031-98519edf75ef}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1970	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a9397a75-31f7-4087-b79d-dfe772e612b1}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1971	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{7fad7b78-5884-453e-b147-9a84545c5616}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1972	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a19b02d3-776b-4f13-a3e4-59ddf7e6dfd0}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1973	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e554e5ef-df77-4123-a2e0-5351f8c568c4}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1974	WT-22-397a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f23ef759-3813-4f3d-ae33-435e9a67e55a}	{f0e5bd19-40f4-4484-b461-7c873995bafd}
1976	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{bee1138f-d7ad-4dd2-b380-a769829b2177}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1977	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e9567bf2-cbdc-4552-962b-529edcbf377b}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1978	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{39510aff-3b0b-4610-8855-e44ddc978800}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1979	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{946f9610-8c15-42d7-927a-9425aea522fb}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1980	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{3976c035-1126-473a-8c9d-4fe2de48e0bd}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1981	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{87a3f2d0-e4ce-40ab-b48b-d0c9415b5907}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1982	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{3f39ca58-b1c4-47f5-9792-e0d1a7e0f7f7}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1983	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{8fe97a08-6095-489e-8f0e-3393d58c4f23}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1984	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{bb383f44-5e07-4c3b-9a3d-f0c9e4d96f35}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1985	WT-22-360	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{155a28b4-b228-42bf-b609-09751bf3ea94}	{1a650bf6-451c-4e4f-a639-25f10d872fd7}
1986	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{083282aa-a813-4384-b9f3-2a48d77e2a77}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1987	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{457c9e9d-ff1a-4690-9708-ef3ae70b9f43}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1988	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5c703b4d-fa70-431c-9af5-e68a6476c432}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1989	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{bf3a99e4-6526-4c54-b59d-7e0541ba9256}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1990	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{72689ce3-8bc2-4d29-a25d-40fa79a977c7}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1991	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{dfa52f5f-8bc6-4030-8f0b-c9950a478ad6}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1992	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{06f4a49f-d6d0-4e0d-b1a3-1acb107bee25}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1993	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{3fd63055-b97f-4602-8dc3-1561da49ce91}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1994	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{99c85d13-00d7-4f86-a364-4cd9447bf264}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1995	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c0b1b863-ba07-4c0d-a85b-e171277fe1a8}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1996	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{e3980f2d-c795-4cb3-ad22-610e7794fc8d}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1997	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a1ceece3-8cb4-40d0-ab71-8ff9255015b1}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1998	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{91a5dd14-2857-4564-9196-3a60e356f739}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
1999	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{1bcbe96a-2c0b-4e99-b707-c5f7cf238fab}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2000	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{0b8b9a8f-80f9-483c-9a7d-142a9d9d11c0}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2001	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{bf8b6d23-c144-4902-92ad-81793a595f78}	{90d48856-7a51-4c58-9848-0ed60c5a4129}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
2002	WT-22-662	Blackwater	*Viola glabella*	VIOLGLA	stream violet	Yellow	No Status	Herb						0.1
2003	WT-22-662	Blackwater	*Aconitum delphiniifolium*	ACONDEL	mountain monkshood	Yellow	No Status	Herb						0.1
2004	WT-22-662	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						0.1
2005	WT-22-662	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						0.1
2006	WT-22-662	Blackwater	*Dicranum species*	DICRANU	Dicranum species	none	none	Moss or Lichen						
2007	WT-22-396	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
2008	WT-22-396	Blackwater	*Sambucus racemosa var. leucocarpa*	SAMBRAC6	eastern red elderberry	Yellow	No Status	Tree or Shrub						
2009	WT-22-396	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
2010	WT-22-396	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
2011	WT-22-396	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						
2012	WT-22-396	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
2013	WT-22-396	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						
2014	WT-22-396	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub						
2015	WT-22-396	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
2016	WT-22-396	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
2017	WT-22-396	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
2018	WT-22-396	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
2019	WT-22-396	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
2020	WT-22-662a	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub						
2021	WT-22-662a	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
2022	WT-22-662a	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
2023	WT-22-662a	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						
2024	WT-22-662a	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						
2025	WT-22-662a	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						
2026	WT-22-662a	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
2027	WT-22-662a	Blackwater	*Alectoria species*	ALECTOR	Alectoria species	none	none	Epiphyte						
2028	WT-22-662a	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
2029	WT-22-662a	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						
2030	WT-22-662a	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						
2031	WT-22-662a	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
2033	WT-22-662a	Blackwater	*Neottia cordata*	NEOTCOR	heart-leaved twayblade	Yellow	No Status	Herb						
2034	WT-22-662a	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						
2035	WT-22-662a	Blackwater	*Peltigera species*	PELTIGE	Peltigera species	none	none	Moss or Lichen						
2036	WT-22-507	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub						
2037	WT-22-507	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub						
2038	WT-22-507	Blackwater	*Salix barclayi*	SALIBAC	Barclay's willow	Yellow	No Status	Tree or Shrub						
2039	WT-22-507	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
2040	WT-22-507	Blackwater	*Symphyotrichum foliaceum var. parryi*	SYMPFOL2	Parry's aster	Yellow	No Status	Herb						
2041	WT-22-507	Blackwater	*Trollius albiflorus*	TROLALB	globeflower	Yellow	No Status	Herb						
2042	WT-22-507	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						
2043	WT-22-507	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						
2044	WT-22-507	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						
2045	WT-22-507	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						
2046	WT-22-507	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
2047	WT-22-507	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
2048	WT-22-507	Blackwater	*Arnica cordifolia*	ARNICOR	heart-leaved arnica	Yellow	No Status	Herb						
2049	WT-22-507	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
2002	WT-22-662			no		no			
2003	WT-22-662			no		no			
2004	WT-22-662			no		no			
2005	WT-22-662			no		no			
2006	WT-22-662	1		no		no			
2007	WT-22-396			no		no			
2008	WT-22-396			no		no			
2009	WT-22-396			no		no			
2010	WT-22-396			no		no			
2011	WT-22-396			no		no			
2012	WT-22-396			no		no			
2013	WT-22-396			no		no			
2014	WT-22-396			no		no			
2015	WT-22-396			no		no			
2016	WT-22-396			no		no			
2017	WT-22-396			no		no			
2018	WT-22-396			no		no			
2019	WT-22-396			no		no			
2020	WT-22-662a			no		no			
2021	WT-22-662a			no		no			
2022	WT-22-662a			no		no			
2023	WT-22-662a			no		no			
2024	WT-22-662a			no		no			
2025	WT-22-662a			no		no			
2026	WT-22-662a			no		no			
2027	WT-22-662a			no		no			
2028	WT-22-662a			no		no			
2029	WT-22-662a			no		no			
2030	WT-22-662a			no		no			
2031	WT-22-662a			no		no			
2033	WT-22-662a			no		no			
2034	WT-22-662a			no		no			
2035	WT-22-662a			no		no			
2036	WT-22-507			no		no			
2037	WT-22-507			no		no			
2038	WT-22-507			no		no			
2039	WT-22-507			no		no			
2040	WT-22-507			no		no			
2041	WT-22-507			no		no			
2042	WT-22-507			no		no			
2043	WT-22-507			no		no			
2044	WT-22-507			no		no			
2045	WT-22-507			no		no			
2046	WT-22-507			no		no			
2047	WT-22-507			no		no			
2048	WT-22-507			no		no			
2049	WT-22-507			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
2002	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5bc5315d-b241-4ecb-83e4-1236f68a2949}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2003	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{79dc9293-2347-49d9-8ce7-33215b785489}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2004	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f7c673ca-406e-4c12-9827-e3efa9e85245}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2005	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{cba92eb7-5dbe-49b9-b9fb-6f6b3a94f18a}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2006	WT-22-662	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{932ecd59-c218-4730-bf62-63bc369cbbd8}	{90d48856-7a51-4c58-9848-0ed60c5a4129}
2007	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f88f0812-f989-4a89-a02b-4a8eb8a231ec}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2008	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2a715324-0fe2-4147-a353-0b9f29825901}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2009	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a594fab5-7632-4d1b-aca3-018dca1d1af0}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2010	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{9c1eeccb-1a35-423a-b4dd-23b8e4809c20}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2011	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ef4be4ff-5327-47b2-b38d-9f7b2d211659}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2012	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{132c4afc-4f6c-4a3d-8499-389f0654a244}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2013	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{25439089-81b4-4dba-8982-a70b8eb32c10}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2014	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{1e11c70f-16f2-4ed9-ac06-cf7099f575f8}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2015	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{42dd3daf-0bf4-4387-93fe-b40f05ca9822}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2016	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{de326003-92db-452b-b7c5-5251530c3474}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2017	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2cee3685-97b4-401e-b372-aaa2a3eff626}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2018	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{4735f4b0-a409-4724-88eb-69221e29ae1b}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2019	WT-22-396	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{15afdb56-e0fb-4072-ba12-a3f8993914ef}	{688d5645-fc12-4b61-ba7f-ecec62104591}
2020	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{02aa2281-9d2e-4813-b0f3-9a8d528779ec}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2021	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c51da319-bdaa-42ce-b343-e977790f7a52}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2022	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{bf5e479a-1578-416b-9d57-307f148cd290}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2023	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{46236e96-d064-46b6-bae2-5c0fa83efea9}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2024	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5bf120ca-1df0-4d2c-b408-d098b9d8f280}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2025	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{84a030e3-4ba4-4223-9a63-336ea21474c0}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2026	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{0b86a60b-0e21-4abb-bb40-711f8b46684a}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2027	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{9ade9eb3-49de-47a9-9597-172e288c7e01}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2028	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{85ba5ad2-87ac-4da8-a44e-a3107d6dc525}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2029	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f6eaa568-3fb9-4f96-94bc-4f15ee1fc330}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2030	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5e5d9455-b3d3-4de3-903b-1beeaa2794cc}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2031	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c7cbb4c7-c209-40b8-8f62-30d75a81e7e7}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2033	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{d60e014a-a76c-4d3f-8608-bea28196fcd9}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2034	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{311bdac0-9039-45fc-b5a3-1c62cfcce164}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2035	WT-22-662a	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{28a5eeb5-5fa3-4581-b960-3ed9cd2108dd}	{ffbd837d-31f7-4f25-9c78-1156ade55a7e}
2036	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{849072bb-2b9a-424c-8b14-a27b81bd4e8a}	{8d230686-686f-47c6-851d-627c4016c843}
2037	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2e42c71f-fbdf-48dd-a769-eea385f2052b}	{8d230686-686f-47c6-851d-627c4016c843}
2038	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{25827e00-1807-4cf1-8729-06eae11ea2e0}	{8d230686-686f-47c6-851d-627c4016c843}
2039	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{47b35343-ea5a-465c-af75-497e6d61cfef}	{8d230686-686f-47c6-851d-627c4016c843}
2040	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{892546c9-0870-46a7-b706-6707a6128359}	{8d230686-686f-47c6-851d-627c4016c843}
2041	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f9505b07-5818-4f59-9c74-e673a7109081}	{8d230686-686f-47c6-851d-627c4016c843}
2042	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{67ef92a8-16e8-4d02-9ad1-991cca62c8a0}	{8d230686-686f-47c6-851d-627c4016c843}
2043	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{b05f5077-5f68-41d6-9e3c-855a94392985}	{8d230686-686f-47c6-851d-627c4016c843}
2044	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ced8dfd8-efd0-4e0a-8aef-457e21caab3f}	{8d230686-686f-47c6-851d-627c4016c843}
2045	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{870a86a1-e31a-4921-a59b-4f5a12bd2d0b}	{8d230686-686f-47c6-851d-627c4016c843}
2046	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{95d8a61d-05f4-4f16-bc45-82959a5ef619}	{8d230686-686f-47c6-851d-627c4016c843}
2047	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{7c06d85f-7599-40f5-bd76-aa9688f1056a}	{8d230686-686f-47c6-851d-627c4016c843}
2048	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{894ea69b-89e6-4cb5-8173-47c8f3ca7c54}	{8d230686-686f-47c6-851d-627c4016c843}
2049	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{59e712e8-7338-430a-9a5d-93828697107f}	{8d230686-686f-47c6-851d-627c4016c843}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
2050	WT-22-507	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub						
2051	WT-22-507	Blackwater	*Aconitum delphiniifolium*	ACONDEL	mountain monkshood	Yellow	No Status	Herb						
2052	WT-22-507	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						
2053	WT-22-507	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Moss or Lichen						
2054	WT-22-507	Blackwater	*Pleurozium schreberi*	PLEUSCH	red-stemmed feathermoss	Yellow	No Status	Moss or Lichen						
2055	WT-22-507	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						
2056	WT-22-507	Blackwater	*Artemisia norvegica ssp. saxatilis*	ARTENOR1	mountain sagewort	Yellow	No Status	Herb						
2057	WT-22-451	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						
2058	WT-22-451	Blackwater	*Betula glandulosa*	BETUGLA	dwarf birch	Yellow	No Status	Tree or Shrub						
2059	WT-22-451	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub						
2060	WT-22-451	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
2061	WT-22-451	Blackwater	*Platanthera dilatata var. dilatata*	PLATDIL2	fragrant white rein orchid	Yellow	No Status	Herb						
2062	WT-22-451	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub						
2063	WT-22-451	Blackwater	*Aulacomnium palustre*	AULAPAL		Yellow	No Status	Moss or Lichen						
2064	WT-22-451	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub						
2065	WT-22-451	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						
2066	WT-22-451	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						
2067	WT-22-451	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						
2068	WT-22-451	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						
2069	WT-22-023	Blackwater	*Carex tenuiflora*	CARETEN	sparse-flowered sedge	Yellow	No Status	Herb						2
2070	WT-22-023	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
2071	WT-22-023	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
2072	WT-22-023	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						1
2073	WT-22-023	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						3
2074	WT-22-023	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						5
2075	WT-22-023	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						1
2076	WT-22-023	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						20
2077	WT-22-027	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						25
2078	WT-22-027	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						5
2079	WT-22-027	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
2080	WT-22-027	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						5
2081	WT-22-027	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						7
2082	WT-22-027	Blackwater	*Poa palustris*	POA_PAL	fowl bluegrass	Yellow	No Status	Herb						0.1
2083	WT-22-027	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.1
2084	WT-22-027	Blackwater	*Salix myrtillifolia*	SALIMYR	bilberry willow	Yellow	No Status	Tree or Shrub					0.1	
2085	WT-22-027	Blackwater	*Carex species*	CAREX	Carex species	none	none	Herb						3
2086	WT-22-069	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						85
2087	WT-22-069	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						1
2088	WT-22-069	Blackwater	*Petasites frigidus var. frigidus*	PETAFRI1	sweet coltsfoot	Yellow	No Status	Herb						5
2089	WT-22-069	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub		1				
2090	WT-22-069	Blackwater	*Salix myrtillifolia*	SALIMYR	bilberry willow	Yellow	No Status	Tree or Shrub				1		
2091	WT-22-069	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						1
2092	WT-22-069	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				1		
2093	WT-22-069	Blackwater	*Salix discolor*	SALIDIS	pussy willow	Yellow	No Status	Tree or Shrub				5		
2094	WT-22-069	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					0.1	
2095	WT-22-069	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
2096	WT-22-071	Blackwater	*Picea mariana*	PICEMAR	black spruce	Yellow	No Status	Tree or Shrub			1	15	1	

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
2050	WT-22-507			no		no			
2051	WT-22-507			no		no			
2052	WT-22-507			no		no			
2053	WT-22-507			no		no			
2054	WT-22-507			no		no			
2055	WT-22-507			no		no			
2056	WT-22-507			no		no			
2057	WT-22-451			no		no			
2058	WT-22-451			no		no			
2059	WT-22-451			no		no			
2060	WT-22-451			no		no			
2061	WT-22-451			no		no			
2062	WT-22-451			no		no			
2063	WT-22-451			no		no			
2064	WT-22-451			no		no			
2065	WT-22-451			no		no			
2066	WT-22-451			no		no			
2067	WT-22-451			no		no			
2068	WT-22-451			no		no			
2069	WT-22-023			no		no			
2070	WT-22-023	40		no		no			
2071	WT-22-023	2		no		no			
2072	WT-22-023			no		no			
2073	WT-22-023			no		no			
2074	WT-22-023			no		no			
2075	WT-22-023			no		no			
2076	WT-22-023			no		no			
2077	WT-22-027			no		no			
2078	WT-22-027			no		no			
2079	WT-22-027	5		no		no			
2080	WT-22-027			no		no			
2081	WT-22-027			no		no			
2082	WT-22-027			no		no			
2083	WT-22-027			no		no			
2084	WT-22-027			no		no			
2085	WT-22-027			no		no			
2086	WT-22-069			no		no			
2087	WT-22-069			no		no			
2088	WT-22-069			no		no			
2089	WT-22-069			no		no			
2090	WT-22-069			no		no			
2091	WT-22-069			no		no			
2092	WT-22-069			no		no			
2093	WT-22-069			no		no			
2094	WT-22-069			no		no			
2095	WT-22-069		0.1	no		no			
2096	WT-22-071			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
2050	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{6ee496f2-e6fe-427c-ba42-60c9d3343222}	{8d230686-686f-47c6-851d-627c4016c843}
2051	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{7bb08b94-3a70-43f3-8641-9e1e92eae620}	{8d230686-686f-47c6-851d-627c4016c843}
2052	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{dceb64ba-555d-4eef-a648-66cf17e4e73f}	{8d230686-686f-47c6-851d-627c4016c843}
2053	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ba4a48f7-40c1-4502-8268-fb9c61af4155}	{8d230686-686f-47c6-851d-627c4016c843}
2054	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{5cd969b3-f7c5-46c4-982e-373616167c38}	{8d230686-686f-47c6-851d-627c4016c843}
2055	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{faa940ff-0657-4b77-a53c-6e47431654ab}	{8d230686-686f-47c6-851d-627c4016c843}
2056	WT-22-507	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{4f3d9ebd-fd9c-4a3c-8023-81b98c256b27}	{8d230686-686f-47c6-851d-627c4016c843}
2057	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c37b43e6-02ce-41d4-9148-8cb1603c8778}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2058	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{c947607f-9b7d-4785-82d1-19db64b78eba}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2059	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{86354c24-234b-452a-ac8d-b53a08eab6d4}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2060	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{cc639b19-bf05-4470-8d0e-aa0c016b5c85}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2061	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{f472f782-70cb-49c0-a43d-c7b2aaf09759}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2062	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{af46ecb8-5182-4ddc-bfe4-d11767066b9f}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2063	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{838465ad-5438-425e-8dbf-63f62067080e}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2064	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{a53ea577-e41e-4a49-9008-58353de0c9ee}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2065	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{9b581df6-967a-45af-9cb4-48d9f83847e2}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2066	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{ed302ae9-9c59-4abc-834e-c0546dfe4ed8}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2067	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{2ea5db6b-f72f-4753-8a67-15edd6335804}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2068	WT-22-451	2022-07-31 3:03	Field1_ConsultEcoLogic	2022-07-31 3:03	Field1_ConsultEcoLogic	{658d05d0-be43-4c35-ad63-b9c4a3dda8d6}	{75e038ca-9642-488b-a2de-c22cbc0577ce}
2069	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{dd08e320-8ced-4444-8299-6f25ebdf3678}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2070	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{475fc616-568b-4a62-8186-67cd2d958037}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2071	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{52bbbe00-40a0-474b-a037-0b332b344f4e}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2072	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{c2dae766-48ae-4fcb-8a86-57fd8f0a1001}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2073	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{330846e9-6b58-4ccc-b898-671ddbd88f0b}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2074	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{2fefd385-1455-4de5-89d3-7dd474e8c909}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2075	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{b5f43e9d-32f0-4d94-b31b-778052893dda}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2076	WT-22-023	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{0b1c6a85-5b22-4ff9-a3da-d25f4785b66f}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2077	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{3a310882-7d0e-452a-8643-1166a3a7b309}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2078	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{ddeabf94-c287-45c0-beee-ab7fa99512cc}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2079	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{f92e65ba-71be-4a54-836c-2afbd7b2dc87}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2080	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{b55bf507-eeec-48a2-91a4-32c64c1ec33f}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2081	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{76e504fa-73d9-4d45-b08f-0f232844b130}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2082	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{f8baa843-fb69-40ca-b713-609be4579181}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2083	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{7b47e5fa-ffff-455d-b6c7-97e59b2dd660}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2084	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{f6c83a3f-e7e1-4692-86d1-141839c3cd0e}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2085	WT-22-027	2022-08-01 4:17	Field1_ConsultEcoLogic	2022-08-01 4:17	Field1_ConsultEcoLogic	{f8bfea5c-fbe2-4d7d-ab49-746aa4f38c74}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2086	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{1891cef1-4dcd-46a0-9cf8-5aa3b89fd000}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2087	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{45e378ce-5db6-490c-a47b-4376565c7806}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2088	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{f7e725ed-10bf-445b-9135-dc5da735b159}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2089	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{3943db5b-5356-4795-85da-4017d483f5cd}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2090	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{d16d5832-8b0a-41e7-8281-7acfd739a0ae}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2091	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{33213c72-7de0-401c-bee7-058944775d5d}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2092	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{74a7bd02-7660-4d9e-902a-1372c1220239}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2093	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{328aec35-e5f9-48e1-bb6a-d88a0ae991bb}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2094	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{7906bbbd-9fbc-46be-b842-e87302bc1fc2}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2095	WT-22-069	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{05f2c940-5870-4d51-b3df-918deaf2bb20}	{7d2b0eb6-1296-42d3-8e85-933d8e94a10f}
2096	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{9321a32a-41c9-4587-ab19-6e7658a23212}	{44691850-3329-47d2-b67e-91a45acdb810}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
2097	WT-22-071	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
2098	WT-22-071	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					30	
2099	WT-22-071	Blackwater	*Vaccinium oxycoccos*	VACCOXY	bog cranberry	Yellow	No Status	Herb					1	
2100	WT-22-071	Blackwater	*Eriophorum chamissonis var. chamissonis*	ERIOCHA3	Chamisso's cotton-grass	Yellow	No Status	Herb						0.1
2101	WT-22-071	Blackwater	*Cladina species*	CLADINA	Cladina species	none	none	Moss or Lichen						
2102	WT-22-071	Blackwater	*Cladonia species*	CLADONI	Cladonia species	none	none	Moss or Lichen						
2103	WT-22-071	Blackwater	*Gaultheria hispidula*	GAULHIS	creeping wintergreen	Yellow	No Status	Tree or Shrub					0.1	
2104	WT-22-023	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						20
2105	WT-22-027	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						
2106	WT-22-046	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					10	
2107	WT-22-046	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub				10	40	
2108	WT-22-046	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub					10	
2109	WT-22-046	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub					1	
2110	WT-22-046	Blackwater	*Ribes triste*	RIBETRI	red swamp currant	Yellow	No Status	Tree or Shrub					0.5	
2111	WT-22-046	Blackwater	*Rosa woodsii ssp. woodsii*	ROSAWOO2	Wood's rose	Yellow	No Status	Tree or Shrub					0.1	
2112	WT-22-046	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						50
2113	WT-22-046	Blackwater	*Carex utriculata*	CAREUTR	beaked sedge	Yellow	No Status	Herb						20
2114	WT-22-046	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						40
2115	WT-22-046	Blackwater	*Epilobium ciliatum ssp. ciliatum*	EPILCIL1	purple-leaved willowherb	Yellow	No Status	Herb						0.1
2116	WT-22-046	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						15
2117	WT-22-046	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						1
2118	WT-22-046	Blackwater	*Erigeron species*	ERIGERO	Erigeron species	none	none	Herb						15
2119	WT-22-046	Blackwater	*Sium suave*	SIUMSUA	hemlock water-parsnip	Yellow	No Status	Herb						0.1
2120	WT-22-046	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					0.1	
2121	WT-22-046	Blackwater	*Cirsium arvense*	CIRSARV	Canada thistle	Exotic	No Status	Herb						5
2122	WT-22-046	Blackwater	*Heracleum maximum*	HERAMAX	cow-parsnip	Yellow	No Status	Herb						1
2123	WT-22-046	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
2124	WT-22-101	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	1	25	3	0.1	0.1	
2125	WT-22-101	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				3	1	
2126	WT-22-101	Blackwater	*Rhododendron groenlandicum*	RHODGRO	Labrador-tea	Yellow	No Status	Tree or Shrub					5	
2128	WT-22-101	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						7
2129	WT-22-101	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						1
2130	WT-22-101	Blackwater	*Orthilia secunda*	ORTHSEC	one-sided wintergreen	Yellow	No Status	Herb						5
2131	WT-22-101	Blackwater	*Hylocomium splendens*	HYLOSPL	step moss	Yellow	No Status	Herb						25
2132	WT-22-101	Blackwater	*Ptilium crista-castrensis*	PTILCRI	knight's plume	Yellow	No Status	Moss or Lichen						
2133	WT-22-101	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
2134	WT-22-101	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						1
2135	WT-22-101	Blackwater	*Rubus pubescens*	RUBUPUB	dwarf red raspberry	Yellow	No Status	Tree or Shrub					1	
2136	WT-22-101	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
2137	WT-22-101	Blackwater	*Mitella nuda*	MITENUD	common mitrewort	Yellow	No Status	Herb						1
2138	WT-22-101	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Herb						0.1
2139	WT-22-101	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						0.1
2140	WT-22-101	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					0.1	
2141	WT-22-055	Blackwater	*Betula pumila*	BETUPUM	low birch	Yellow	No Status	Tree or Shrub					20	
2142	WT-22-055	Blackwater	*Salix pedicellaris*	SALIPED	bog willow	Yellow	No Status	Tree or Shrub					15	
2143	WT-22-055	Blackwater	*Carex aquatilis var. aquatilis*	CAREAQU2	water sedge	Yellow	No Status	Herb						40
2144	WT-22-055	Blackwater	*Comarum palustre*	COMAPAU	marsh cinquefoil	Yellow	No Status	Herb						20

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
2097	WT-22-071	75		no		no			
2098	WT-22-071			no		no			
2099	WT-22-071			no		no			
2100	WT-22-071			no		no			
2101	WT-22-071	0.1		no		no			
2102	WT-22-071	0.1		no		no			
2103	WT-22-071			no		no			
2104	WT-22-023			no		no			Remove Carex spp. entry. This is the verified entry.
2105	WT-22-027			no		no			Delete Carex spp. Add this to previous Carex utriculata entry.
2106	WT-22-046			no		no			
2107	WT-22-046			no		no			
2108	WT-22-046			no		no			
2109	WT-22-046			no		no			
2110	WT-22-046			no		no			
2111	WT-22-046			no		no			
2112	WT-22-046			no		no			
2113	WT-22-046			no		no			
2114	WT-22-046			no		no			
2115	WT-22-046			no		no			
2116	WT-22-046			no		no			
2117	WT-22-046			no		no			
2118	WT-22-046			no		no			
2119	WT-22-046			no		no			
2120	WT-22-046			no		no			
2121	WT-22-046			no		no			
2122	WT-22-046			no		no			
2123	WT-22-046	0.1		no		no			
2124	WT-22-101			no		no			
2125	WT-22-101			no		no			
2126	WT-22-101			no		no			
2128	WT-22-101			no		no			
2129	WT-22-101			no		no			
2130	WT-22-101			no		no			
2131	WT-22-101			no		no			
2132	WT-22-101	5		no		no			
2133	WT-22-101		0.1	no		no			
2134	WT-22-101			no		no			
2135	WT-22-101			no		no			
2136	WT-22-101	0.1		no		no			
2137	WT-22-101			no		no			
2138	WT-22-101			no		no			
2139	WT-22-101			no		no			
2140	WT-22-101			no		no			
2141	WT-22-055			no		yes		All mature specimens are burnt therefore it is harder to ID	60+% pre fire
2142	WT-22-055			no		no			
2143	WT-22-055			no		no			
2144	WT-22-055			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
2097	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{fb8a60bc-5d01-430a-bc14-336aa7732dea}	{44691850-3329-47d2-b67e-91a45acdb810}
2098	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{1ce79cc4-dd5b-45b5-aee1-c4eb2a894468}	{44691850-3329-47d2-b67e-91a45acdb810}
2099	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{40f3d323-8993-4ee4-ac73-70980da2193f}	{44691850-3329-47d2-b67e-91a45acdb810}
2100	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{e4399bf6-8456-4b36-9907-3c1fe0167422}	{44691850-3329-47d2-b67e-91a45acdb810}
2101	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{54e25651-73e9-4ab2-bd78-1b226fb17cee}	{44691850-3329-47d2-b67e-91a45acdb810}
2102	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{d75ff5c9-1800-4414-a776-60ee7f57e682}	{44691850-3329-47d2-b67e-91a45acdb810}
2103	WT-22-071	2022-08-02 2:43	Field1_ConsultEcoLogic	2022-08-02 2:43	Field1_ConsultEcoLogic	{5b277d70-2e27-43fb-b1ae-07c70f021c75}	{44691850-3329-47d2-b67e-91a45acdb810}
2104	WT-22-023	2022-08-02 3:35	Field1_ConsultEcoLogic	2022-08-02 3:35	Field1_ConsultEcoLogic	{4cd3b1cd-2571-4d86-9bc4-cbd697619776}	{458f7b90-0018-4c9c-9e39-352c25331acc}
2105	WT-22-027	2022-08-02 3:37	Field1_ConsultEcoLogic	2022-08-02 3:37	Field1_ConsultEcoLogic	{9089f289-890f-490d-af34-4f6e9176235a}	{88923c9a-e7ab-4cb1-9331-6cbc7dc1acb2}
2106	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{153a9cd4-2c4e-4d0d-a294-f89851e03f8e}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2107	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{801f67e6-20e4-448b-9429-017f459e0636}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2108	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{b349d6d4-e64d-4f37-9523-82f5f4df2dc1}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2109	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{6c9c1490-6c76-4fbb-9150-fd9281dff690}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2110	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{39c94afb-98bd-40a7-8f06-20dbdc80b878}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2111	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{25ef663c-2b5d-45ba-a475-15b576460376}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2112	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{2a4065f1-c09d-4ba6-912c-50386a361d9c}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2113	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{0ef13695-894a-42ef-baa1-457fd83a35c2}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2114	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{c78c1141-b2b0-429d-a036-9a5b152a7c03}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2115	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{6b78dc1b-00e9-48c5-97d7-1a2bc356d880}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2116	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{3134bf13-c9b2-4166-8653-3bb60902e0d7}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2117	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{f295bf12-e9cf-4492-95d2-83bdc4dc0219}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2118	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{d0b6fe89-fd07-4e8f-a44c-45c7d9b951e9}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2119	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{73e5d235-4ef4-4b8b-ba32-bf2494febbec}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2120	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{79b096f4-b928-4cae-8c95-b790e1a1832d}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2121	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{cf422571-c808-400f-846a-a47271fbf209}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2122	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{08fba43c-9c82-489f-a8ae-8ba66787068c}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2123	WT-22-046	2022-08-02 5:21	Field1_ConsultEcoLogic	2022-08-02 5:21	Field1_ConsultEcoLogic	{80be0086-c79c-4833-af73-df779fcbc834}	{241fdd8b-db82-40bc-9a32-01e80f3aa195}
2124	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{b78c9907-bb66-4aa8-a28e-e51d2e70eaeb}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2125	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{3dd32b83-2b13-4ff9-a522-155663b6cb39}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2126	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{e0220cc7-7b55-4315-bb47-2bbe3be8ef4a}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2128	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{e683c9d3-2f08-43a3-97e0-da85ed8a790c}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2129	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{968128c2-b7ce-4ed5-a033-6ab07867eb57}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2130	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{110b7cb4-3219-42ec-980d-5ec585729663}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2131	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{bf2ef825-b743-4e58-a70a-8a51aab21d0b}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2132	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{d6b06eb9-e8a9-44bf-90f5-646f0fc3f736}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2133	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{368eb28b-5798-4db0-b0a5-88a977185958}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2134	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{a3998272-678c-4705-998b-d44e7e6b8282}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2135	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{e27ddf44-eb1d-43dd-b386-96446f7f4269}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2136	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{29cd663e-33bd-4a67-9dc4-5ad62395ecfc}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2137	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{626437c1-3552-4741-961f-b171fc8b4ea8}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2138	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{d34b4119-8eb0-4dea-87e8-1b62a452cdf4}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2139	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{fe0de76d-a291-4444-9304-9db9d2538325}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2140	WT-22-101	2022-08-03 1:41	Field1_ConsultEcoLogic	2022-08-03 1:41	Field1_ConsultEcoLogic	{670d7899-627a-437a-bbe8-781b900ce3ba}	{0306037e-e050-41c4-ab4a-b49ecbebcd39}
2141	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{7420fcd1-15ef-49e0-a3a4-db7c5fa15056}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2142	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{3d8bda8f-2d00-4e32-baa9-3dea57c95eeb}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2143	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{018a117c-ec30-4d3a-9adb-d99d45ff8087}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2144	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{6beaa684-f77b-4ff7-bc29-8cd8b944a38d}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
2145	WT-22-055	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
2146	WT-22-055	Blackwater	*Sphagnum species*	SPHAGNU	Sphagnum species	none	none	Moss or Lichen						
2147	WT-22-055	Blackwater	*Tomentypnum nitens*	TOMENIT		Yellow	No Status	Moss or Lichen						
2148	WT-22-055	Blackwater	*Galium labradoricum*	GALILAB	northern bog bedstraw	Yellow	No Status	Herb						0.1
2149	WT-22-055	Blackwater	*Marchantia polymorpha ssp. polymorpha*	MARCPOL2		Unknown	No Status	Moss or Lichen						
2150	WT-22-062	Blackwater	*Picea glauca*	PICEGLA	white spruce	Yellow	No Status	Tree or Shrub	5					
2151	WT-22-062	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						60
2152	WT-22-062	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					20	
2153	WT-22-062	Blackwater	*Mnium species*	MNIUM	Mnium species	none	none	Moss or Lichen						
2154	WT-22-148	Blackwater	*Abies lasiocarpa*	ABIELAS	subalpine fir	Yellow	No Status	Tree or Shrub		7		0.1	7	
2155	WT-22-148	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub	1	10			5	
2156	WT-22-148	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				35	15	
2157	WT-22-148	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					1	
2158	WT-22-148	Blackwater	*Streptopus amplexifolius*	STREAMP	clasping twistedstalk	Yellow	No Status	Tree or Shrub					0.1	
2159	WT-22-148	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					1	
2160	WT-22-148	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub					0.1	
2161	WT-22-148	Blackwater	*Senecio triangularis*	SENETRI	arrow-leaved groundsel	Yellow	No Status	Herb						0.1
2162	WT-22-148	Blackwater	*Cornus canadensis*	CORNCAN	bunchberry	Yellow	No Status	Herb						0.1
2163	WT-22-148	Blackwater	*Gymnocarpium dryopteris*	GYMNDRY	oak fern	Yellow	No Status	Herb						10
2164	WT-22-148	Blackwater	*Carex disperma*	CAREDIS	soft-leaved sedge	Yellow	No Status	Herb						3
2165	WT-22-148	Blackwater	*Equisetum sylvaticum*	EQUISYL	wood horsetail	Yellow	No Status	Herb						3
2166	WT-22-148	Blackwater	*Lycopodium annotinum*	LYCOANN	stiff club-moss	Yellow	No Status	Herb						1
2167	WT-22-148	Blackwater	*Rubus pedatus*	RUBUPED	five-leaved bramble	Yellow	No Status	Herb						5
2168	WT-22-148	Blackwater	*Tiarella trifoliata var. trifoliata*	TIARTRI1	three-leaved foamflower	Yellow	No Status	Herb						1
2169	WT-22-148	Blackwater	*Pyrola asarifolia ssp. asarifolia*	PYROASA1	pink wintergreen	Yellow	No Status	Herb						1
2170	WT-22-148	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						0.1
2171	WT-22-148	Blackwater	*Plagiomnium species*	PLAGIOM	Plagiomnium species	none	none	Moss or Lichen						
2172	WT-22-148	Blackwater	*Polytrichum species*	POLYTRI	Polytrichum species	none	none	Moss or Lichen						
2173	WT-22-148	Blackwater	*Brachythecium species*	BRACHYT	Brachythecium species	none	none	Moss or Lichen						
2174	WT-22-148	Blackwater	*Moneses uniflora*	MONEUNI	single delight	Yellow	No Status	Herb						0.1
2175	WT-22-148	Blackwater	*Bryoria species*	BRYORIA	Bryoria species	none	none	Epiphyte						
2176	WT-22-163	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub		0.1				
2177	WT-22-163	Blackwater	*Populus trichocarpa*	POPUTRI	black cottonwood	Yellow	No Status	Tree or Shrub		3				
2178	WT-22-163	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					10	
2179	WT-22-163	Blackwater	*Salix drummondiana*	SALIDRU	Drummond's willow	Yellow	No Status	Tree or Shrub				10	20	
2180	WT-22-163	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						40
2181	WT-22-163	Blackwater	*Petasites frigidus var. palmatus*	PETAFRI3	sweet coltsfoot	Yellow	No Status	Herb						0.1
2182	WT-22-163	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						1
2183	WT-22-163	Blackwater	*Achillea millefolium*	ACHIMIL	yarrow	Exotic	No Status	Herb						0.1
2184	WT-22-163	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub					0.1	
2185	WT-22-163	Blackwater	*Hieracium species*	HIERACI	Hieracium species	none	none	Herb						0.1
2186	WT-22-163	Blackwater	*Castilleja hispida var. hispida*	CASTHIS1	harsh paintbrush	Yellow	No Status	Herb						0.1
2187	WT-22-163	Blackwater	*Sambucus racemosa var. leucocarpa*	SAMBRAC6	eastern red elderberry	Yellow	No Status	Tree or Shrub						
2188	WT-22-163	Blackwater	*Phleum pratense ssp. pratense*	PHLEPRA1	common timothy	Exotic	No Status	Herb						1
2189	WT-22-163	Blackwater	*Rhinanthus minor ssp. minor*	RHINMIN1	yellow rattle	Yellow	No Status	Herb						5
2190	WT-22-163	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						1
2191	WT-22-163	Blackwater	*Eurybia conspicua*	EURYCON	showy aster	Yellow	No Status	Herb						1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
2145	WT-22-055	1		no		no			
2146	WT-22-055	2		no		no			Would be 60+ pre fire
2147	WT-22-055	2		no		no			Best guess is 30+ pre fire
2148	WT-22-055			no		no			
2149	WT-22-055	0.1		no		no			
2150	WT-22-062			no		no			
2151	WT-22-062			no		no			
2152	WT-22-062			no		no			
2153	WT-22-062	40		no		no			
2154	WT-22-148			no		no			
2155	WT-22-148			no		no			
2156	WT-22-148			no		no			
2157	WT-22-148			no		no			
2158	WT-22-148			no		no			
2159	WT-22-148			no		no			
2160	WT-22-148			no		no			
2161	WT-22-148			no		no			
2162	WT-22-148			no		no			
2163	WT-22-148			no		no			
2164	WT-22-148			no		no			
2165	WT-22-148			no		no			
2166	WT-22-148			no		no			
2167	WT-22-148			no		no			
2168	WT-22-148			no		no			
2169	WT-22-148			no		no			
2170	WT-22-148			no		no			
2171	WT-22-148	7		no		no			
2172	WT-22-148	1		no		no			
2173	WT-22-148	0.1		no		no			
2174	WT-22-148			no		no			
2175	WT-22-148		0.1	no		no			
2176	WT-22-163			no		no			
2177	WT-22-163			no		no			
2178	WT-22-163			no		no			
2179	WT-22-163			no		no			
2180	WT-22-163			no		no			
2181	WT-22-163			no		no			
2182	WT-22-163			no		no			
2183	WT-22-163			no		no			
2184	WT-22-163			no		no			
2185	WT-22-163			yes	ange hawkwe	no			
2186	WT-22-163			no		no			
2187	WT-22-163			no		no			
2188	WT-22-163			no		no			
2189	WT-22-163			no		no			
2190	WT-22-163			no		no			
2191	WT-22-163			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
2145	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{f458b0c0-cce0-4d91-b663-4295a249fc52}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2146	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{d4de8000-6ef9-4c94-babc-57baf9db8167}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2147	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{97652475-0359-40a8-b1fc-9906110fe0ef}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2148	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{996254f1-d85c-451c-a81e-76a340ccb2ed}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2149	WT-22-055	2022-08-04 13:40	Field1_ConsultEcoLogic	2022-08-04 13:40	Field1_ConsultEcoLogic	{24d71a91-0748-4832-aeb3-ce44fc1a0e88}	{36e5ab8a-bd6a-4ce4-a0f1-b8b847da106f}
2150	WT-22-062	2022-08-04 14:06	mrobinson_ConsultEcoLogi	2022-08-04 14:06	mrobinson_ConsultEcoLogic	{0c209197-d600-4b0c-8a4b-857d2f1cc12d}	{0a98702e-1e18-4e0b-8af1-edd25ac9af4e}
2151	WT-22-062	2022-08-04 14:06	mrobinson_ConsultEcoLogi	2022-08-04 14:06	mrobinson_ConsultEcoLogic	{3b1cdef5-6b8d-46b6-93a3-e602be44a3a0}	{0a98702e-1e18-4e0b-8af1-edd25ac9af4e}
2152	WT-22-062	2022-08-04 14:06	mrobinson_ConsultEcoLogi	2022-08-04 14:06	mrobinson_ConsultEcoLogic	{e30d2f4e-9214-411d-84b6-f410a36adaf5}	{0a98702e-1e18-4e0b-8af1-edd25ac9af4e}
2153	WT-22-062	2022-08-04 14:06	mrobinson_ConsultEcoLogi	2022-08-04 14:06	mrobinson_ConsultEcoLogic	{44d841ce-6990-4fb6-b802-9d1f8b0e1c63}	{0a98702e-1e18-4e0b-8af1-edd25ac9af4e}
2154	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{380baf64-272c-4579-8955-a8b22868ddca}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2155	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{adad1796-48ab-4b9b-89f8-7f081a496802}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2156	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{f38352ca-fb97-41cc-9e27-d083589877e5}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2157	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{cf80846d-5f39-45d1-ac33-be63d5920c2a}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2158	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{eb04492c-55e7-438e-940e-c2e0eec0a600}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2159	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{2a7f60c0-3049-47bc-9f84-434ad55eb207}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2160	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{d4ab40fc-5014-4c02-91a9-3d2063726b2d}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2161	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{fca25f9a-44b8-485f-9773-0c011ce61033}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2162	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{cf6081b1-1c59-4b19-91ca-c9cda5c20bd7}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2163	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{47600020-117e-4193-a36f-6d45501b8532}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2164	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{f06c0f72-e369-4c51-af8d-0c6d71a0db21}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2165	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{9041aaf0-90b2-429f-96fc-ab8d5d6095d5}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2166	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{26af33c4-48c0-4f23-a41a-6775675c4864}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2167	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{224b94fd-f65a-4114-948d-5b5391c38bc5}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2168	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{e474b51e-252b-4587-9f6c-567e491860b4}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2169	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{abd3b1b8-ef00-4d80-a270-92d2d72f2634}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2170	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{3350a733-c430-4a07-a89a-6e84c2c765dc}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2171	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{3fdf540a-1946-41f3-abfc-e63a3c8137c8}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2172	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{d585eee7-6064-40cf-93ae-812921c06f67}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2173	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{bdad7d9f-bb5f-4dd3-87ec-4993f7330129}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2174	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{92706749-5884-48c5-9c1b-6c7b0f890c5e}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2175	WT-22-148	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{01e575a4-ff8c-4c9b-949f-9f47eb37b71e}	{4c2aa017-587a-4e69-8829-8d6198a09587}
2176	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{9dfa7182-0593-42de-bab4-bc501a09e542}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2177	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{85ff550f-394c-46f7-a7f7-2a3ce1f79f22}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2178	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{93ccd171-89c8-4f4d-b986-a1a0ef459f95}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2179	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{f9eae6dd-c008-4a3f-a188-0f7db87db314}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2180	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{cb1d4438-4782-4122-a0f4-7c9e99943485}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2181	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{45836b6f-3ff8-4c13-aa24-b7584f0a9309}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2182	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{00a83264-41ab-400b-97a3-e09d9d767ae2}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2183	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{3266f568-ed80-4303-bdbe-183bf67be43e}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2184	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{32ce86f9-c465-4139-840c-5bd5655f749f}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2185	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{b1c14f35-83ae-4202-95ad-3bde091faa96}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2186	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{8dfa5d3a-c219-4c0f-81b0-0de0b0ad4ba0}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2187	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{a8f109d2-8583-4ba9-9e43-1860f2ed113f}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2188	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{7daa261c-374c-4231-a57d-4ff06e847adb}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2189	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{09b3a112-3105-485f-b54e-164d3ce21102}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2190	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{ebcd4f82-758b-43ab-979c-6612b6753703}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2191	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{31c5c1b0-14df-4991-919a-d1e4c63223b7}	{bd14353a-00c4-410e-9848-271b026f6ad5}

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID V	Project ID V	Species Name	Species Code	Species Common Name	BC Listing	COSEWIC	Vegetation Layer	A1 Dominant Trees (%)	A2 Codominant Trees (%)	A3 Sub-Canopy Trees (%)	B1 Tall Shrub Layer (%)	B2 Low Shrub Layer (%)	C Low Herb Layer (%)
2192	WT-22-163	Blackwater	*Carex cusickii*	CARECUS	Cusick's sedge	Yellow	No Status	Herb						20
2193	WT-22-163	Blackwater	*Geum macrophyllum var. macrophyllum*	GEUMMAC1	large-leaved avens	Yellow	No Status	Herb						1
2194	WT-22-163	Blackwater	*Taraxacum officinale*	TARAOFF	common dandelion	Exotic	No Status	Herb						
2195	WT-22-163	Blackwater	*Heracleum maximum*	HERAMAX	cow-parsnip	Yellow	No Status	Herb						1
2196	WT-22-163	Blackwater	*Rubus leucodermis var. leucodermis*	RUBULEU1	black raspberry	Yellow	No Status	Tree or Shrub					1	
2197	WT-22-163	Blackwater	*Symphyotrichum species*	SYMPHYO	Symphyotrichum species	none	none	Herb						
2198	WT-22-163	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub				0.1		
2199	WT-22-163	Blackwater	*Veronica serpyllifolia var. serpyllifolia*	VEROSER4	thyme-leaved speedwell	Exotic	No Status	Herb						0.1
2200	WT-22-163	Blackwater	*Leucanthemum vulgare*	LEUCVUL	oxeye daisy	Exotic	No Status	Herb						0.1
2201	WT-22-163	Blackwater	*Hieracium species*	HIERACI	Hieracium species	none	none	Herb						0.1
2202	WT-22-311	Blackwater	*Alnus incana ssp. tenuifolia*	ALNUINC2	mountain alder	Yellow	No Status	Tree or Shrub				15	3	
2203	WT-22-311	Blackwater	*Lonicera involucrata var. involucrata*	LONIINV1	black twinberry	Yellow	No Status	Tree or Shrub					15	
2204	WT-22-311	Blackwater	*Calamagrostis canadensis var. canadensis*	CALACAN6	bluejoint reedgrass	Yellow	No Status	Herb						60
2205	WT-22-311	Blackwater	*Picea x albertiana*	PICEENE	hybrid white spruce	No Status	No Status	Tree or Shrub					0.1	
2206	WT-22-311	Blackwater	*Pinus contorta var. latifolia*	PINUCON2	lodgepole pine	Yellow	No Status	Tree or Shrub				1		
2207	WT-22-311	Blackwater	*Athyrium filix-femina var. cyclosorum*	ATHYFIL4	lady fern	Yellow	No Status	Herb						3
2208	WT-22-311	Blackwater	*Geum macrophyllum var. perincisum*	GEUMMAC5	large-leaved avens	Yellow	No Status	Herb						0.1
2209	WT-22-311	Blackwater	*Ribes hudsonianum var. hudsonianum*	RIBEHUD1	northern blackcurrant	Yellow	No Status	Tree or Shrub					0.1	
2210	WT-22-311	Blackwater	*Cornus sericea*	CORNSER	red-osier dogwood	Yellow	No Status	Tree or Shrub					0.1	
2211	WT-22-311	Blackwater	*Equisetum arvense*	EQUIARV	common horsetail	Yellow	No Status	Herb						5
2212	WT-22-311	Blackwater	*Veronica beccabunga var. americana*	VEROBEC1	American speedwell	Yellow	No Status	Herb						0.1
2213	WT-22-311	Blackwater	*Urtica dioica ssp. dioica*	URTIDIO2	stinging nettle	Exotic	No Status	Herb						0.1
2214	WT-22-311	Blackwater	*Rosa acicularis ssp. sayi*	ROSAACI1	prickly rose	Yellow	No Status	Tree or Shrub						
2215	WT-22-311	Blackwater	*Ribes lacustre*	RIBELAC	black gooseberry	Yellow	No Status	Tree or Shrub					0.1	
2216	WT-22-311	Blackwater	*Maianthemum racemosum ssp. amplexicaule*	MAIARAC1	false Solomon's-seal	Yellow	No Status	Herb						0.1
2217	WT-22-311	Blackwater	*Chamaenerion angustifolium*	CHAMANG	fireweed	Yellow	No Status	Herb						0.1
2218	WT-22-311	Blackwater	*Linnaea borealis ssp. borealis*	LINNBOR3	twinflower	Unknown	No Status	Herb						0.1
2219	WT-22-311	Blackwater	*Rubus idaeus ssp. strigosus*	RUBUIDA3	red raspberry	Yellow	No Status	Tree or Shrub					0.1	
2220	WT-22-311	Blackwater	*Viola species*	VIOLA	Viola species	none	none	Herb						0.1

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	D Moss, Lichen, Liverwort, and Seedling Layer (%)	E Ephiphyte Layer (%)	Is the species missing from the drop down above?	Manually entered species	Did you collect a specimen?	Collection ID	Collection Notes	Comments
2192	WT-22-163			no		no			
2193	WT-22-163			no		no			
2194	WT-22-163			no		no			
2195	WT-22-163			no		no			
2196	WT-22-163			no		no			
2197	WT-22-163			no		no			
2198	WT-22-163			no		no			
2199	WT-22-163			no		no			
2200	WT-22-163			no		no			
2201	WT-22-163			yes	llow hawkwe	no			Mix of native and invasive yellow hawkweed.
2202	WT-22-311			no		no			
2203	WT-22-311			no		no			
2204	WT-22-311			no		no			
2205	WT-22-311			no		no			
2206	WT-22-311			no		no			
2207	WT-22-311			no		no			
2208	WT-22-311			no		no			
2209	WT-22-311			no		no			
2210	WT-22-311			no		no			
2211	WT-22-311			no		no			
2212	WT-22-311			no		no			
2213	WT-22-311			no		no			
2214	WT-22-311			no		no			
2215	WT-22-311			no		no			
2216	WT-22-311			no		no			
2217	WT-22-311			no		no			
2218	WT-22-311			no		no			
2219	WT-22-311			no		no			
2220	WT-22-311			no		no			

Table H-2: Wetland Baseline Data (2022) - Vegetation

Object ID	Plot ID	Creation Date	Creator	Edit Date	Editor	Global ID	Parent Global ID
2192	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{4a262896-e8f9-4a80-aed0-1650d5f542bf}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2193	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{7688683e-0b6c-4cf7-a198-74f517ab0c2e}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2194	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{3c7e0219-3779-4071-9523-aa5da7c7be14}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2195	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{540a891e-7f19-428e-a99f-a597f1c1551e}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2196	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{80c452b2-e59e-410a-b7a4-56cb105cf8d5}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2197	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{13226907-f8e6-4500-9320-1404757a1f69}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2198	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{8fc665c3-16f1-465e-9057-4eab49d7259a}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2199	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{936c02f8-2df8-4dec-a09e-ea63cfd26dc8}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2200	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{1eb27051-fef2-46fc-89aa-81f3b3f14911}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2201	WT-22-163	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{6416e150-7779-42af-b222-c1b0e2ad8698}	{bd14353a-00c4-410e-9848-271b026f6ad5}
2202	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{d9ae2812-f602-441b-be47-5c828afd73ab}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2203	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{561428da-ac3a-49a3-bdef-b23db67e366b}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2204	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{eeb8c87c-cc40-4db1-a9fc-bd834011c1d2}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2205	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{aea5b74b-d6c9-49c9-8c8f-8c66e426de51}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2206	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{9e5a57dc-3fa2-4de0-8ec2-f8dd3671a36b}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2207	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{50aa6b85-5fec-43e7-addb-b8e17d186b93}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2208	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{f3f529ae-d309-4876-a361-6ac1c2fc649a}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2209	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{4130ca85-f738-41ef-b3ea-134b76b05a4a}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2210	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{5eb13c59-b001-4b65-b982-17a5c06b6e8b}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2211	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{1fe9ea9c-cad1-46e3-b7c5-e35815f9c085}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2212	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{0f1a33cb-bb45-41ea-a972-35f6704f42c0}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2213	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{7ca4916f-cda3-4491-bcb7-6eeae2826783}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2214	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{df0ed45d-cea7-4fb9-9306-deed68fc6b92}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2215	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{a1b8c5b3-d446-493b-b99d-eece989f06df}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2216	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{988ea3a9-63ec-47b2-8ba6-77dc1dc30e5d}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2217	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{0284d71e-3166-475d-bf17-798228ee167a}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2218	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{c866e4e6-2dd5-43f4-b9ec-6039fd37be5c}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2219	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{e2c33df4-7805-468e-9e18-84cb822f56c6}	{73c67eff-9e50-44ca-803c-d68b6e39c421}
2220	WT-22-311	2022-08-04 23:41	Field1_ConsultEcoLogic	2022-08-04 23:41	Field1_ConsultEcoLogic	{b2f5689b-0ae8-4a3c-9f16-89b8bb369bd8}	{73c67eff-9e50-44ca-803c-d68b6e39c421}

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Project ID M	Horizon	Top Depth	Lower Depth	Texture	Colour	ASP	Gravel	Cobble	Stone	Total	Coarse Fragment Shape
1	MC24	Blackwater	Ahg	0	15	SiL - Silt loam		1 - Matrix moist	0	0	0	0	
2	MC24	Blackwater	Bhg	15	78	SiL - Silt loam		1 - Matrix moist	0	0	0	0	
3	MC24	Blackwater	BCg	78	130	SiCL - Silt clay loam		1 - Matrix moist	0	0	0	0	
4	WT-22-673	Blackwater	Bhg	0	55	SiL - Silt loam	10YR3/2	1 - Matrix moist					
5	WT-22-673	Blackwater	Cg	55	65	SiCL - Silt clay loam			5	0	0	5	A - Angular
6	WT-22-453	Blackwater	Bg	0	34	Si - Silt	10YR7/1		0	0	0	0	
7	WT-22-453	Blackwater	Cg	34	38	SiCL - Silt clay loam			10	0	0	10	A - Angular
8	MC26	Blackwater	BCg	42	80	SCL - Sandy clay loam			5	0	0	5	S - Subrounded and subangular
9	MC27	Blackwater	BCg	54	80	SCL - Sandy clay loam			10	0	0	10	S - Subrounded and subangular
10	MC30	Blackwater	Bhg	7	32	SiL - Silt loam			0	0	0	0	
11	MC30	Blackwater	BCg	32	80	SCL - Sandy clay loam			10	0	0	10	S - Subrounded and subangular
12	MC34	Blackwater	Bhg	23	42	SCL - Sandy clay loam			10	0	0	10	S - Subrounded and subangular
13	WT-22-569	Blackwater	Bhg	25	67				0	0	0	0	
14	WT-22-569	Blackwater	C	67	80	SCL - Sandy clay loam			10	0	0	10	S - Subrounded and subangular
15	MC01	Blackwater	Ap	0	10	SiL - Silt loam		1 - Matrix moist	0	0	0	0	
16	MC01	Blackwater	Bg	10	96	SiCL - Silt clay loam		1 - Matrix moist	0	0	0	0	
17	MC05	Blackwater	Ahg	0	12	SiL - Silt loam		1 - Matrix moist	0	0	0	0	
18	MC05	Blackwater	Bg	12	90	SiCL - Silt clay loam		1 - Matrix moist	0	0	0	0	
19	MC05	Blackwater	Cg	90	120	SiCL - Silt clay loam		1 - Matrix moist	0	0	0	0	
20	MC12	Blackwater	Ah	0	4	SiL - Silt loam	2.5YR4/1	1 - Matrix moist	0	0	0	0	
21	MC12	Blackwater	Bhg	4	26	SiL - Silt loam	2.5YR3/3	1 - Matrix moist	0	0	0	0	
22	MC12	Blackwater	Bg	26	98	SiCL - Silt clay loam	GLEY14/10Y	1 - Matrix moist	0	0	0		
23	MC14	Blackwater	Ah	0	4	SiL - Silt loam	2.5YR3/2	1 - Matrix moist	0	0	0	0	
24	MC14	Blackwater	Bhg	4	56	SiCL - Silt clay loam	GLEY13/10Y	1 - Matrix moist	0	0	0	0	
25	WT-22-624	Blackwater	Bg	25	55	Si - Silt			5	0	0	5	
26	WT-22-455	Blackwater	Bg	0	60	SiCL - Silt clay loam	GLEY1		5	0	0	5	
27	WT-22-621	Blackwater	Bg	0	37	Si - Silt	GLEY1		5	0	0	5	
28	WT-22-619	Blackwater	Bg	32	62	SiCL - Silt clay loam	GLEY1		0	0	0	0	
29	WT-22-620	Blackwater	Cg	65	84	SiL - Silt loam			0	0	0	0	
30	WT-22-345	Blackwater	Bhg	23	65	SiL - Silt loam			0	0	0	0	
31	WT-22-345	Blackwater	Cg	65	100	SCL - Sandy clay loam			10	0	0	10	S - Subrounded and subangular
32	WT-22-594	Blackwater	Bhg	0	23	SiL - Silt loam			0	0	0	0	
33	WT-22-594	Blackwater	Bg	23	60	SiL - Silt loam			0	0	0	0	
34	WT-22-367	Blackwater	Bhg	57	65	SiCL - Silt clay loam			0	0	0	0	
35	WT-22-590	Blackwater	Ahg	0	9	SiL - Silt loam			0	0	0	0	
36	WT-22-590	Blackwater	Bhg	9	35	SiL - Silt loam			0	0	0	0	
37	WT-22-590	Blackwater	BCg	35	80	SCL - Sandy clay loam			5	5	0	10	S - Subrounded and subangular
38	WT-22-227a	Blackwater	Bm	0	24	Si - Silt			0	0	0	0	
39	WT-22-227a	Blackwater	C	25	67	S - Sand			0	0	0	0	
40	WT-22-194	Blackwater	Bm	0	31	SL - Sandy loam			0	0	0	0	
41	WT-22-194	Blackwater	C	32	41	S - Sand			0	0	0	0	
42	WT-22-220	Blackwater	C	0	58	S - Sand			15	0	0	15	S - Subrounded and subangular
43	WT-22-424a	Blackwater	Bg	0	65	C - Clay	GLEY1		0	0	0	0	
44	WT-22-424a	Blackwater	C	65	73	S - Sand			0	0	0	0	
45	WT-22-417	Blackwater	Ah	0	9	SiL - Silt loam			0	0	0	0	
46	WT-22-417	Blackwater	Bg	9	68	SiCL - Silt clay loam			0	0	0	0	

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Root Abbundance	Root Size	Structure Class	Structure Kind	pH	Sampled?	Comments
1	MC24	A - Abundant	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky		No	
2	MC24	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
3	MC24	X - None		M - Medium	SBK - Sub angular blocky			
4	WT-22-673	A - Abundant	F - Fine (1-2mm)	F - Fine				
5	WT-22-673	F - Few	F - Fine (1-2mm)	F - Fine				
6	WT-22-453	F - Few	M - Medium (3-5mm)	F - Fine				
7	WT-22-453	X - None						2.5GY 8/0
8	MC26	X - None		C - Coarse	MA - Massive		No	
9	MC27	X - None						
10	MC30	X - None	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
11	MC30	X - None		C - Coarse	SBK - Sub angular blocky			
12	MC34	F - Few	C - Coarse (>5mm)	C - Coarse	SBK - Sub angular blocky			
13	WT-22-569	F - Few	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
14	WT-22-569	X - None		C - Coarse	SBK - Sub angular blocky			
15	MC01	P - Plentiful	M - Medium (3-5mm)	F - Fine	MA - Massive		No	
16	MC01	X - None		M - Medium	PL - Platy		No	
17	MC05	F - Few	F - Fine (1-2mm)	M - Medium	SBK - Sub angular blocky		No	Mottled and gleyed
18	MC05	X - None		M - Medium	SBK - Sub angular blocky		No	Strongly mottled and gleyed
19	MC05	X - None		M - Medium	SBK - Sub angular blocky		No	Strongly mottled
20	MC12	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky		No	
21	MC12	F - Few	F - Fine (1-2mm)	M - Medium	SBK - Sub angular blocky			
22	MC12	X - None		M - Medium	SBK - Sub angular blocky			
23	MC14	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
24	MC14	X - None		M - Medium	SBK - Sub angular blocky			
25	WT-22-624	P - Plentiful	F - Fine (1-2mm)	F - Fine			No	
26	WT-22-455	A - Abundant	F - Fine (1-2mm)	F - Fine			No	
27	WT-22-621	F - Few	F - Fine (1-2mm)	F - Fine			No	
28	WT-22-619	P - Plentiful	V - Very fine (<1mm)	F - Fine			No	
29	WT-22-620	X - None		F - Fine				
30	WT-22-345	F - Few	C - Coarse (>5mm)	F - Fine	SBK - Sub angular blocky		No	
31	WT-22-345	X - None		M - Medium	SBK - Sub angular blocky			
32	WT-22-594	A - Abundant	F - Fine (1-2mm)	F - Fine	SBK - Sub angular blocky			
33	WT-22-594	F - Few	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
34	WT-22-367	X - None		M - Medium	SBK - Sub angular blocky			
35	WT-22-590	A - Abundant	F - Fine (1-2mm)	F - Fine	MA - Massive			
36	WT-22-590	F - Few	C - Coarse (>5mm)	F - Fine	SBK - Sub angular blocky			
37	WT-22-590	X - None		C - Coarse	SBK - Sub angular blocky			
38	WT-22-227a	P - Plentiful	M - Medium (3-5mm)	F - Fine			No	
39	WT-22-227a	X - None	V - Very fine (<1mm)	C - Coarse	SGR - Single grained		No	
40	WT-22-194	F - Few	F - Fine (1-2mm)	C - Coarse	SGR - Single grained		No	
41	WT-22-194	X - None		C - Coarse	SGR - Single grained		No	
42	WT-22-220	F - Few	F - Fine (1-2mm)	C - Coarse	SGR - Single grained		No	Charcoal
43	WT-22-424a	F - Few	V - Very fine (<1mm)	VF - Very fine			No	
44	WT-22-424a	X - None			SGR - Single grained		No	
45	WT-22-417	A - Abundant	M - Medium (3-5mm)				No	
46	WT-22-417	F - Few	M - Medium (3-5mm)				No	Distinct mottling

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Global ID	Parent Global ID	Creation Date	Creator	Edit Date	Editor
1	MC24	{29e456df-144a-4b8d-a522-73e2c90ca31c}	{fa44c0a3-c062-43a8-b96c-e9fc7b2217be}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
2	MC24	{41464d63-a559-45d4-a7c6-e2104ff27d2b}	{fa44c0a3-c062-43a8-b96c-e9fc7b2217be}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
3	MC24	{7df63981-cae4-4b48-8c4d-1f9e643e3751}	{fa44c0a3-c062-43a8-b96c-e9fc7b2217be}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
4	WT-22-673	{1bc36e4b-042b-40f6-9f61-2f42e7ac1eac}	{7209c10e-8c04-48dc-9a00-670358dc0b8e}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
5	WT-22-673	{901a742d-0637-4cc9-8c92-862631455ee2}	{7209c10e-8c04-48dc-9a00-670358dc0b8e}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
6	WT-22-453	{c7148d5e-03a9-458f-9c2a-40ba28891642}	{39fe5e62-69a1-4abf-bf77-5ac715070666}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
7	WT-22-453	{6ba8a213-6c8f-4fdd-b5d8-db50a7cdb0d0}	{39fe5e62-69a1-4abf-bf77-5ac715070666}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
8	MC26	{ae176e53-b421-408e-b476-3c9f46532b0d}	{5a25af61-a379-4c86-9b22-cdd1de43218d}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
9	MC27	{9c50f042-588e-4a3b-b0bc-13d93ad8fc10}	{2bf3258e-6cc5-42ed-8f49-9ae8c706feab}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
10	MC30	{22fc2255-29b8-47ff-ad2e-29b8ac88765c}	{ec0436d0-bf28-4fda-995a-fca05e5b20ca}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
11	MC30	{f32f5d4d-4423-417a-807f-f5983ba69f07}	{ec0436d0-bf28-4fda-995a-fca05e5b20ca}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
12	MC34	{c6bc3bf6-5f02-448a-84de-93336ca5f15d}	{08c25f6e-dbba-4999-b673-05d6de17364b}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
13	WT-22-569	{d882a857-1832-42dd-89a9-ea6a8ec44d6f}	{cb46f5c3-2f46-4fd8-a926-a9b14e67ae5a}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
14	WT-22-569	{20812cf4-b06b-4b8d-8941-22aa1b3c8f15}	{cb46f5c3-2f46-4fd8-a926-a9b14e67ae5a}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
15	MC01	{b2f1aa92-68c1-4239-a171-bbfbfb495e58}	{c94b038b-a600-40c2-b990-19edcd4c9d00}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
16	MC01	{665aea8a-a6f5-4157-8823-4275a4066e0f}	{c94b038b-a600-40c2-b990-19edcd4c9d00}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
17	MC05	{232dcb9f-ee07-4eb2-97fc-1277c78bab28}	{caced680-f275-479b-841d-8074d3cb6b04}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
18	MC05	{517b6795-6fe5-470b-81e1-8e1aed48755b}	{caced680-f275-479b-841d-8074d3cb6b04}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
19	MC05	{a9cf1ecf-2f3f-4c34-8572-3b22e062c544}	{caced680-f275-479b-841d-8074d3cb6b04}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
20	MC12	{1923d512-4ca8-4478-a6e6-d957266c1a6f}	{c42b5399-b670-4685-865d-8abd278d9d52}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
21	MC12	{8b7d2f0f-0c0b-48f3-90e5-cebe4842de83}	{c42b5399-b670-4685-865d-8abd278d9d52}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
22	MC12	{912adb1d-dec7-49e9-a477-1ed447774fbd}	{c42b5399-b670-4685-865d-8abd278d9d52}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
23	MC14	{2e3ae371-c376-4044-b800-86c788a69361}	{dbd437b1-1086-44e1-92b6-c185967ce719}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
24	MC14	{23afd00d-9d0f-4282-842d-70c0d328e7d4}	{dbd437b1-1086-44e1-92b6-c185967ce719}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
25	WT-22-624	{197adb43-fa23-400b-b632-3e40f5e2a493}	{621d59d8-21cd-4cf1-b7cf-cc6d066c6f00}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
26	WT-22-455	{b6d94af0-f245-4b7f-83cf-47b0ec70e294}	{b87ced70-8e39-41fe-8ef6-00e01e72c741}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
27	WT-22-621	{8e4fea8a-d5c2-4f73-b728-dc88ad61a0d8}	{715c902a-a884-4c1b-b6a3-0573b0d1956a}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
28	WT-22-619	{a6ecc22b-9f60-4640-aa58-9102e6059fd6}	{59a6e412-0389-452b-abc9-f28995ca28c2}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
29	WT-22-620	{f28c259b-7b9f-462e-bbed-adacb7353f18}	{785b5171-a59d-4a34-9462-419daf150e1d}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
30	WT-22-345	{fcf83016-1143-4848-9115-62d72cff63a7}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
31	WT-22-345	{a9907989-2a46-44b0-887e-f35c8381c617}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
32	WT-22-594	{f314d20d-035a-4526-b495-70ca4f69b013}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
33	WT-22-594	{e396e34a-3714-49ad-89d3-9047d9aab9ff}	{56645de3-04c5-4ba6-a9c5-2d4bb6fcb9f1}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
34	WT-22-367	{e98bbbbc-ab9b-4d96-96c0-5da4de554965}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
35	WT-22-590	{bf73069e-aafb-4b5d-bf7f-f15dad22793f}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
36	WT-22-590	{d41cfc95-1b34-4feb-83b7-136ca4a2cff9}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
37	WT-22-590	{e7310424-9502-49b9-93a3-28b59d6bade4}	{4925e9e3-5ffb-4074-bb80-a45d0fbc7567}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
38	WT-22-227a	{d24f6cfb-5d6b-49bc-858b-1c796114f1bb}	{7e5e0c2f-74a4-4bb0-aa0e-d7f7952bd825}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
39	WT-22-227a	{884f75d9-3172-43b5-b91c-66d360827101}	{7e5e0c2f-74a4-4bb0-aa0e-d7f7952bd825}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
40	WT-22-194	{bdf2cf99-ee15-4c61-b75f-30cb028c6e4c}	{8940ff6e-4bc3-448c-9cc4-5179c072f1a9}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
41	WT-22-194	{a47ed183-23f0-429d-ae6b-610b851dd330}	{8940ff6e-4bc3-448c-9cc4-5179c072f1a9}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
42	WT-22-220	{74610348-d939-4a6f-83a1-01af95fa72fe}	{4e384772-d528-47aa-a979-5fd827b5d862}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
43	WT-22-424a	{ec2dd35e-dbd0-45bd-8bde-e151d80e8186}	{c5b3c3af-2527-4caa-b58f-52bf4e281bf8}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
44	WT-22-424a	{d4922013-eac3-4494-afa6-ade5866c6616}	{c5b3c3af-2527-4caa-b58f-52bf4e281bf8}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
45	WT-22-417	{d6f6661a-0541-43ab-902a-db844fe1bb73}	{db730d4e-80ab-4312-833f-fc2089df1a9a}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
46	WT-22-417	{97ec5c9b-2012-4633-8ca1-b308325e2d8e}	{db730d4e-80ab-4312-833f-fc2089df1a9a}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Project ID M	Horizon	Top Depth	Lower Depth	Texture	Colour	ASP	Gravel	Cobble	Stone	Total	Coarse Fragment Shape
47	WT-22-465	Blackwater	B	0	8	S - Sand			0	0	0	0	
48	WT-22-465	Blackwater	B	8	35	SiL - Silt loam			0	0	0	0	
49	WT-22-465	Blackwater	C	35	49	S - Sand			25	0	0	25	R - Rounded
50	WT-22-403	Blackwater	Ahg	0	24	SiL - Silt loam			0	0	0	0	
51	WT-22-403	Blackwater	Bhg	24	56	SiL - Silt loam			5	0	0	5	S - Subrounded and subangular
52	WT-22-403	Blackwater	Cg	56	80	SCL - Sandy clay loam			15	10	5	30	S - Subrounded and subangular
53	WT-22-015	Blackwater	Ahg	0	11	SiL - Silt loam			0	0	0	0	
54	WT-22-015	Blackwater	Bg	11	46	SL - Sandy loam			5	0	0	5	R - Rounded
55	WT-22-467	Blackwater	Ah	0	9	SiL - Silt loam			0	0	0	0	
56	WT-22-467	Blackwater	Bhg	9	28	L - Loam			5	0	0	5	R - Rounded
57	WT-22-467	Blackwater	Cg	28	60	SL - Sandy loam			20	0	0	20	R - Rounded
58	WT-22-003	Blackwater	Bhg	0	42	Si - Silt			0	0	0	0	
59	WT-22-003	Blackwater	Bhg	42	100	SiCL - Silt clay loam			0	0	0	0	
60	WT-22-003	Blackwater	Cg	100	105	SCL - Sandy clay loam			5	0	0	5	
61	WT-22-236	Blackwater	Bg	0	36	SL - Sandy loam			65	20	0	85	
62	WT-22-011	Blackwater	Bhg	32	60	SL - Sandy loam			10	0	0	10	R - Rounded
63	WT-22-652	Blackwater	Bhg	86		SL - Sandy loam			5	0	0	5	S - Subrounded and subangular
64	WT-22-656	Blackwater	Bhg	13	55	SiL - Silt loam			0	0	0	0	
65	WT-22-656	Blackwater	Bg	55	87	SiCL - Silt clay loam			0	0	0	0	
66	WT-22-635	Blackwater	Bhg	0	45	SL - Sandy loam			0	0	0	0	
67	WT-22-635	Blackwater	Cg	45	50	S - Sand			95	0	0	95	S - Subrounded and subangular
68	WT-22-518	Blackwater	Bh	41	60	SiCL - Silt clay loam			0	0	0	0	
69	WT-22-436	Blackwater	Ahg	0	12	L - Loam			0	0	0	0	
70	WT-22-436	Blackwater	BCg	12	60	SL - Sandy loam			5	0	0	5	S - Subrounded and subangular
71	WT-22-559	Blackwater	Ah	0	4	Si - Silt			0	0	0	0	
72	WT-22-559	Blackwater	Bhg	4	20	Si - Silt			0	0	0	0	
73	WT-22-431	Blackwater	Ah	0	15	SL - Sandy loam			0	0	0	0	
74	WT-22-431	Blackwater	Bhg	20	33	Si - Silt			0	0	0	0	
75	WT-22-431	Blackwater	Bg	33	50	SiCL - Silt clay loam			0	0	0	0	
76	WT-22-431	Blackwater	Cg	50	60	SC - Sandy clay			0	0	0	0	
77	WT-22-510a	Blackwater	Ah	0	7	L - Loam			0	0	0	0	
78	WT-22-510a	Blackwater	Bh	7	52	SiL - Silt loam			0	0	0	0	
79	WT-22-510a	Blackwater	Bg	52	90	SiCL - Silt clay loam			0	0	0	0	
80	WT-22-422	Blackwater	Bhg	12	66	SiCL - Silt clay loam			0	0	0	0	
81	WT-22-333	Blackwater	Bhg	35	55	SiCL - Silt clay loam			0	0	0	0	
82	WT-22-535	Blackwater	Cg	42	62	SiCL - Silt clay loam			0	0	0	0	
83	WT-22-202	Blackwater	Ah	0	19	SiL - Silt loam			0	0	0	0	
84	WT-22-202	Blackwater	Bhg	19	35	SiCL - Silt clay loam			0	0	0	0	
85	WT-22-202	Blackwater	BCg	35	60	SL - Sandy loam			10	0	0	10	R - Rounded
86	WT-22-661	Blackwater	Bhg	21	45	SiCL - Silt clay loam			0	0	0	0	
87	WT-22-661	Blackwater	Bhg	45	74	SCL - Sandy clay loam			25	0	0	25	
88	WT-22-662	Blackwater	Bg	20	30	S - Sand			0	0	0	0	
89	WT-22-662	Blackwater	C	30	35	S - Sand			45	0	0	45	S - Subrounded and subangular
90	WT-22-023	Blackwater	Bg	12	25	SiL - Silt loam			0	0	0	0	
91	WT-22-023	Blackwater	Cg	25	50	SiCL - Silt clay loam			0	0	0	0	
92	WT-22-027	Blackwater	Bhg	23	40	SiL - Silt loam			0	0	0	0	

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Root Abbundance	Root Size	Structure Class	Structure Kind	pH	Sampled?	Comments
47	WT-22-465	A - Abundant	C - Coarse (>5mm)		SGR - Single grained		No	
48	WT-22-465	F - Few	M - Medium (3-5mm)				No	
49	WT-22-465	X - None		C - Coarse	SGR - Single grained		No	
50	WT-22-403	A - Abundant	F - Fine (1-2mm)	M - Medium	SBK - Sub angular blocky			
51	WT-22-403	F - Few	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
52	WT-22-403	X - None		C - Coarse	SBK - Sub angular blocky			
53	WT-22-015	A - Abundant	M - Medium (3-5mm)	F - Fine	GR - Granular			
54	WT-22-015	X - None		F - Fine	GR - Granular			
55	WT-22-467	P - Plentiful	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
56	WT-22-467	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
57	WT-22-467	F - Few	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
58	WT-22-003	P - Plentiful	V - Very fine (<1mm)	VF - Very fine			No	
59	WT-22-003	F - Few	V - Very fine (<1mm)	VF - Very fine			No	
60	WT-22-003	X - None					No	
61	WT-22-236	X - None		C - Coarse	SGR - Single grained		No	Could only get 36cm deep due to abundance of gravels
62	WT-22-011	F - Few	M - Medium (3-5mm)	M - Medium	GR - Granular			
63	WT-22-652	X - None		M - Medium	SBK - Sub angular blocky			
64	WT-22-656	A - Abundant	F - Fine (1-2mm)	C - Coarse	SBK - Sub angular blocky			
65	WT-22-656	X - None		C - Coarse	SBK - Sub angular blocky			
66	WT-22-635	P - Plentiful	F - Fine (1-2mm)		SGR - Single grained		No	
67	WT-22-635	X - None					No	
68	WT-22-518			C - Coarse	SBK - Sub angular blocky			B or C. Compacted.
69	WT-22-436	A - Abundant	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
70	WT-22-436	F - Few	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
71	WT-22-559	A - Abundant	F - Fine (1-2mm)				No	
72	WT-22-559	X - None	V - Very fine (<1mm)				No	
73	WT-22-431	P - Plentiful	F - Fine (1-2mm)				No	
74	WT-22-431	F - Few	F - Fine (1-2mm)				No	
75	WT-22-431	X - None	V - Very fine (<1mm)				No	
76	WT-22-431	X - None					No	
77	WT-22-510a	A - Abundant	F - Fine (1-2mm)	M - Medium	SBK - Sub angular blocky			
78	WT-22-510a	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
79	WT-22-510a	X - None		M - Medium	SBK - Sub angular blocky			Faint mottles
80	WT-22-422	P - Plentiful	F - Fine (1-2mm)				Yes	
81	WT-22-333	X - None		VF - Very fine			No	
82	WT-22-535	X - None					No	
83	WT-22-202	P - Plentiful	F - Fine (1-2mm)	F - Fine	SBK - Sub angular blocky			
84	WT-22-202	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
85	WT-22-202	X - None		F - Fine	SBK - Sub angular blocky			
86	WT-22-661	F - Few	F - Fine (1-2mm)				No	
87	WT-22-661	X - None					No	
88	WT-22-662	X - None			SGR - Single grained		No	
89	WT-22-662	X - None			SGR - Single grained		No	
90	WT-22-023	A - Abundant	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
91	WT-22-023	X - None		C - Coarse	SBK - Sub angular blocky			
92	WT-22-027	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Global ID	Parent Global ID	Creation Date	Creator	Edit Date	Editor
47	WT-22-465	{a7ff479a-d958-4fb1-b584-681d99409ff7}	{c564db5e-0040-4236-8a54-7496fed747a4}	2022-07-11 0:13	Field1_ConsultEcoLogic	2022-07-11 0:13	Field1_ConsultEcoLogic
48	WT-22-465	{357d62b8-88b2-466c-b1cd-1dadb5f23b00}	{c564db5e-0040-4236-8a54-7496fed747a4}	2022-07-11 0:13	Field1_ConsultEcoLogic	2022-07-11 0:13	Field1_ConsultEcoLogic
49	WT-22-465	{f1b8f636-dd3a-4517-8512-0b1e908e4c54}	{c564db5e-0040-4236-8a54-7496fed747a4}	2022-07-11 0:13	Field1_ConsultEcoLogic	2022-07-11 0:13	Field1_ConsultEcoLogic
50	WT-22-403	{b5f88a3a-0bd0-4992-8fc4-6b877d5782db}	{4ea51f3b-1603-40aa-b222-8fa35eb6ce7e}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
51	WT-22-403	{d495a36d-7f9f-4232-8e59-9d5c9d58aa4e}	{4ea51f3b-1603-40aa-b222-8fa35eb6ce7e}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
52	WT-22-403	{04a27ce5-69a0-41bf-ba5c-40311f766244}	{4ea51f3b-1603-40aa-b222-8fa35eb6ce7e}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
53	WT-22-015	{165899f6-28bd-4bc5-a410-5587ef5ecee9}	{399c7505-be6a-4f9d-8287-4ce04eb64471}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
54	WT-22-015	{3738ef54-446b-4260-be05-0bc3b5f4e56c}	{399c7505-be6a-4f9d-8287-4ce04eb64471}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
55	WT-22-467	{674501e0-2f38-4de3-ae20-3817b11fb287}	{b743c914-18cd-4d15-9624-4085fc83949d}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
56	WT-22-467	{21efbc1c-2a71-4494-b1f0-f1e099a0e711}	{b743c914-18cd-4d15-9624-4085fc83949d}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
57	WT-22-467	{cb1dd83a-b1d5-4682-ad78-a9ab55fc90eb}	{b743c914-18cd-4d15-9624-4085fc83949d}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
58	WT-22-003	{dae39ab8-150b-4ada-9384-da68cc6ddfed}	{f47f8fbf-8957-423a-bc02-749d1a02c12c}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
59	WT-22-003	{db4fa374-522d-4fd9-bef5-9a9e16e2443b}	{f47f8fbf-8957-423a-bc02-749d1a02c12c}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
60	WT-22-003	{8ba2c6fd-c9f0-4804-9ef4-3edddce887d7}	{f47f8fbf-8957-423a-bc02-749d1a02c12c}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
61	WT-22-236	{9a24812c-f50b-46ca-b191-c970c293677c}	{a1e19fba-a72b-443c-bd32-d849410d88a8}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
62	WT-22-011	{6a0abe63-9a2f-4d73-ac7b-2e3c52501087}	{c9cc0bfa-d050-45f8-827e-4a3b43e34ff6}	2022-07-27 2:42	EcoLogic_Consultants	2022-07-27 2:42	EcoLogic_Consultants
63	WT-22-652	{739376c3-7f53-4a36-a6d4-e3735df898eb}	{21c77ffe-e2f9-4053-9749-66dfc45d1cad}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
64	WT-22-656	{bc245f5d-b3bf-4bc1-bb85-00f0b6124e65}	{a114a9ff-9183-45cd-a098-0c4582c9c75a}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
65	WT-22-656	{578a4429-041d-42c0-8ef7-a12b64618ae3}	{a114a9ff-9183-45cd-a098-0c4582c9c75a}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
66	WT-22-635	{7508ce32-3cd2-4169-ae45-e0bf636a4be5}	{339c4c3e-8da3-4e51-a33f-087d908d2f46}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
67	WT-22-635	{26616c23-e1e6-4516-aae3-10965c72d290}	{339c4c3e-8da3-4e51-a33f-087d908d2f46}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
68	WT-22-518	{fad0344f-3bd0-4951-9946-8af77c6e5d17}	{03d33393-470d-49f8-aed4-9647bbfbdeb1}	2022-07-28 18:56	EcoLogic_Consultants	2022-07-28 18:56	EcoLogic_Consultants
69	WT-22-436	{16e626d3-6ab4-436c-9865-37dcab7273e7}	{2e95be86-25f5-4445-8046-d86fe2599064}	2022-07-28 22:33	EcoLogic_Consultants	2022-07-28 22:33	EcoLogic_Consultants
70	WT-22-436	{001e5b65-b9b1-40a3-82ae-2825099816c6}	{2e95be86-25f5-4445-8046-d86fe2599064}	2022-07-28 22:33	EcoLogic_Consultants	2022-07-28 22:33	EcoLogic_Consultants
71	WT-22-559	{6a6ebda5-2eca-4f3d-b380-4cb50a39b252}	{0dd9399e-01e3-496a-bc74-8c99caf25870}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
72	WT-22-559	{24203106-b113-4aaa-9477-25a7ff6930e6}	{0dd9399e-01e3-496a-bc74-8c99caf25870}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
73	WT-22-431	{493c94fc-293f-4e15-9589-5ee78c1e4f2e}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
74	WT-22-431	{1272c587-d0fa-4fd1-b733-75d567a9f5ef}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
75	WT-22-431	{ecf60a67-3069-4903-98f8-c1a2f2ed693e}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
76	WT-22-431	{bc1cf6d3-12d0-48bd-bb17-c5809d496d51}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
77	WT-22-510a	{4e4319c1-8fcc-4b1c-b6f8-f5a4d5d53d51}	{e5423e8a-3277-4822-9913-6a74522d70f5}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
78	WT-22-510a	{e71864bc-3db5-4a2a-81a7-c7e467e4421a}	{e5423e8a-3277-4822-9913-6a74522d70f5}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
79	WT-22-510a	{c4c81bcd-ab6a-42a5-ab81-f3d0707f045e}	{e5423e8a-3277-4822-9913-6a74522d70f5}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
80	WT-22-422	{a3cfc877-7080-454b-95a4-961739c4acd2}	{899f0505-2ee9-4dc2-a75c-b35aa5bc0655}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
81	WT-22-333	{226dbb5b-944c-4edf-9f5d-ce3c635a56d2}	{833ef234-72e2-4652-b525-bcda709f419b}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
82	WT-22-535	{08c30baf-a784-4900-a187-8691005631c4}	{65e32f18-4507-4615-ae82-1f150c664cee}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
83	WT-22-202	{33089be6-1a5f-40e2-9a80-eea877080250}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants
84	WT-22-202	{8229f4e6-996a-4fe6-9dd1-22e41381c55b}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants
85	WT-22-202	{47fe2a9a-c110-436b-836a-78cb81b362f8}	{105f8dc4-8a3e-4da0-930c-383323f9a6da}	2022-07-30 20:16	EcoLogic_Consultants	2022-07-30 20:16	EcoLogic_Consultants
86	WT-22-661	{e616fe0c-3ef7-4a6b-9d25-d370ac86ab40}	{5e7228b5-b131-4488-9cd7-20512e6e9f0a}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
87	WT-22-661	{4f75ebae-3af5-4d5c-a5e1-c42468ece100}	{5e7228b5-b131-4488-9cd7-20512e6e9f0a}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
88	WT-22-662	{07a28e9c-6284-4f3d-90cb-a4420fa9ba54}	{cdff552d-fc85-43f4-893a-5a09b2467713}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
89	WT-22-662	{83409318-1559-4107-9c6e-8cec7ce8b113}	{cdff552d-fc85-43f4-893a-5a09b2467713}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
90	WT-22-023	{15e3640b-3c3b-40a0-86cb-1fe3947caa88}	{302a3afe-927c-486f-9ded-dc7cbbbeb762}	2022-08-01 2:43	EcoLogic_Consultants	2022-08-01 2:43	EcoLogic_Consultants
91	WT-22-023	{9ad7d0d4-6240-48d2-a78f-87e9ca494cc0}	{302a3afe-927c-486f-9ded-dc7cbbbeb762}	2022-08-01 2:43	EcoLogic_Consultants	2022-08-01 2:43	EcoLogic_Consultants
92	WT-22-027	{4d8a5a27-2f2a-4863-816a-8e9e92050c2f}	{2c1ce23e-8a85-44b9-a7c7-5c02e66fb425}	2022-08-01 2:43	EcoLogic_Consultants	2022-08-01 2:43	EcoLogic_Consultants

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Project ID M	Horizon	Top Depth	Lower Depth	Texture	Colour	ASP	Gravel	Cobble	Stone	Total	Coarse Fragment Shape
93	WT-22-027	Blackwater	BCg	40	60	SiCL - Silt clay loam			0	0	0	0	
94	WT-22-069	Blackwater	BCg	90	120	SiL - Silt loam			0	0	0	0	
95	WT-22-071	Blackwater	Bg	100	120	SiCL - Silt clay loam			0	0	0	0	
96	WT-22-101	Blackwater	Bh	31	89	SiL - Silt loam			0	0	0	0	
97	WT-22-101	Blackwater	Bg	89	100	SiCL - Silt clay loam			0	0	0	0	
98	WT-22-148	Blackwater	Ah	0	20	SiL - Silt loam			0	0	0	0	
99	WT-22-148	Blackwater	Bh	20	95	SiL - Silt loam			0	0	0	0	
100	WT-22-148	Blackwater	Bg	95	120	SiCL - Silt clay loam			0	0	0	0	
101	WT-22-163	Blackwater	Ah	0	5	L - Loam			0	0	0	0	
102	WT-22-163	Blackwater	Bg	5	20	SL - Sandy loam			0	0	0	0	
103	WT-22-163	Blackwater	Bg	20	65	LS - Loamy sand			10	0	0	10	S - Subrounded and subangular
104	WT-22-311	Blackwater	Ah	0	8	SiL - Silt loam			0	0	0	0	
105	WT-22-311	Blackwater	Bh	8	23	SiL - Silt loam			0	0	0	0	
106	WT-22-311	Blackwater	BCg	23	50	LS - Loamy sand			10	0	0	10	S - Subrounded and subangular

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Root Abbundance	Root Size	Structure Class	Structure Kind	pH	Sampled?	Comments
93	WT-22-027	X - None		C - Coarse	SBK - Sub angular blocky			
94	WT-22-069	X - None		M - Medium	SBK - Sub angular blocky			
95	WT-22-071	X - None		C - Coarse	SBK - Sub angular blocky			
96	WT-22-101	F - Few	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			Lots of burried wood
97	WT-22-101	X - None		C - Coarse	SBK - Sub angular blocky			Greyed and faint mottles.
98	WT-22-148	A - Abundant	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
99	WT-22-148	F - Few	C - Coarse (>5mm)	C - Coarse	SBK - Sub angular blocky			
100	WT-22-148	X - None		M - Medium	SBK - Sub angular blocky			
101	WT-22-163	A - Abundant	C - Coarse (>5mm)	M - Medium	SBK - Sub angular blocky			
102	WT-22-163	P - Plentiful	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
103	WT-22-163	F - Few	C - Coarse (>5mm)	C - Coarse	SBK - Sub angular blocky			
104	WT-22-311	A - Abundant	F - Fine (1-2mm)	M - Medium	SBK - Sub angular blocky			
105	WT-22-311	P - Plentiful	M - Medium (3-5mm)	M - Medium	SBK - Sub angular blocky			
106	WT-22-311	F - Few	C - Coarse (>5mm)	F - Fine	SBK - Sub angular blocky			

Table H-3: Wetland Baseline Data (2022) - Soils Mineral

Object ID	Plot ID M	Global ID	Parent Global ID	Creation Date	Creator	Edit Date	Editor
93	WT-22-027	{f29a3074-0cbd-4f17-8dfc-467bf9392250}	{2c1ce23e-8a85-44b9-a7c7-5c02e66fb425}	2022-08-01 2:43	EcoLogic_Consultants	2022-08-01 2:43	EcoLogic_Consultants
94	WT-22-069	{a58555d3-8859-478a-98ed-eea8e73b6cd8}	{bb87bd5e-110b-4e27-844a-bfb995a237b0}	2022-08-02 5:04	EcoLogic_Consultants	2022-08-02 5:04	EcoLogic_Consultants
95	WT-22-071	{7ee4057a-9a92-4130-8747-e745f5374739}	{4d323970-1bc4-4c7c-b09b-730f7a35c60e}	2022-08-02 5:04	EcoLogic_Consultants	2022-08-02 5:04	EcoLogic_Consultants
96	WT-22-101	{786810f3-efe9-45a8-bed8-314414fec986}	{1d801309-1f32-49fe-89ef-c5c67bb94e4a}	2022-08-02 23:27	EcoLogic_Consultants	2022-08-02 23:27	EcoLogic_Consultants
97	WT-22-101	{49629b5e-f0fd-47a2-a632-fc44ec885a24}	{1d801309-1f32-49fe-89ef-c5c67bb94e4a}	2022-08-02 23:27	EcoLogic_Consultants	2022-08-02 23:27	EcoLogic_Consultants
98	WT-22-148	{c30c636d-3681-4b7d-a57b-5dedca7da8ac}	{232e0cd4-f9fa-43a4-9957-5596957e0e32}	2022-08-04 4:14	EcoLogic_Consultants	2022-08-04 4:14	EcoLogic_Consultants
99	WT-22-148	{b7c717b5-4505-48fe-a59b-9fa90f7b088a}	{232e0cd4-f9fa-43a4-9957-5596957e0e32}	2022-08-04 4:14	EcoLogic_Consultants	2022-08-04 4:14	EcoLogic_Consultants
100	WT-22-148	{ad4e1256-dd16-4b76-ae36-a916392e78b8}	{232e0cd4-f9fa-43a4-9957-5596957e0e32}	2022-08-04 4:14	EcoLogic_Consultants	2022-08-04 4:14	EcoLogic_Consultants
101	WT-22-163	{3f230db4-b7ec-4c01-b122-b6a832732720}	{c3e1fe3f-7f19-4366-a250-eefe5bc8a297}	2022-08-04 4:14	EcoLogic_Consultants	2022-08-04 4:14	EcoLogic_Consultants
102	WT-22-163	{e88c8412-6a6d-441c-93bd-5f9f85d1ae5c}	{c3e1fe3f-7f19-4366-a250-eefe5bc8a297}	2022-08-04 4:14	EcoLogic_Consultants	2022-08-04 4:14	EcoLogic_Consultants
103	WT-22-163	{2405a41f-99f4-42ef-9b0d-cae52c3caa8a}	{c3e1fe3f-7f19-4366-a250-eefe5bc8a297}	2022-08-04 4:14	EcoLogic_Consultants	2022-08-04 4:14	EcoLogic_Consultants
104	WT-22-311	{7c91d819-d4fd-4b40-b4ef-75441e3cbf75}	{d550c38c-2fcf-44e5-9304-078a0d2715b7}	2022-08-05 0:15	EcoLogic_Consultants	2022-08-05 0:15	EcoLogic_Consultants
105	WT-22-311	{aba146b9-d99d-426b-8251-a895cd7b35a8}	{d550c38c-2fcf-44e5-9304-078a0d2715b7}	2022-08-05 0:15	EcoLogic_Consultants	2022-08-05 0:15	EcoLogic_Consultants
106	WT-22-311	{f126e317-9675-422e-8bc0-52eeef82fffe}	{d550c38c-2fcf-44e5-9304-078a0d2715b7}	2022-08-05 0:15	EcoLogic_Consultants	44778.01045	EcoLogic_Consultants

Table H-4: Wetland Baseline Data (2022) - Soils Organic

Object ID	Plot ID O	Project ID O	Horizon	Top Depth	Lower Depth	Fabric Degree	Fabric Kind	Von Post	Mycelial Abundance	Fecal Abundance	Root Abundance	Root Size	pH	Sampled?	Comments
1	MC21	Blackwater	Om	0	23	W - Weak	MA - Massive	6	X - None	X - None	A - Abundant	M - Medium (3-5mm)		No	
2	MC21	Blackwater	Om	23	130	W - Weak	MA - Massive	4	X - None	X - None	X - None			No	
3	MC22	Blackwater	Om	0	31	W - Weak	MA - Massive	5	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
4	MC22	Blackwater	Om	31	130	W - Weak	MA - Massive	4	X - None	X - None	X - None				
5	MC23	Blackwater	Om	0	23	W - Weak	MA - Massive	6	X - None	X - None	A - Abundant	M - Medium (3-5mm)			
6	MC23	Blackwater	Om	23	130	W - Weak	MA - Massive	5	X - None	X - None	F - Few	C - Coarse (6-15mm)			
7	WT-22-673	Blackwater	Hr												
8	WS-22-629	Blackwater	Om	0	20	M - Moderate		6	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
9	WS-22-629	Blackwater	Oh	20	35	M - Moderate		8	X - None	X - None	F - Few	V - Very fine (<1mm)			
10	WT-22-627	Blackwater	Of	0	28	M - Moderate		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
11	WT-22-627	Blackwater	Om	28	93	M - Moderate		5	X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
12	WT-22-633	Blackwater	Of	0	21	M - Moderate		3	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
13	WT-22-633	Blackwater	Om	21	43	M - Moderate		5	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
14	MC26	Blackwater	Om	0	42	W - Weak	MA - Massive	4	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
15	MC27	Blackwater	Of	0	21	W - Weak	MA - Massive	2	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
16	MC27	Blackwater	Om	21	54	W - Weak	MA - Massive	5	X - None	X - None	F - Few	M - Medium (3-5mm)			
17	MC28	Blackwater	Om	0	130	W - Weak	MA - Massive	4	X - None	X - None	A - Abundant	M - Medium (3-5mm)			
18	MC30	Blackwater	Of	0	7	M - Moderate	MA - Massive	2	X - None	X - None	A - Abundant	C - Coarse (6-15mm)			
19	MC31	Blackwater	Om	0	130	M - Moderate	MA - Massive		X - None	X - None	A - Abundant	M - Medium (3-5mm)			
20	MC33	Blackwater	Om	0	130	M - Moderate	MA - Massive	6	X - None	X - None	A - Abundant	M - Medium (3-5mm)			
21	MC34	Blackwater	Oh	0	23	W - Weak	MA - Massive	8	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
22	WT-22-569	Blackwater	Om	0	25	W - Weak	MA - Massive	6	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
23	MC02	Blackwater	Oh	0	80	W - Weak	MA - Massive	5	X - None	X - None	F - Few	F - Fine (1-2mm)		No	
24	MC02	Blackwater	Om	80	120	W - Weak	MA - Massive	5	X - None	X - None	X - None				Some silt mixed in organic at depth
25	MC03	Blackwater	Oh	0	26	W - Weak	MA - Massive	8	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
26	MC03	Blackwater	Om	26	120	W - Weak	MA - Massive	5	X - None	X - None	X - None			No	
27	MC06	Blackwater	Of	0	63	W - Weak	MA - Massive	3	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
28	MC06	Blackwater	Om	63	130	W - Weak	MA - Massive	5	X - None	X - None	X - None				
29	MC07	Blackwater	Of	0	130	W - Weak	MA - Massive	2	X - None	X - None	F - Few	M - Medium (3-5mm)		No	No disturbances. High moose use
30	MC08	Blackwater	Oh	0	18	W - Weak	MA - Massive	8	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
31	MC08	Blackwater	Om	18	120	W - Weak	MA - Massive	6	X - None	X - None	X - None			No	
32	MC11	Blackwater	Om	0	130	W - Weak	MA - Massive	4	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
33	MC12	Blackwater	Ln	2	0				X - None	X - None	X - None				
34	MC14	Blackwater	Ln	3	0				X - None	X - None	X - None				
35	MC16	Blackwater	Om	0	130	W - Weak	MA - Massive	5	X - None	X - None	P - Plentiful	M - Medium (3-5mm)			
36	MC20	Blackwater	Om	0	130	W - Weak	MA - Massive	4	X - None	X - None	A - Abundant	M - Medium (3-5mm)		No	
37	WT-22-623	Blackwater	Om	0	18	M - Moderate		5	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
38	WT-22-623	Blackwater	Oh	18	79	W - Weak		8	X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
39	WT-22-624	Blackwater	Of	0	25	M - Moderate		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
40	WT-22-619	Blackwater	Oh	0	32	M - Moderate		8	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
41	WT-22-620	Blackwater	Om	0	23	M - Moderate		4	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
42	WT-22-620	Blackwater	Oh	23	65	W - Weak		9	X - None	X - None	P - Plentiful	V - Very fine (<1mm)			
43	WT-22-348	Blackwater	Of	0	10	S - Strong		3	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
44	WT-22-348	Blackwater	Om	10	78	M - Moderate		6	X - None	X - None	P - Plentiful	V - Very fine (<1mm)			
45	WT-22-595	Blackwater	Of	0	48	S - Strong		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)			
46	WT-22-345	Blackwater	Om	0	23	W - Weak	MA - Massive	4	X - None	X - None	A - Abundant	M - Medium (3-5mm)			
47	WT-22-367	Blackwater	Om	0	23	M - Moderate	MA - Massive	4	X - None	X - None	A - Abundant	M - Medium (3-5mm)			
48	WT-22-367	Blackwater	Oh	23	57	W - Weak	MA - Massive	7	X - None	X - None	F - Few	M - Medium (3-5mm)			

Table H-4: Wetland Baseline Data (2022) - Soils Organic

Object ID	Plot ID O	Comments	Global ID	Parent Global ID	Creation Date	Creator	Edit Date	Editor
1	MC21		{279d8fb8-6cd3-45d7-ab66-cf66e4c675b8}	{9b33e640-9830-49d4-a25a-125cd8d9ad27}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
2	MC21		{86374163-96e8-4f4b-aac5-b2355564f29e}	{9b33e640-9830-49d4-a25a-125cd8d9ad27}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
3	MC22		{f911f738-5851-4aeb-8af9-d18ed2dd1404}	{0a551a3f-c694-4a23-b360-18245ac615fb}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
4	MC22		{80cb2dc4-ad14-4a5e-acf9-105d2621ac5f}	{0a551a3f-c694-4a23-b360-18245ac615fb}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
5	MC23		{ce1cf961-290f-4d6e-bdba-a79732589e7f}	{8d4e0975-7a38-4959-a6ce-39e80d21b453}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
6	MC23		{91c1406d-932b-456f-ae3a-48a37541f66d}	{8d4e0975-7a38-4959-a6ce-39e80d21b453}	2022-07-08 0:07	EcoLogic_Consultants	2022-07-08 0:07	EcoLogic_Consultants
7	WT-22-673		{0fde3949-a39b-470a-ab4d-637c876c54bd}	{7209c10e-8c04-48dc-9a00-670358dc0b8e}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
8	WS-22-629		{1791fe83-be7e-4318-aa99-b75219f9aa6f}	{fe87af91-b1f9-4bc1-983a-8094a6c40d9c}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
9	WS-22-629		{38f9b7de-b8f2-4c9b-a909-676dbe84222f}	{fe87af91-b1f9-4bc1-983a-8094a6c40d9c}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
10	WT-22-627		{174dbf60-bf50-4e83-a78c-39c7b7fd36b4}	{67ae49f3-bd45-44a0-a068-7c3f6cdab0a7}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
11	WT-22-627		{9b89ac43-ef64-4d02-bfce-6c5d21b8723b}	{67ae49f3-bd45-44a0-a068-7c3f6cdab0a7}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
12	WT-22-633		{66a577bc-0490-438f-920c-8142836f85d0}	{b3713c3d-b493-4d07-8a62-83154f976fee}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
13	WT-22-633		{6751ee16-01e5-4818-9ea2-d0fd001f645e}	{b3713c3d-b493-4d07-8a62-83154f976fee}	2022-07-08 3:48	EcoLogic_Consultants	2022-07-08 3:48	EcoLogic_Consultants
14	MC26		{3b10c3b7-d5ee-47d2-9672-07f9055e1d5f}	{5a25af61-a379-4c86-9b22-cdd1de43218d}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
15	MC27		{b8c5fc09-47b7-42e9-a0cc-2b8057b8457a}	{2bf3258e-6cc5-42ed-8f49-9ae8c706feab}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
16	MC27		{4bea87f9-f444-4add-a382-23ad1a935ae7}	{2bf3258e-6cc5-42ed-8f49-9ae8c706feab}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
17	MC28		{588e4d48-9a36-4729-a87a-2ebf0027ff8a}	{9f317383-a876-4b97-b8a0-c9cc25e2a669}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
18	MC30		{2f502547-e367-434f-8dbc-5c2a580519bf}	{ec0436d0-bf28-4fda-995a-fca05e5b20ca}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
19	MC31		{2e4e7c25-8750-450a-8d37-3a21b9651a1c}	{ac7903e4-46a4-47d5-9784-0d02ca5221b3}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
20	MC33		{1d8eaaaa-b1fb-4ba4-91d3-33de1575d0cb}	{1cfa1443-9e6a-4e0a-9d55-b7d8e3536297}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
21	MC34		{13ae877b-13e6-4cc7-9e7c-bda19aae2c90}	{08c25f6e-dbba-4999-b673-05d6de17364b}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
22	WT-22-569		{c8211f63-ecb5-4161-9ac4-5b30c19c2acd}	{cb46f5c3-2f46-4fd8-a926-a9b14e67ae5a}	2022-07-08 23:31	EcoLogic_Consultants	2022-07-08 23:31	EcoLogic_Consultants
23	MC02		{cfd1dc9e-9ab5-4516-923d-c3397911b0ea}	{f625ad7e-a9ca-40e6-9888-12bec345f97d}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
24	MC02	Some silt mixed in organic at depth	{0d717c08-e724-42bd-8c7f-4ad0da6ef277}	{f625ad7e-a9ca-40e6-9888-12bec345f97d}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
25	MC03		{ccba362f-65d7-482a-ac53-b8c764d1ad67}	{17f63dfe-655b-49b5-b039-f3e39df98fb7}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
26	MC03		{3bf825d4-1df8-42e5-9736-52d9519ab04b}	{17f63dfe-655b-49b5-b039-f3e39df98fb7}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
27	MC06		{9cb3509b-9917-4261-8ee9-d4135e356934}	{753fe722-5b22-428c-ba41-0588f88896b9}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
28	MC06		{75e1fbc7-b09e-4e98-ac54-b885aeb33432}	{753fe722-5b22-428c-ba41-0588f88896b9}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
29	MC07	No disturbances. High moose use	{c7fdb7f5-c297-4e43-8aed-47286275a6f6}	{42b9715a-7638-49dc-ab3a-4a350d105b59}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
30	MC08		{3f2175b1-9981-4cf5-adee-f8dc172ba820}	{85321b22-7a99-4d4a-9ecb-ae46ffd953e8}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
31	MC08		{adb931fb-05e5-4d20-bdc0-d5cb98c7a7c5}	{85321b22-7a99-4d4a-9ecb-ae46ffd953e8}	2022-07-09 0:10	EcoLogic_Consultants	2022-07-09 0:10	EcoLogic_Consultants
32	MC11		{ed6a2e12-4197-499d-a4cb-2733a14f1872}	{465a92b8-2344-4e68-8b1b-c4158c679672}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
33	MC12		{ad74cc16-6498-4d67-8cf0-09bbc2934ead}	{c42b5399-b670-4685-865d-8abd278d9d52}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
34	MC14		{ebe7e65b-d537-4ef7-88a0-fd63933e1cdd}	{dbd437b1-1086-44e1-92b6-c185967ce719}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
35	MC16		{d2f343e8-c963-43b3-b70a-c2f137d109f4}	{eaa559d2-0375-4f32-acf8-708c8c7a6b42}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
36	MC20		{fd34ceb7-a3e3-4d88-8a0a-bb14e63c01fe}	{fcaf192a-fa7b-42ba-9f7c-d1f2741c0a8c}	2022-07-09 0:11	EcoLogic_Consultants	2022-07-09 0:11	EcoLogic_Consultants
37	WT-22-623		{980902c1-3517-4d91-bb38-8a4801ec58d3}	{6eb00eef-aba0-4f8f-baa7-f32047441939}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
38	WT-22-623		{ce75c3a3-1410-4f6c-bb25-f6a03e42c8d0}	{6eb00eef-aba0-4f8f-baa7-f32047441939}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
39	WT-22-624		{86a355d4-f9a2-41af-b277-c996a79c425d}	{621d59d8-21cd-4cf1-b7cf-cc6d066c6f00}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
40	WT-22-619		{c9d1e205-c292-4f0e-a4f0-ba566e0930c7}	{59a6e412-0389-452b-abc9-f28995ca28c2}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
41	WT-22-620		{15047c3a-effa-468b-acd6-c80c7fdec020}	{785b5171-a59d-4a34-9462-419daf150e1d}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
42	WT-22-620		{438140ae-e62b-4272-9c0c-48c6735d878e}	{785b5171-a59d-4a34-9462-419daf150e1d}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
43	WT-22-348		{22b466d1-f232-47db-bc4c-f7d31bd068e4}	{f360d546-b322-4ac9-a4b8-67d1088273c5}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
44	WT-22-348		{4b5c3dcf-a2a8-406e-abb3-e4aaa448cdbd}	{f360d546-b322-4ac9-a4b8-67d1088273c5}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
45	WT-22-595		{8894726b-3560-4a9a-aa79-c992af78af4b}	{701edb82-6730-4b1a-9734-1fc3f93ee72a}	2022-07-09 14:08	Field1_ConsultEcoLogic	2022-07-09 14:08	Field1_ConsultEcoLogic
46	WT-22-345		{b8ebeb6c-6048-46f6-a822-3a97d21cd5a7}	{6f1fb34c-30f8-4eb2-99ea-acc72b4f283c}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
47	WT-22-367		{be0d0458-8c81-4fcf-a635-85d472263ed8}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants
48	WT-22-367		{c836ebc7-f203-4448-80e5-b8b8fd7943ef}	{b288cfc5-a3a6-4bed-9147-eddc11ad5be0}	2022-07-09 20:01	EcoLogic_Consultants	2022-07-09 20:01	EcoLogic_Consultants

Table H-4: Wetland Baseline Data (2022) - Soils Organic

Object ID	Plot ID O	Project ID O	Horizon	Top Depth	Lower Depth	Fabric Degree	Fabric Kind	Von Post	Mycelial Abundance	Fecal Abundance	Root Abundance	Root Size	pH	Sampled?	Comments
49	WT-22-194	Blackwater	Ln	8	2	S - Strong			X - None	X - None	F - Few	V - Very fine (<1mm)		No	
50	WT-22-194	Blackwater	Fa	2	0	W - Weak			X - None	X - None	F - Few	F - Fine (1-2mm)			Charcoal in humus layer
51	WT-22-220	Blackwater	L	5	2	W - Weak			F - Few	X - None	F - Few	F - Fine (1-2mm)		No	
52	WT-22-220	Blackwater	Fa	2	0	W - Weak			F - Few	X - None	F - Few	F - Fine (1-2mm)		No	No H
53	WT-22-398	Blackwater	Of	0	22	S - Strong		3	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
54	WT-22-398	Blackwater	Oh	22	61	W - Weak		8	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
55	WT-22-424a	Blackwater	L	4	0	W - Weak			X - None	X - None	X - None			No	Litter is all sedges. No F or H
56	WT-22-639	Blackwater	Oh	0	65	M - Moderate			X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
57	WT-22-636	Blackwater	Oh	0	87	W - Weak			X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
58	WT-22-638	Blackwater	Om	0	17	W - Weak			X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
59	WT-22-638	Blackwater	Of	17	32	W - Weak			X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
60	WT-22-638	Blackwater	Om	32	80	W - Weak			X - None	X - None	X - None			No	
61	WT-22-405	Blackwater	Of	0	50	M - Moderate		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
62	WT-22-405	Blackwater	Om	50	71	W - Weak		5	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
63	WT-22-405	Blackwater	Of	71	114	M - Moderate		2	X - None	X - None	F - Few	V - Very fine (<1mm)		No	
64	WT-22-687	Blackwater	Om	0	90	M - Moderate		5	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
65	WT-22-465	Blackwater	L	6	4	S - Strong			C - Common	X - None	A - Abundant	M - Medium (3-5mm)		No	
66	WT-22-465	Blackwater	Fm	4	1	M - Moderate			C - Common	X - None	A - Abundant	M - Medium (3-5mm)		No	
67	WT-22-465	Blackwater	H	1	0	W - Weak			F - Few	X - None	A - Abundant	M - Medium (3-5mm)		No	
68	Lake 15/16	Blackwater	Om	0	14	M - Moderate	MA - Massive	4	X - None	X - None	A - Abundant	M - Medium (3-5mm)			
69	Lake 15/16	Blackwater	Om	14	130	M - Moderate	MA - Massive	5	X - None	X - None	X - None	F - Fine (1-2mm)			
70	WT-22-504	Blackwater	Om	0	24	M - Moderate	MA - Massive	4	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
71	WT-22-504	Blackwater	Om	24	130	W - Weak	MA - Massive	6	X - None	X - None	F - Few	M - Medium (3-5mm)			Some silt in horizon from stream flooding.
72	WT-22-373	Blackwater	Of	0	20	M - Moderate		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
73	WT-22-373	Blackwater	Oh	20	88	W - Weak		8	X - None	X - None	F - Few	F - Fine (1-2mm)		No	
74	WT-22-497	Blackwater	Om	0	21	M - Moderate		5	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
75	Wt-22-497	Blackwater	Oh	21	84	M - Moderate		9	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
76	WT-22-480	Blackwater	Of	0	70	M - Moderate		3	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	Roots down to 41cm
77	WT-22-481	Blackwater	Of	0	55	M - Moderate		2	X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
78	WT-22-332	Blackwater	Of	0	60	M - Moderate		2	X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
79	WT-22-332	Blackwater	Om	60	76	W - Weak		5	X - None	X - None	X - None			No	
80	WT-22-209	Blackwater	Om	0	70	M - Moderate	MA - Massive	5	X - None	X - None	F - Few	F - Fine (1-2mm)			
81	WT-22-209	Blackwater	Oh	70	130			7	X - None	X - None	F - Few	F - Fine (1-2mm)			
82	WT-22-570	Blackwater	Of	0	12	M - Moderate	MA - Massive	3	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
83	WT-22-572	Blackwater	Om	12	130	W - Weak	MA - Massive	6	X - None	X - None	F - Few	F - Fine (1-2mm)			
84	WT-22-003	Blackwater	L	5	4	W - Weak			X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
85	WT-22-003	Blackwater	Hh	4	0	W - Weak			X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
86	WT-22-236	Blackwater	L	6	4	W - Weak			X - None	X - None	F - Few	V - Very fine (<1mm)		No	
87	WT-22-236	Blackwater	Fm	4	1	M - Moderate			F - Few	X - None	P - Plentiful	V - Very fine (<1mm)		No	
88	WT-22-236	Blackwater	H	1	0	W - Weak			X - None	X - None	A - Abundant	F - Fine (1-2mm)			
89	WT-22-011	Blackwater	Om	0	32	M - Moderate	MA - Massive	7	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
90	WT-22-652	Blackwater	Of	0	17	M - Moderate	MA - Massive	2	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
91	WT-22-652	Blackwater	Om	17	43	M - Moderate	MA - Massive	6	X - None	X - None	F - Few	M - Medium (3-5mm)			
92	WT-22-652	Blackwater	Of	43	86	W - Weak	MA - Massive	8	X - None	X - None	F - Few	M - Medium (3-5mm)			
93	WT-22-656	Blackwater	Oh	0	13	W - Weak	MA - Massive	8	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
94	WT-22-390a	Blackwater	Of	0	45	M - Moderate		2	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	

Table H-4: Wetland Baseline Data (2022) - Soils Organic

Object ID	Plot ID O	Comments	Global ID	Parent Global ID	Creation Date	Creator	Edit Date	Editor
49	WT-22-194		{b9785019-9a64-4cd5-abfa-f394840330e8}	{8940ff6e-4bc3-448c-9cc4-5179c072f1a9}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
50	WT-22-194	Charcoal in humus layer	{54bc76f5-5f88-4337-be13-88a53f946954}	{8940ff6e-4bc3-448c-9cc4-5179c072f1a9}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
51	WT-22-220		{9f55079b-db06-43d7-8aa9-cb6ac5f174b1}	{4e384772-d528-47aa-a979-5fd827b5d862}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
52	WT-22-220	No H	{b3d638ce-ffd9-43ca-8b9e-f69195c9fecf}	{4e384772-d528-47aa-a979-5fd827b5d862}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
53	WT-22-398		{65636b49-1dbc-417d-b40e-36e14355074f}	{bbaaffd2-d011-4056-b5d7-d0faf8572015}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
54	WT-22-398		{a0238d54-87d5-45ed-9afe-2aa4721aa171}	{bbaaffd2-d011-4056-b5d7-d0faf8572015}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
55	WT-22-424a	Litter is all sedges. No F or H	{e994f702-3029-454a-887c-3bbb2a3ff837}	{c5b3c3af-2527-4caa-b58f-52bf4e281bf8}	2022-07-10 2:31	Field1_ConsultEcoLogic	2022-07-10 2:31	Field1_ConsultEcoLogic
56	WT-22-639		{b38bd535-e5b8-48f3-8914-f6bfc7a4a7a2}	{8e267eba-d42e-48df-8ba5-942c93eb4508}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
57	WT-22-636		{74453ded-5417-469d-9583-bfbcd08e5d4e}	{808f89e7-550e-480d-9d13-8c4e30eb38d1}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
58	WT-22-638		{b26d784b-24b8-4a64-b717-e67fb6027ce8}	{7f1b405f-295a-43d3-93e8-ef36213c4c6c}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
59	WT-22-638		{9157fcee-447d-4d0f-a57e-3eb705ad4d6a}	{7f1b405f-295a-43d3-93e8-ef36213c4c6c}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
60	WT-22-638		{222ba4e8-142d-4940-92a4-9d6d6cfe47bc}	{7f1b405f-295a-43d3-93e8-ef36213c4c6c}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
61	WT-22-405		{5fbdfaea-5783-4f85-91a3-4625801b57b7}	{38290ee9-3b83-41f9-8da7-ed1ced1b9c85}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
62	WT-22-405		{fb95b2d1-8b04-4d3a-a633-96e84d0433be}	{38290ee9-3b83-41f9-8da7-ed1ced1b9c85}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
63	WT-22-405		{0d46373c-0df5-4230-8b14-ab17cc25a8b3}	{38290ee9-3b83-41f9-8da7-ed1ced1b9c85}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
64	WT-22-687		{ca7264a5-0f6b-43b3-9fbc-50a0e7d9c09a}	{b73ccc10-510c-4ea7-8cb4-00fabf1dfa20}	2022-07-11 0:01	Field1_ConsultEcoLogic	2022-07-11 0:01	Field1_ConsultEcoLogic
65	WT-22-465		{292cf6ff-30ed-495a-a9e4-85228ea05946}	{c564db5e-0040-4236-8a54-7496fed747a4}	2022-07-11 0:13	Field1_ConsultEcoLogic	2022-07-11 0:13	Field1_ConsultEcoLogic
66	WT-22-465		{6311202b-1266-4226-95f8-726e9a1f49ad}	{c564db5e-0040-4236-8a54-7496fed747a4}	2022-07-11 0:13	Field1_ConsultEcoLogic	2022-07-11 0:13	Field1_ConsultEcoLogic
67	WT-22-465		{6553e1bb-c7a8-43a0-855e-5e3ce5730fce}	{c564db5e-0040-4236-8a54-7496fed747a4}	2022-07-11 0:13	Field1_ConsultEcoLogic	2022-07-11 0:13	Field1_ConsultEcoLogic
68	Lake 15/16		{6da50587-4175-415e-8f2e-b2e5849d62b8}	{bff9b2e6-c667-40d8-98a4-68cf1f523daa}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
69	Lake 15/16		{2a21aca3-3873-472a-9d22-c6dfeff388c3}	{bff9b2e6-c667-40d8-98a4-68cf1f523daa}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
70	WT-22-504		{278b64b9-cc3d-404d-8e42-f3f129d39e67}	{d6d92a7b-f7bf-4f62-bbd3-eca22a17dde7}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
71	WT-22-504	Some silt in horizon from stream flooding.	{c51113ca-4ef3-4658-88fe-85bba85174ac}	{d6d92a7b-f7bf-4f62-bbd3-eca22a17dde7}	2022-07-11 0:52	EcoLogic_Consultants	2022-07-11 0:52	EcoLogic_Consultants
72	WT-22-373		{182e01d1-3bb2-492d-a03e-49f084b75c56}	{4b142708-b0cf-4eb2-b81a-74c2a4ac0851}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
73	WT-22-373		{41f1eed4-8f89-4ab0-a0c1-8d6f574f50c4}	{4b142708-b0cf-4eb2-b81a-74c2a4ac0851}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
74	WT-22-497		{50574061-18ba-496c-b64a-c9bf2f6ecfef}	{d621a883-beee-4073-ad39-bf7842cda583}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
75	Wt-22-497		{75956b15-1454-4886-9a00-5f9e06a54c93}	{d621a883-beee-4073-ad39-bf7842cda583}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
76	WT-22-480	Roots down to 41cm	{df4d41b3-f478-409f-92be-aef41ebcfb1e}	{67e6319e-0363-4b3c-81ff-7ed8b8d87058}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
77	WT-22-481		{42f11657-cb01-4438-a8b2-59bb1e6d6ee5}	{d5c0acae-c46c-4bbf-a5cd-f40474a0f716}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
78	WT-22-332		{1a88a004-47c5-4a5d-8c82-302d5b70eda0}	{7e70381c-b6a5-4330-aa52-d36ce82ecd3e}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
79	WT-22-332		{a0d690b2-3adb-4d16-aedd-c84a00531cfd}	{7e70381c-b6a5-4330-aa52-d36ce82ecd3e}	2022-07-12 0:10	Field1_ConsultEcoLogic	2022-07-12 0:10	Field1_ConsultEcoLogic
80	WT-22-209		{d9c523fd-7a28-4c55-af43-2d2d0ca4f664}	{7652e28d-9a83-4565-b52b-38b3a9ecbc48}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
81	WT-22-209		{da4e406d-c00f-4208-8958-4ec2ae4a31e1}	{7652e28d-9a83-4565-b52b-38b3a9ecbc48}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
82	WT-22-570		{228afdae-9107-4285-a91c-2f626811224b}	{373d3837-9045-48b5-bf8c-64a9399f7080}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
83	WT-22-572		{46f1650b-1ef6-412d-adfe-37beebb06c9a}	{373d3837-9045-48b5-bf8c-64a9399f7080}	2022-07-13 0:50	EcoLogic_Consultants	2022-07-13 0:50	EcoLogic_Consultants
84	WT-22-003		{d6a6ed0e-2eb7-4325-a461-cde8be68388b}	{f47f8fbf-8957-423a-bc02-749d1a02c12c}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
85	WT-22-003		{263df447-cfc9-4aa8-844c-6e497312456b}	{f47f8fbf-8957-423a-bc02-749d1a02c12c}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
86	WT-22-236		{07e04ac7-942e-4c00-86ba-f7daa1e91c84}	{a1e19fba-a72b-443c-bd32-d849410d88a8}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
87	WT-22-236		{417554eb-087f-4e0f-a87f-c16cfa520052}	{a1e19fba-a72b-443c-bd32-d849410d88a8}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
88	WT-22-236		{3a756b18-3a0c-4a5e-a5a0-8e8566f64688}	{a1e19fba-a72b-443c-bd32-d849410d88a8}	2022-07-27 2:18	Field1_ConsultEcoLogic	2022-07-27 2:18	Field1_ConsultEcoLogic
89	WT-22-011		{540418b8-6d27-48ef-b7f9-1e1d9d6579a5}	{c9cc0bfa-d050-45f8-827e-4a3b43e34ff6}	2022-07-27 2:42	EcoLogic_Consultants	2022-07-27 2:42	EcoLogic_Consultants
90	WT-22-652		{90278748-8f62-4d2e-bff0-08c8e490e5da}	{21c77ffe-e2f9-4053-9749-66dfc45d1cad}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
91	WT-22-652		{02bc07ea-3442-461a-8d6c-f2ef4a17f0b2}	{21c77ffe-e2f9-4053-9749-66dfc45d1cad}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
92	WT-22-652		{8b8b8018-07cb-4680-8498-eaebc642be42}	{21c77ffe-e2f9-4053-9749-66dfc45d1cad}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
93	WT-22-656		{fbf98464-cee8-4881-84b9-0724fba39784}	{a114a9ff-9183-45cd-a098-0c4582c9c75a}	2022-07-28 0:07	EcoLogic_Consultants	2022-07-28 0:07	EcoLogic_Consultants
94	WT-22-390a		{f505486d-a53f-4f8e-81af-4ddf621ab89e}	{5e89a74e-9bb5-4cbb-8767-e6e5822d7246}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic

Table H-4: Wetland Baseline Data (2022) - Soils Organic

Object ID	Plot ID O	Project ID O	Horizon	Top Depth	Lower Depth	Fabric Degree	Fabric Kind	Von Post	Mycelial Abundance	Fecal Abundance	Root Abundance	Root Size	pH	Sampled?	Comments
95	WT-22-390a	Blackwater	Oh	45	110	W - Weak		8	X - None	X - None	F - Few			No	
96	WT-22-618a	Blackwater	Oh	0	35	W - Weak		7	X - None	F - Few	A - Abundant	F - Fine (1-2mm)		No	Shallow to bedrock. Soil pit beside little creek. Creek about 1 m wide
97	WT-22-635	Blackwater	L	2	1	S - Strong			X - None	X - None	A - Abundant	M - Medium (3-5mm)		No	
98	WT-22-635	Blackwater	Hh	1	0	S - Strong			X - None	X - None	A - Abundant	M - Medium (3-5mm)		No	
99	WT-22-391	Blackwater	Of	0	55	S - Strong		2	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
100	WT-22-391	Blackwater	Om	55	85	M - Moderate		5	X - None	X - None	F - Few	V - Very fine (<1mm)		No	
101	WT-22-479	Blackwater	Oh	0	25	M - Moderate		7	F - Few	X - None	A - Abundant	F - Fine (1-2mm)		No	Feels like silt mixed in. Shallow soil
102	WT-22-518	Blackwater	Of	0	5	M - Moderate	MA - Massive	3	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
103	WT-22-518	Blackwater	Om	5	41	M - Moderate	MA - Massive	7	X - None	X - None	A - Abundant	F - Fine (1-2mm)			Some silt mixed in Om
104	WT-22-519	Blackwater	Of	0	8	S - Strong	MA - Massive	2	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
105	WT-22-519	Blackwater	Oh	8	120	W - Weak	MA - Massive	8		X - None	F - Few	V - Very fine (<1mm)			
106	WT-22-443	Blackwater	Of	0	20	S - Strong		2	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
107	WT-22-443	Blackwater	Oh	20	86	W - Weak		9	X - None	X - None	F - Few	V - Very fine (<1mm)		No	
108	WT-22-559	Blackwater	L	5	4	S - Strong			X - None	X - None	A - Abundant	M - Medium (3-5mm)		No	
109	WT-22-559	Blackwater	Fa	4	0	S - Strong			X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
110	WT-22-431	Blackwater	L	4	1	M - Moderate			X - None	F - Few	F - Few	F - Fine (1-2mm)			
111	WT-22-431	Blackwater	Hh	1	0	M - Moderate			X - None	F - Few	A - Abundant	F - Fine (1-2mm)			
112	WT-22-431	Blackwater	Other	15	20	W - Weak					F - Few	F - Fine (1-2mm)		No	Buried lignum horizon.
113	WT-22-204	Blackwater	Of	0	9	S - Strong	MA - Massive	3		X - None	P - Plentiful	F - Fine (1-2mm)			
114	WT-22-204	Blackwater	Om	9	43	M - Moderate	MA - Massive	6	X - None	X - None	F - Few	F - Fine (1-2mm)			
115	WT-22-204	Blackwater	Oh	43	130	W - Weak	MA - Massive	9	X - None	X - None	X - None				
116	WT-22-191	Blackwater	Om	0	9	M - Moderate	MA - Massive	5	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
117	WT-22-191	Blackwater	Oh	9	85	M - Moderate	MA - Massive	8	X - None	X - None	F - Few	M - Medium (3-5mm)			
118	WT-22-	Blackwater	Om	0	20	M - Moderate	MA - Massive	4	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
119	WT-22-	Blackwater	Oh	20	100	M - Moderate	MA - Massive	8	X - None	X - None	X - None				
120	WT-22-423	Blackwater	Om	0	10	M - Moderate		6	X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
121	WT-22-423	Blackwater	Oh	10	20	W - Weak		6	X - None	X - None	P - Plentiful	V - Very fine (<1mm)		No	
122	WT-22-660	Blackwater	Om	0	60	M - Moderate		5	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
123	WT-22-660	Blackwater	Oh	60	100	W - Weak		8	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
124	WT-22-422	Blackwater	Om	0	12	M - Moderate		4	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
125	WT-22-429	Blackwater	Oh	0	75	W - Weak			X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
126	WT-22-333	Blackwater	Om	0	35	M - Moderate		5	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
127	WT-22-535	Blackwater	Of	0	10	M - Moderate		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
128	WT-22-535	Blackwater	Oh	10	42	W - Weak		5	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
129	WT-22-661	Blackwater	Of	0	21	S - Strong		2	X - None	X - None	A - Abundant	F - Fine (1-2mm)		No	
130	WT-22-669	Blackwater	Of	0	25	M - Moderate		2	X - None	X - None	A - Abundant	V - Very fine (<1mm)		No	
131	WT-22-669	Blackwater	Om	25	80	W - Weak		5	X - None	X - None	P - Plentiful	F - Fine (1-2mm)		No	
132	WT-22-399	Blackwater	Oh	0	75	W - Weak		10	X - None	X - None	F - Few	F - Fine (1-2mm)		No	
133	WT-22-662	Blackwater	Om	0	10	M - Moderate		4	X - None	X - None	X - None	V - Very fine (<1mm)		No	
134	WT-22-662	Blackwater	Oh	10	20	W - Weak		8	X - None	X - None	A - Abundant	V - Very fine (<1mm)			
135	WT-22-023	Blackwater	Of	0	12	M - Moderate	MA - Massive	3	X - None	X - None	P - Plentiful	F - Fine (1-2mm)			
136	WT-22-027	Blackwater	Of	0	23	M - Moderate	MA - Massive	3	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
137	WT-22-069	Blackwater	Oh	0	90	W - Weak	MA - Massive	8	X - None	X - None	A - Abundant	F - Fine (1-2mm)			Deep woody peat
138	WT-22-071	Blackwater	Of	0	60	M - Moderate	MA - Massive	2	X - None	X - None	A - Abundant	F - Fine (1-2mm)			
139	WT-22-071	Blackwater	Om	60	100	M - Moderate	MA - Massive	7	X - None	X - None	X - None				
140	WT-22-101	Blackwater	Oh	0	31	W - Weak	MA - Massive	9	X - None	X - None	A - Abundant	F - Fine (1-2mm)			Wood derived peat on surface.
141	WT-22-055	Blackwater	Of	0	110	S - Strong	SP - Single Particle	4	X - None	A - Abundant		V - Very fine (<1mm)	6.77	Yes	

Table H-4: Wetland Baseline Data (2022) - Soils Organic

Object ID	Plot ID O	Comments	Global ID	Parent Global ID	Creation Date	Creator	Edit Date	Editor
95	WT-22-390a		{70bb4368-faad-4b9a-b457-ed2703bbb449}	{5e89a74e-9bb5-4cbb-8767-e6e5822d7246}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
96	WT-22-618a	Shallow to bedrock. Soil pit beside little creek. Creek about 1 m wide	{9381a458-a47b-4be6-be5b-46063eb9b1fe}	{9e6466a8-1003-4a2b-9dcb-4b699c2da1fa}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
97	WT-22-635		{023226ed-f2b2-4562-b8f7-754332e2a34e}	{339c4c3e-8da3-4e51-a33f-087d908d2f46}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
98	WT-22-635		{8d3d79c1-17c8-4d6a-aaff-22c93b680e39}	{339c4c3e-8da3-4e51-a33f-087d908d2f46}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
99	WT-22-391		{8ef46658-7531-4b76-ab72-a4304f8c5a05}	{ed8f354f-b716-4d08-9511-40d5698832e2}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
100	WT-22-391		{4093c753-546d-4fe0-955a-68f67069c297}	{ed8f354f-b716-4d08-9511-40d5698832e2}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
101	WT-22-479	Feels like silt mixed in. Shallow soil	{c5b68092-940c-4274-b0e6-10632762d425}	{ee2e20cb-93ea-452f-8f01-5aeaeaec5d75}	2022-07-28 2:28	Field1_ConsultEcoLogic	2022-07-28 2:28	Field1_ConsultEcoLogic
102	WT-22-518		{86216dce-5259-4403-8793-d6024ed28034}	{03d33393-470d-49f8-aed4-9647bbfbdeb1}	2022-07-28 18:56	EcoLogic_Consultants	2022-07-28 18:56	EcoLogic_Consultants
103	WT-22-518	Some silt mixed in Om	{fa6494a1-0e26-4724-a417-8cf49ce7924c}	{03d33393-470d-49f8-aed4-9647bbfbdeb1}	2022-07-28 18:56	EcoLogic_Consultants	2022-07-28 18:56	EcoLogic_Consultants
104	WT-22-519		{bd8a9632-1e80-4ef7-a4ea-c5ccb5f20d47}	{90d492bf-53ac-41fa-9451-90062ea275fd}	2022-07-28 22:33	EcoLogic_Consultants	2022-07-28 22:33	EcoLogic_Consultants
105	WT-22-519		{3584f842-44ac-420e-9e29-3e37439d8f67}	{90d492bf-53ac-41fa-9451-90062ea275fd}	2022-07-28 22:33	EcoLogic_Consultants	2022-07-28 22:33	EcoLogic_Consultants
106	WT-22-443		{02144a03-ee67-4fc6-ab58-73b3eeb226b9}	{89964f41-7c82-499c-9b38-3bbd04cd30f7}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
107	WT-22-443		{f2f4126b-8a0a-4473-9f7d-0a79060f583e}	{89964f41-7c82-499c-9b38-3bbd04cd30f7}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
108	WT-22-559		{e39b4a0d-3c11-4db6-9f11-fcabc077172a}	{0dd9399e-01e3-496a-bc74-8c99caf25870}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
109	WT-22-559		{a7d64302-06cc-4219-85ba-8a017e3e6e1a}	{0dd9399e-01e3-496a-bc74-8c99caf25870}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
110	WT-22-431		{c485d909-d5e4-45f9-bff2-ed60faefa6e7}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
111	WT-22-431		{2847d1b7-fd81-473f-bb78-a288bbb3765a}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
112	WT-22-431	Buried lignum horizon.	{121aaacd-b8c7-4ceb-a2cf-6d925f8a8f55}	{465b7944-1fa4-4bfe-a762-3471cde5e9fe}	2022-07-29 1:56	Field1_ConsultEcoLogic	2022-07-29 1:56	Field1_ConsultEcoLogic
113	WT-22-204		{67686879-7fab-4987-a966-26d2b44e5598}	{670c4e89-f619-4c16-b44e-b01b0862e7c9}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
114	WT-22-204		{98094395-71b0-4ff0-b121-9e3f2431f204}	{670c4e89-f619-4c16-b44e-b01b0862e7c9}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
115	WT-22-204		{9e642e0e-c648-46d2-81f9-14ff07a1a166}	{670c4e89-f619-4c16-b44e-b01b0862e7c9}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
116	WT-22-191		{b7772812-390c-4f84-9edb-063705bd51b4}	{0f6cc60e-ae8f-40d9-9d04-f3a1245ff14a}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
117	WT-22-191		{b7a40d13-a885-4884-aa39-000a1b5b3cf0}	{0f6cc60e-ae8f-40d9-9d04-f3a1245ff14a}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
118	WT-22-		{cde65c29-ac3d-4678-84bb-1a3dc99a4bda}	{be552bbd-6af5-4983-a0c5-0459048dfdd1}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
119	WT-22-		{87b0d338-8ca2-4d7c-a4c6-bbd87928b8fd}	{be552bbd-6af5-4983-a0c5-0459048dfdd1}	2022-07-30 0:01	EcoLogic_Consultants	2022-07-30 0:01	EcoLogic_Consultants
120	WT-22-423		{712f5d16-7714-4795-a9d1-f4b84ca6fa8e}	{8878f3c8-2e21-4e7e-adf9-403d42c76674}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
121	WT-22-423		{b0f8e140-8515-4970-acc3-1ec9bc6f4716}	{8878f3c8-2e21-4e7e-adf9-403d42c76674}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
122	WT-22-660		{c168f635-f618-4192-9b10-b44b38f97b4f}	{5c374411-8108-4f42-9c12-8c038ad1656a}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
123	WT-22-660		{ac2522b3-fe31-49b8-83ca-7940925d9325}	{5c374411-8108-4f42-9c12-8c038ad1656a}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
124	WT-22-422		{419d7bd7-32db-4880-8b64-f5a53a275665}	{899f0505-2ee9-4dc2-a75c-b35aa5bc0655}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
125	WT-22-429		{8e9c337f-1bc3-43fe-8461-a7d1a465997a}	{d15c0790-e687-46fa-8113-1c9d0ab0575e}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
126	WT-22-333		{28f8e399-8473-4aca-92bc-7fdbed13ffa6}	{833ef234-72e2-4652-b525-bcda709f419b}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
127	WT-22-535		{ce39573a-e965-41fd-af86-ebb0a54015bb}	{65e32f18-4507-4615-ae82-1f150c664cee}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
128	WT-22-535		{8e9a7658-f454-45a5-a372-3a6486dc2d16}	{65e32f18-4507-4615-ae82-1f150c664cee}	2022-07-30 4:29	Field1_ConsultEcoLogic	2022-07-30 4:29	Field1_ConsultEcoLogic
129	WT-22-661		{bbce5246-5660-4959-aa1a-fd67a861349e}	{5e7228b5-b131-4488-9cd7-20512e6e9f0a}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
130	WT-22-669		{64e4c2f1-4467-4cc4-ba57-6f4b89300102}	{55c9d947-824f-4f6d-b906-9e5bc60d58ac}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
131	WT-22-669		{84bb90b9-a3f1-42fe-ad42-9b6890ca5272}	{55c9d947-824f-4f6d-b906-9e5bc60d58ac}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
132	WT-22-399		{7ab5914e-4db5-47d6-99bf-875f4797c85b}	{3f21418e-87a6-4d45-a44f-85b900ae4ffe}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
133	WT-22-662		{f2ed815a-fcba-49d8-bdb0-3784bf81073c}	{cdff552d-fc85-43f4-893a-5a09b2467713}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
134	WT-22-662		{8424b9bb-daac-4c9b-91f7-8e22640dfd22}	{cdff552d-fc85-43f4-893a-5a09b2467713}	2022-07-31 1:02	Field1_ConsultEcoLogic	2022-07-31 1:02	Field1_ConsultEcoLogic
135	WT-22-023		{2adad3f5-dc67-40a3-b87d-ad93694d5fba}	{302a3afe-927c-486f-9ded-dc7cbbbeb762}	2022-08-01 2:43	EcoLogic_Consultants	2022-08-01 2:43	EcoLogic_Consultants
136	WT-22-027		{a812813a-3284-4cea-bc9d-9b4b6c0b6e2b}	{2c1ce23e-8a85-44b9-a7c7-5c02e66fb425}	2022-08-01 2:43	EcoLogic_Consultants	2022-08-01 2:43	EcoLogic_Consultants
137	WT-22-069	Deep woody peat	{1f4e82f7-cc96-43f6-bfe6-dfbcccc2f11f}	{bb87bd5e-110b-4e27-844a-bfb995a237b0}	2022-08-02 5:04	EcoLogic_Consultants	2022-08-02 5:04	EcoLogic_Consultants
138	WT-22-071		{6b36ea17-29f9-47c4-8363-0fa158f809e2}	{4d323970-1bc4-4c7c-b09b-730f7a35c60e}	2022-08-02 5:04	EcoLogic_Consultants	2022-08-02 5:04	EcoLogic_Consultants
139	WT-22-071		{65be0fbe-7a1f-4da6-aba0-e59a555436b2}	{4d323970-1bc4-4c7c-b09b-730f7a35c60e}	2022-08-02 5:04	EcoLogic_Consultants	2022-08-02 5:04	EcoLogic_Consultants
140	WT-22-101	Wood derived peat on surface.	{16514b46-343c-4373-8f26-53bf6d93b6a8}	{1d801309-1f32-49fe-89ef-c5c67bb94e4a}	2022-08-02 23:27	EcoLogic_Consultants	2022-08-02 23:27	EcoLogic_Consultants
141	WT-22-055		{87579c6f-3d7c-4100-8245-c7a422b2c4f2}	{e704a97b-e1ac-4a7d-b512-f41c360e9f06}	2022-08-03 13:24	mrobinson_ConsultEcoLogic	2022-08-03 13:24	mrobinson_ConsultEcoLogic

Table H-5: Wetland Baseline Data (2022) - Tree Attributes

Project ID	Plot ID	Surveyor(s)	Tree Species	Tree Species Common Name	Tree Species Code	DBH (cm)	Estimated Height (m)	Remnant Bark %	Canopy Closure	Crown Class	Appearance	Crown	Bark Condition	Wood Condition
Blackwater	WT-22-453	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	23	14	100	5	dominant	1	1	1	1
Blackwater	WT-22-627	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	10	4	100	0	dominant	1	1	1	1
Blackwater	WT-22-627	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	15	6	100	0	codominant	1	1	1	1
Blackwater	WT-22-633	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	15	10	100	0	dominant	1	1	1	1
Blackwater	WT-22-633	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	6	4	100	0	codominant	1	1	1	1
Blackwater	WT-22-623	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	6	3	100	0	dominant	1	2	1	1
Blackwater	WT-22-623	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	5	4	100	0	dominant	1	2	1	1
Blackwater	WT-22-624	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	10	6	100	0	dominant	1	1	1	1
Blackwater	WT-22-624	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	13	5	50	0	dominant	4	3	4	4
Blackwater	WT-22-455	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	26	13	100	25	dominant	2	2	1	2
Blackwater	WT-22-455	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	32	13	50	25	codominant	4	4	4	5
Blackwater	WT-22-455	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	35	15	100	25	dominant	1	1	1	1
Blackwater	WT-22-621	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	41	18	100	25	dominant	1	1	1	1
Blackwater	WT-22-621	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	27	17	100	25	dominant	1	1	1	1
Blackwater	WT-22-621	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	19	14	60	25	codominant	5	4	4	5
Blackwater	WT-22-621	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	43	17	70	25	dominant	3	3	4	4
Blackwater	WT-22-619	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	16	7	100	0	dominant	1	1	1	1
Blackwater	WT-22-619	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	23	9	100	0	dominant	1	2	1	2
Blackwater	WT-22-619	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	7	3	90	0	intermediate	2	2	2	2
Blackwater	WT-22-619	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	12	4	75	0	dominant	4	3	3	4
Blackwater	WT-22-620	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	11	6	100	0	dominant	1	1	1	1
Blackwater	WT-22-620	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	8	4	100	0	codominant	1	1	1	1
Blackwater	WT-22-620	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	7	3	100	0	intermediate	1	1	1	1
Blackwater	WT-22-620	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	16	6	100	0	dominant	4	3	3	4
Blackwater	WT-22-595	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	6	2	100	0	intermediate	1	1	1	1
Blackwater	WT-22-595	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	8	3	100	0	intermediate	1	1	1	1
Blackwater	WT-22-595	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	25	7	35	0	dominant	4	4	5	5
Blackwater	WT-22-595	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	8	4	100	0	dominant	1	1	1	1
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	54	24	100	45	dominant	1	1	1	1
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	51	23	100	45	dominant	1	1	1	1
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	57	22	99	45	dominant	2	2	2	2
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	62	27	60	45	dominant	5	4	4	4
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	65	31	100	40	dominant	1	1	1	1
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	67	32	100	40	dominant	1	1	5	1
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	76	24	80	40	dominant	5	4	3	3
Blackwater	WT-22-194	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	43	22	100	40	suppressed	2	2	2	2
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	61	26	55	40	dominant	5	4	4	4
Blackwater	WT-22-398	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	9	5	100	0	codominant	1	1	1	1
Blackwater	WT-22-398	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	15	6	100	0	dominant	1	1	1	1
Blackwater	WT-22-398	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	9	3	100	0	intermediate	1	1	1	1
Blackwater	WT-22-424a	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	19	8	95	0	intermediate	2	2	2	2
Blackwater	WT-22-424a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	22	7	100	0	intermediate	1	1	1	1
Blackwater	WT-22-424a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	6	3	50	0	intermediate	6	5	5	5
Blackwater	WT-22-465	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	71	29	100	40	dominant	1	1	1	1
Blackwater	WT-22-465	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	54	28	100	40	dominant	1	1	1	1

Table H-5: Wetland Baseline Data (2022) - Tree Attributes

Project ID	Plot ID	Surveyor(s)	Tree Species	Tree Species Common Name	Tree Species Code	DBH (cm)	Estimated Height (m)	Remnant Bark %	Canopy Closure	Crown Class	Appearance	Crown	Bark Condition	Wood Condition
Blackwater	WT-22-465	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	46	23	100	40	codominant	1	1	1	1
Blackwater	WT-22-465	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	24	25	100	40	codominant	1	1	1	1
Blackwater	WT-22-465	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	78	23	50	40	dominant	4	3	4	4
Blackwater	WT-22-639	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	66	26	100	20	dominant	1	1	1	1
Blackwater	WT-22-639	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	23	15	100	20	intermediate	1	1	1	1
Blackwater	WT-22-639	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	69	25	100	20	dominant	1	1	1	1
Blackwater	WT-22-639	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	39	19	100	20	intermediate	2	1	1	2
Blackwater	WT-22-639	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	16	12	100	20	intermediate	1	2	1	2
Blackwater	WT-22-638	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	10	8	100	0	dominant	1	1	1	1
Blackwater	WT-22-638	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	9	5	100	0	codominant	1	1	1	1
Blackwater	WT-22-638	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	6	4	100	0	intermediate	1	1	1	1
Blackwater	WT-22-638	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	12	4	100	0	intermediate	1	2	1	2
Blackwater	WT-22-638	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	6	7	100	0	dominant	1	1	1	1
Blackwater	WT-22-638	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	15	9	100	0	dominant	1	1	1	1
Blackwater	WT-22-373	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	5	2	100	0	dominant	1	1	1	1
Blackwater	WT-22-373	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	5	2	100	0	dominant	1	1	1	1
Blackwater	WT-22-373	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	3	1	100	0	dominant	1	1	1	1
Blackwater	WT-22-373	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	4	2	100	0	dominant	4	3	3	4
Blackwater	WT-22-373	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	8	3	100	0	codominant	1	1	1	1
Blackwater	WT-22-373	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	6	3	100	0	codominant	2	2	1	2
Blackwater	WT-22-373	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	4	2	100	0	codominant	7	1	1	
Blackwater	WT-22-656	Ryan Durand	*Abies lasiocarpa*	subalpine fir	ABIELAS	20	18	100	5	codominant	1	2	1	1
Blackwater	WT-22-656	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	28	18	90	20	codominant	2	2	2	2
Blackwater	WT-22-656	Ryan Durand	*Pinus contorta*	lodgepole pine	PINUCON	20	15	95	3	codominant	1	1	1	1
Blackwater	WT-22-510a	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	30	20	95	15	codominant	1	2	2	1
Blackwater	WT-22-510a	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	30	20	50	3	codominant	4	3	4	4
Blackwater	WT-22-510a	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	20	15	100	15	intermediate	1	1	1	1
Blackwater	WT-22-204	Ryan Durand	*Picea mariana*	black spruce	PICEMAR	10	5	100	3	codominant	1	1	1	1
Blackwater	WT-22-204	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	15	12	100	10	dominant	1	1	1	1
Blackwater	WT-22-071	Ryan Durand	*Picea mariana*	black spruce	PICEMAR	7	6	100	10	dominant	1	1	1	1
Blackwater	WT-22-236	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	26	15	100	35	dominant	1	2	2	2
Blackwater	WT-22-236	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	30	20	100	35	intermediate	1	1	1	2
Blackwater	WT-22-236	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	15	12	100	35	codominant	1	1	1	1
Blackwater	WT-22-390a	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	24	11	100	2	dominant	1	2	1	2
Blackwater	WT-22-390a	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	11	6	100	2	dominant	1	1	1	1
Blackwater	WT-22-390a	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	6	3	100	2	intermediate	1	1	1	1
Blackwater	WT-22-390a	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	9	5	100	2	intermediate	1	1	1	1
Blackwater	WT-22-390a	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	4	3	95	2	dominant	3	3	2	3
Blackwater	WT-22-618a	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	23	16	100	19	dominant	1	1	1	1
Blackwater	WT-22-618a	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	47	24	100	19	dominant	1	1	1	1
Blackwater	WT-22-618a	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	37	13	85	30	dominant	4	3	3	3
Blackwater	WT-22-618a	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	6	5	100	0	intermediate	1	1	1	1
Blackwater	WT-22-635	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	39	18	100	25	dominant	1	1	1	1
Blackwater	WT-22-635	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	31	17	95	25	dominant	3	3	2	3
Blackwater	WT-22-635	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	42	19	100	25	dominant	1	1	1	1

Table H-5: Wetland Baseline Data (2022) - Tree Attributes

Project ID	Plot ID	Surveyor(s)	Tree Species	Tree Species Common Name	Tree Species Code	DBH (cm)	Estimated Height (m)	Remnant Bark %	Canopy Closure	Crown Class	Appearance	Crown	Bark Condition	Wood Condition
Blackwater	WT-22-635	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	32	15	85	35	codominant	3	3	3	4
Blackwater	WT-22-479	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	24	17	100	25	dominant	1	1	1	1
Blackwater	WT-22-479	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	29	18	100	25	dominant	1	1	1	1
Blackwater	WT-22-479	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	26	14	90	25	codominant	4	3	3	3
Blackwater	WT-22-443	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	6	2	100	0	codominant	1	1	1	1
Blackwater	WT-22-443	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	8	4	100	0	dominant	1	1	1	6
Blackwater	WT-22-443	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	5	3	95	0	dominant	4	3	3	4
Blackwater	WT-22-443	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	3	2	99	0	codominant	4	3	2	4
Blackwater	WT-22-443	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	9	4	100	0	dominant	2	2	2	2
Blackwater	WT-22-431	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	42	20	100	35	dominant	1	1	1	1
Blackwater	WT-22-431	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	29	16	50	25	dominant	4	4	5	4
Blackwater	WT-22-431	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	23	14	100	25	codominant	1	1	1	1
Blackwater	WT-22-660	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	7	5	100	0	dominant	1	1	1	1
Blackwater	WT-22-660	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	5	5	100	2	dominant	1	1	1	1
Blackwater	WT-22-660	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	32	12	95	30	dominant	4	3	3	3
Blackwater	WT-22-660	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	15	10	96	30	dominant	4	3	2	3
Blackwater	WT-22-662	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	30	12	100	25	dominant	1	1	1	1
Blackwater	WT-22-662	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	22	14	80	30	dominant	4	2	3	4
Blackwater	WT-22-662	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON2	20	12	100	30	codominant	1	1	1	1
Blackwater	WT-22-202	Gord Emery	*Picea glauca*	white spruce	PICEGLA	45	30	100	30	dominant	1	2	1	1
Blackwater	WT-22-202	Gord Emery	*Picea glauca*	white spruce	PICEGLA	20	18	100	30	intermediate	1	2	1	1
Blackwater	WT-22-101	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	20	18	100	10	dominant	1	1	1	2
Blackwater	WT-22-101	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	8	12	100	15	intermediate	1	1	1	1
Blackwater	WT-22-148	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	40	22	100	30	dominant	1	1	1	1
Blackwater	WT-22-148	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	25	15	100	25	codominant	1	1	1	1
Blackwater	WT-22-148	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	15	10	100	20	intermediate	1	2	1	1
Blackwater	WT-22-148	Shantanu Dutt	*Abies lasiocarpa*	subalpine fir	ABIELAS	23	14	100	20	codominant	1	1	1	4
Blackwater	WT-22-148	Shantanu Dutt	*Abies lasiocarpa*	subalpine fir	ABIELAS	9	8	100	0	intermediate	1	1	1	1
Blackwater	WT-22-311	Shantanu Dutt	*Populus trichocarpa*	black cottonwood	POPUTRI	6	6	100	0	codominant	1	1	1	1
Blackwater	WT-22-311	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	6	5	100	0	codominant	1	1	1	1
Blackwater	WT-22-311	Shantanu Dutt	*Pinus contorta*	lodgepole pine	PINUCON	7	8	100	0	codominant	1	1	1	1
Blackwater	WT-22-403	Ryan Durand	*Picea engelmannii*	Engelmann spruce	PICEENG	34	15	95	40	dominant	1	1	2	1
Blackwater	WT-22-403	Ryan Durand	*Picea engelmannii*	Engelmann spruce	PICEENG	18	10	100	15	intermediate	1	1	1	1
Blackwater	WT-22-403	Ryan Durand	*Abies lasiocarpa*	subalpine fir	ABIELAS	22	12	100	10	codominant	1	1	1	1

Table H-5: Wetland Baseline Data (2022) - Tree Attributes

Project ID	Plot ID	Arboreal Lichen Series	Arboreal Lichen Class	Wildlife Use	Comments	CreationDate
Blackwater	WT-22-453	A_living_branches	2			7/8/2022 3:49
Blackwater	WT-22-627	A_living_branches	4			7/8/2022 3:49
Blackwater	WT-22-627	A_living_branches	3			7/8/2022 3:49
Blackwater	WT-22-633	A_living_branches	4			7/8/2022 3:49
Blackwater	WT-22-633	A_living_branches	3			7/8/2022 3:49
Blackwater	WT-22-623	B_mix_living_dead	4			7/9/2022 14:05
Blackwater	WT-22-623	B_mix_living_dead	4			7/9/2022 14:05
Blackwater	WT-22-624	B_mix_living_dead	3			7/9/2022 14:05
Blackwater	WT-22-624	C_dead_branches	4			7/9/2022 14:05
Blackwater	WT-22-455	A_living_branches	1			7/9/2022 14:05
Blackwater	WT-22-455	C_dead_branches	2			7/9/2022 14:05
Blackwater	WT-22-455	A_living_branches	2			7/9/2022 14:05
Blackwater	WT-22-621	A_living_branches	1			7/9/2022 14:05
Blackwater	WT-22-621	A_living_branches	1			7/9/2022 14:05
Blackwater	WT-22-621	C_dead_branches	1			7/9/2022 14:05
Blackwater	WT-22-621	C_dead_branches	1			7/9/2022 14:05
Blackwater	WT-22-619	A_living_branches	4			7/9/2022 14:05
Blackwater	WT-22-619	A_living_branches	3			7/9/2022 14:05
Blackwater	WT-22-619	B_mix_living_dead	4			7/9/2022 14:05
Blackwater	WT-22-619	C_dead_branches	5			7/9/2022 14:05
Blackwater	WT-22-620	A_living_branches	4			7/9/2022 14:06
Blackwater	WT-22-620	A_living_branches	2			7/9/2022 14:06
Blackwater	WT-22-620	B_mix_living_dead	4			7/9/2022 14:06
Blackwater	WT-22-620	C_dead_branches	3			7/9/2022 14:06
Blackwater	WT-22-595	A_living_branches	1			7/9/2022 14:06
Blackwater	WT-22-595	A_living_branches	1			7/9/2022 14:06
Blackwater	WT-22-595	C_dead_branches	3			7/9/2022 14:06
Blackwater	WT-22-595	B_mix_living_dead	4			7/9/2022 14:06
Blackwater	WT-22-227a	A_living_branches	1	squirrel_cache		7/10/2022 2:31
Blackwater	WT-22-227a	A_living_branches	1			7/10/2022 2:31
Blackwater	WT-22-227a	B_mix_living_dead	1			7/10/2022 2:31
Blackwater	WT-22-227a	C_dead_branches	1	feeding		7/10/2022 2:31
Blackwater	WT-22-194	C_dead_branches	1		Alectoria. Gray jays.	7/10/2022 2:31
Blackwater	WT-22-194	C_dead_branches	1		Lower branches are dead	7/10/2022 2:31
Blackwater	WT-22-194	C_dead_branches	1			7/10/2022 2:31
Blackwater	WT-22-194	C_dead_branches	1			7/10/2022 2:31
Blackwater	WT-22-194	C_dead_branches	1	perching_roosting	Tiny nits of Bryoria and elector is	7/10/2022 2:31
Blackwater	WT-22-398	B_mix_living_dead	4			7/10/2022 2:31
Blackwater	WT-22-398	B_mix_living_dead	1			7/10/2022 2:31
Blackwater	WT-22-398	C_dead_branches	1			7/10/2022 2:31
Blackwater	WT-22-424a	B_mix_living_dead	1			7/10/2022 2:31
Blackwater	WT-22-424a	B_mix_living_dead	1			7/10/2022 2:31
Blackwater	WT-22-424a	C_dead_branches	2			7/10/2022 2:31
Blackwater	WT-22-465	C_dead_branches	1	squirrel_cache		7/11/2022 0:42
Blackwater	WT-22-465	C_dead_branches	1	squirrel_cache		7/11/2022 0:42

Table H-5: Wetland Baseline Data (2022) - Tree Attributes

Project ID	Plot ID	Arboreal Lichen Series	Arboreal Lichen Class	Wildlife Use	Comments	CreationDate
Blackwater	WT-22-465	C_dead_branches	1			7/11/2022 0:42
Blackwater	WT-22-465	C_dead_branches	1			7/11/2022 0:42
Blackwater	WT-22-465	C_dead_branches	1			7/11/2022 0:42
Blackwater	WT-22-639	B_mix_living_dead	1	squirrel_cache		7/11/2022 0:42
Blackwater	WT-22-639	A_living_branches	2			7/11/2022 0:42
Blackwater	WT-22-639	B_mix_living_dead	1	squirrel_cache		7/11/2022 0:42
Blackwater	WT-22-639	A_living_branches	1	squirrel_cache		7/11/2022 0:42
Blackwater	WT-22-639	C_dead_branches	2			7/11/2022 0:42
Blackwater	WT-22-638	B_mix_living_dead	4			7/11/2022 0:42
Blackwater	WT-22-638	B_mix_living_dead	4			7/11/2022 0:42
Blackwater	WT-22-638	B_mix_living_dead	5			7/11/2022 0:42
Blackwater	WT-22-638	B_mix_living_dead	5			7/11/2022 0:42
Blackwater	WT-22-638	A_living_branches	3			7/11/2022 0:42
Blackwater	WT-22-638	B_mix_living_dead	5			7/11/2022 0:42
Blackwater	WT-22-373	A_living_branches	3			7/12/2022 2:34
Blackwater	WT-22-373	B_mix_living_dead	4			7/12/2022 2:34
Blackwater	WT-22-373	B_mix_living_dead	4			7/12/2022 2:34
Blackwater	WT-22-373	C_dead_branches	5			7/12/2022 2:34
Blackwater	WT-22-373	A_living_branches	3			7/12/2022 2:34
Blackwater	WT-22-373	B_mix_living_dead	4			7/12/2022 2:34
Blackwater	WT-22-373	A_living_branches	4			7/12/2022 2:34
Blackwater	WT-22-656	B_mix_living_dead	3			7/28/2022 0:09
Blackwater	WT-22-656	C_dead_branches	3			7/28/2022 0:09
Blackwater	WT-22-656	B_mix_living_dead	2			7/28/2022 0:09
Blackwater	WT-22-510a	A_living_branches	2			7/30/2022 0:00
Blackwater	WT-22-510a	C_dead_branches	1			7/30/2022 0:00
Blackwater	WT-22-510a	A_living_branches	3			7/30/2022 0:00
Blackwater	WT-22-204	B_mix_living_dead	3			7/30/2022 0:01
Blackwater	WT-22-204	B_mix_living_dead	3			7/30/2022 0:01
Blackwater	WT-22-071	B_mix_living_dead	4			8/2/2022 5:04
Blackwater	WT-22-236	C_dead_branches	4			7/27/2022 2:18
Blackwater	WT-22-236	C_dead_branches	1			7/27/2022 2:18
Blackwater	WT-22-236	B_mix_living_dead	1			7/27/2022 2:18
Blackwater	WT-22-390a	B_mix_living_dead	4			7/28/2022 2:28
Blackwater	WT-22-390a	B_mix_living_dead	3			7/28/2022 2:28
Blackwater	WT-22-390a	B_mix_living_dead	5			7/28/2022 2:28
Blackwater	WT-22-390a	B_mix_living_dead	2			7/28/2022 2:28
Blackwater	WT-22-390a	C_dead_branches	5			7/28/2022 2:28
Blackwater	WT-22-618a	B_mix_living_dead	3			7/28/2022 2:28
Blackwater	WT-22-618a	B_mix_living_dead	3			7/28/2022 2:28
Blackwater	WT-22-618a	B_mix_living_dead	2			7/28/2022 2:28
Blackwater	WT-22-618a	A_living_branches	1			7/28/2022 2:28
Blackwater	WT-22-635	B_mix_living_dead	2			7/28/2022 2:28
Blackwater	WT-22-635	C_dead_branches	2			7/28/2022 2:28
Blackwater	WT-22-635	B_mix_living_dead	3			7/28/2022 2:28

Table H-5: Wetland Baseline Data (2022) - Tree Attributes

Project ID	Plot ID	Arboreal Lichen Series	Arboreal Lichen Class	Wildlife Use	Comments	CreationDate
Blackwater	WT-22-635	C_dead_branches	4			7/28/2022 2:28
Blackwater	WT-22-479	C_dead_branches	3			7/28/2022 2:28
Blackwater	WT-22-479	C_dead_branches	2			7/28/2022 2:28
Blackwater	WT-22-479	C_dead_branches	3			7/28/2022 2:28
Blackwater	WT-22-443	B_mix_living_dead	2			7/29/2022 1:56
Blackwater	WT-22-443	B_mix_living_dead	5			7/29/2022 1:56
Blackwater	WT-22-443	C_dead_branches	2			7/29/2022 1:56
Blackwater	WT-22-443	C_dead_branches	4			7/29/2022 1:56
Blackwater	WT-22-443	B_mix_living_dead	3			7/29/2022 1:56
Blackwater	WT-22-431	B_mix_living_dead	1			7/29/2022 1:56
Blackwater	WT-22-431	C_dead_branches	1			7/29/2022 1:56
Blackwater	WT-22-431	A_living_branches	1			7/29/2022 1:56
Blackwater	WT-22-660	B_mix_living_dead	4			7/30/2022 4:30
Blackwater	WT-22-660	B_mix_living_dead	4			7/30/2022 4:30
Blackwater	WT-22-660	C_dead_branches	3			7/30/2022 4:30
Blackwater	WT-22-660	C_dead_branches	3			7/30/2022 4:30
Blackwater	WT-22-662	B_mix_living_dead	3			7/31/2022 1:02
Blackwater	WT-22-662	C_dead_branches	2			7/31/2022 1:02
Blackwater	WT-22-662	A_living_branches	2			7/31/2022 1:02
Blackwater	WT-22-202	B_mix_living_dead	1		Mostly living trees in the area. Dead trees from blowdown events	8/1/2022 3:19
Blackwater	WT-22-202	B_mix_living_dead	1			8/1/2022 3:19
Blackwater	WT-22-101	A_living_branches	2			8/3/2022 1:41
Blackwater	WT-22-101	C_dead_branches	3			8/3/2022 1:41
Blackwater	WT-22-148	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-148	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-148	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-148	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-148	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-311	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-311	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-311	A_living_branches	1			8/4/2022 23:41
Blackwater	WT-22-403	B_mix_living_dead	3			7/10/2022 4:21
Blackwater	WT-22-403	A_living_branches	1			7/10/2022 4:21
Blackwater	WT-22-403	A_living_branches	1			7/10/2022 4:21

Table H-6: Wetland Baseline Data (2022) - Coarse Woody Debris (CWD)

Project ID	Plot ID	Surveyor(s)	Tree Species	Tree Species Common Name	Tree Species Code	Class	Diameter (cm)	Length (m)	Height of Lowest End	Tilt Angle	Angle of Ground	Comments	CreationDate
Blackwater	WT-22-453	Claudia Houwers	*Abies amabilis*	amabilis fir	ABIEAMA	1_hard	21	7					7/8/2022 3:49
Blackwater	WT-22-453	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	1_hard	15	8					7/8/2022 3:49
Blackwater	WT-22-453	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	1_hard	36	14					7/8/2022 3:49
Blackwater	WT-22-629	Claudia Houwers	*Pinus contorta var. latifolia*	lodgepole pine	PINUCON2	2_sap_rot	26	6					7/8/2022 3:49
Blackwater	WT-22-633	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	1_hard	28	12					7/8/2022 3:49
Blackwater	WT-22-633	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	2_sap_rot	22	7					7/8/2022 3:49
Blackwater	WT-22-633	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	1_hard	22	10					7/8/2022 3:49
Blackwater	WT-22-455	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	4_extensive_decay	56	14					7/9/2022 14:05
Blackwater	WT-22-455	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	1_hard	28	15					7/9/2022 14:05
Blackwater	WT-22-455	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	1_hard	41	12					7/9/2022 14:05
Blackwater	WT-22-621	Claudia Houwers	*Picea engelmannii*	Engelmann spruce	PICEENG	4_extensive_decay	43	14					7/9/2022 14:05
Blackwater	WT-22-621	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	1_hard	13	13					7/9/2022 14:05
Blackwater	WT-22-621	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	1_hard	16	12					7/9/2022 14:05
Blackwater	WT-22-621	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	3_advanced_decay	21	8					7/9/2022 14:05
Blackwater	WT-22-620	Claudia Houwers	*Picea mariana*	black spruce	PICEMAR	2_sap_rot	21	9					7/9/2022 14:06
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	56	23				Squirrel feeding sign	7/10/2022 2:31
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	52	25					7/10/2022 2:31
Blackwater	WT-22-227a	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	2_sap_rot	23	23					7/10/2022 2:31
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	56	24					7/10/2022 2:31
Blackwater	WT-22-227a	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	2_sap_rot	37	17					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	3_advanced_decay	59	12					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	16	11					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	54	16					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	61	29					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	56	28					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	45	27					7/10/2022 2:31
Blackwater	WT-22-194	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	3_advanced_decay	14	6					7/10/2022 2:31
Blackwater	WT-22-220	Claudia Houwers	*Salix sitchensis*	Sitka willow	SALISIT	3_advanced_decay	5	4					7/10/2022 2:31
Blackwater	WT-22-220	Claudia Houwers	*Salix sitchensis*	Sitka willow	SALISIT	3_advanced_decay	7	5					7/10/2022 2:31
Blackwater	WT-22-465	Claudia Houwers	*Pinus contorta*	lodgepole pine	PINUCON	1_hard	42	24					7/11/2022 0:42
Blackwater	WT-22-465	Claudia Houwers	*Picea glauca*	white spruce	PICEGLA	1_hard	41	12					7/11/2022 0:42
Blackwater	WT-22-510a	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	4_extensive_decay	30	5	0	0	0	Most CWD is well decayed and covered in moss	7/30/2022 0:00
Blackwater	WT-22-510a	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	1_hard	18	15	0	20	0		7/30/2022 0:00
Blackwater	WT-22-510a	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	2_sap_rot	10	12	10	5	0		7/30/2022 0:00
Blackwater	WT-22-204	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	3_advanced_decay	20	10	0	0	0	Only a couple CWD on edges.	7/30/2022 0:01
Blackwater	WT-22-204	Ryan Durand	*Picea glauca*	white spruce	PICEGLA	4_extensive_decay	15	5	0	0	0		7/30/2022 0:01
Blackwater	WT-22-618a	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	16	16					7/28/2022 2:28
Blackwater	WT-22-618a	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	24	10					7/28/2022 2:28
Blackwater	WT-22-479	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	22	14					7/28/2022 2:28
Blackwater	WT-22-479	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	4_extensive_decay	23	6					7/28/2022 2:28
Blackwater	WT-22-479	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	14	10					7/28/2022 2:28
Blackwater	WT-22-479	Claudia Houwers	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	11	8					7/28/2022 2:28
Blackwater	WT-22-202	Gord Emery	*Picea glauca*	white spruce	PICEGLA	1_hard	35	30	20	5	0		8/1/2022 3:19
Blackwater	WT-22-202	Gord Emery	*Picea engelmannii*	Engelmann spruce	PICEENG	3_advanced_decay	25	10	0	18	0		8/1/2022 3:19
Blackwater	WT-22-202	Gord Emery	*Picea glauca*	white spruce	PICEGLA	2_sap_rot	45	20	50	3	0		8/1/2022 3:19

Table H-6: Wetland Baseline Data (2022) - Coarse Woody Debris (CWD)

Project ID	Plot ID	Surveyor(s)	Tree Species	Tree Species Common Name	Tree Species Code	Class	Diameter (cm)	Length (m)	Height of Lowest End	Tilt Angle	Angle of Ground	Comments	CreationDate
Blackwater	WT-22-101	Shantanu Dutt	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	6	6	0	5	0		8/3/2022 1:41
Blackwater	WT-22-101	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	1_hard	13	10	0	0	0		8/3/2022 1:41
Blackwater	WT-22-101	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	2_sap_rot	15	8	0	0	0		8/3/2022 1:41
Blackwater	WT-22-148	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	3_advanced_decay	25	12	0	0	0		8/4/2022 23:41
Blackwater	WT-22-148	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	1_hard	20	20	0	5	0		8/4/2022 23:41
Blackwater	WT-22-148	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	2_sap_rot	10	8	0	0	0		8/4/2022 23:41
Blackwater	WT-22-403	Ryan Durand	*Picea engelmannii*	Engelmann spruce	PICEENG	1_hard	31	16	15	10	0		7/10/2022 4:21
Blackwater	WT-22-403	Ryan Durand	*Picea engelmannii*	Engelmann spruce	PICEENG	3_advanced_decay	23	12	0	0	0		7/10/2022 4:21
Blackwater	WT-22-403	Ryan Durand	*Abies lasiocarpa*	subalpine fir	ABIELAS	2_sap_rot	26	16	5	10	0		7/10/2022 4:21
Blackwater	WT-22-311	Shantanu Dutt	*Picea engelmannii*	Engelmann spruce	PICEENG	2_sap_rot	8	20	20	3	0		8/4/2022 8:27
Blackwater	WT-22-311	Shantanu Dutt	*Pinus contorta*	lodgepole pine	PINUCON	1_hard	12	12	0	0	0		8/4/2022 8:27

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Surveyor Name	Date	Latitude	Longitude	Elevation	Accuracy	utm Zone	utm Easting	utm Northing	Number of 'No' Answers:	Conclusion on Function Condition
Blackwater	WT-22-673	Danielle Mai	2022-07-07 16:17	53.18328557196919	-124.85589700053826	1483.4612975601126	4.019036678854982	10	375984	5894268	0	Properly Functioning
Blackwater	WT-22-543	Danielle Mai	2022-07-07 18:11	53.182995094105486	-124.85661527921573	1483.1735928661242	3.6845826128850168	10	375935	5894236	0	Properly Functioning
Blackwater	WT-22-629	Danielle Mai	2022-07-07 20:57	53.189121140309254	-124.87922485155177	1417.968078902259	4.16815427069917	10	374442	5894957	0	Properly Functioning
Blackwater	WT-22-627	Danielle Mai	2022-07-07 22:21	53.18683711737443	-124.88110775728701	1412.6738745349244	5.981652017395131	10	374310	5894707	0	Properly Functioning
Blackwater	WT-22-633	Danielle Mai	2022-07-07 23:38	53.18812692928021	-124.88163903454365	1418.5580017945279	3.627228013202625	10	374278	5894851	0	Properly Functioning
Blackwater	WT-22-569	Ryan Durand	2022-07-08 22:35	53.19893098734782	-124.90991274846536	1365.6170652136207	4.722727756396074	10	372421	5896103	0	Properly Functioning
Blackwater	WT-22-545	Danielle Mai	2022-07-08 22:45	53.18227689251365	-124.89035348981741	1431.3854516334832	4.728408544507824	10	373679	5894216	0	Properly Functioning
Blackwater	WT-22-623	Danielle Mai	2022-07-08 15:24	53.180134842168705	-124.87812050484229	1452.5363802543538	2.784695924094421	10	374490	5893956	0	Properly Functioning
Blackwater	WT-22-624	Danielle Mai	2022-07-08 16:17	53.18066457354603	-124.87728433161381	1453.9346523427891	3.074792777967907	10	374547	5894013	3	Functioning At Risk
Blackwater	WT-22-455	Danielle Mai	2022-07-08 17:32	53.18041112502836	-124.87792786353796	1453.0936424023953	3.5893790223445348	10	374503	5893986	3	Functioning At Risk
Blackwater	WT-22-621B	Danielle Mai	2022-07-08 19:03	53.1810126340059	-124.88360742198267	1438.0729471648465	4.0364110307805445	10	374126	5894063	0	Properly Functioning
Blackwater	WT-22-619	Danielle Mai	2022-07-08 19:55	53.18097405044992	-124.88279418958973	1433.0248150856678	3.0457590633049714	10	374180	5894057	0	Properly Functioning
Blackwater	WT-22-620	Danielle Mai	2022-07-08 21:11	53.1843707000249	-124.88457527758626	1422.125204174337	3.0926440044720716	10	374071	5894438	0	Properly Functioning
Blackwater	WT-22-348	Danielle Mai	2022-07-08 21:51	53.183326014409516	-124.88598655028672	1424.227562872159	3.3491010239146943	10	373973	5894325	0	Properly Functioning
Blackwater	WT-22-345	Ryan Durand	2022-07-09 14:59	53.17939247868015	-124.86518642001107	1492.6605113679543	4.738421224176988	10	375352	5893851	0	Properly Functioning
Blackwater	WT-22-594	Ryan Durand	2022-07-09 16:17	53.17827633698483	-124.85972493554044	1494.6429573334754	4.738432635614322	10	375713	5893717	2	Properly Functioning
Blackwater	WT-22-367	Ryan Durand	2022-07-09 17:05	53.180142225403664	-124.85448277229018	1459.7677914099768	4.735283198402436	10	376069	5893915	1	Properly Functioning
Blackwater	WT-22-590	Ryan Durand	2022-07-09 18:04	53.180966943106625	-124.84846924985331	1462.1462745964527	4.730336985481641	10	376473	5893997	4	Functioning At Risk
Blackwater	WT-22-627A	Danielle Mai	2022-07-09 16:08	53.23683419194427	-124.8142645238456	1142.6342924432622	4.78283203752823	10	378917	5900152	0	Properly Functioning
Blackwater	WT-22-194	Danielle Mai	2022-07-09 17:23	53.23444415983593	-124.81690360916173	1150.1669319808261	4.289894514322021	10	378734	5899891	0	Properly Functioning
Blackwater	WT-22-220	Danielle Mai	2022-07-09 18:04	53.22712044277243	-124.82882430101118	1165.9291912314543	3.6923542184683606	10	377917	5899097	0	Properly Functioning
Blackwater	WT-22-398	Danielle Mai	2022-07-09 20:16	53.20741228623086	-124.83498644307811	1265.9796511215368	3.4215085107837986	10	377450	5896915	0	Properly Functioning
Blackwater	WT-22-424A	Danielle Mai	2022-07-09 21:42	53.205639861697215	-124.82789546727419	1258.6343562059471	3.7712246400993	10	377918	5896706	1	Properly Functioning
Blackwater	WT-22-504	Ryan Durand	2022-07-10 20:57	53.19336133765847	-124.90839009457162	1314.4101973390207	4.752112563260538	10	372506	5895481	1	Properly Functioning
Blackwater	WT-22-465	Danielle Mai	2022-07-10 14:57	53.21512101719109	-124.85453962798078	1221.4021579831024	3.6145004669871725	10	376166	5897806	0	Properly Functioning
Blackwater	WT-22-417	Danielle Mai	2022-07-10 16:05	53.21446451767563	-124.85609693193166	1219.3114456444005	3.84263589112056	10	376060	5897736	0	Properly Functioning
Blackwater	WT-22-632	Danielle Mai	2022-07-10 19:25	53.204542429525354	-124.8658386508661	1268.1710855762008	4.201573771860414	10	375381	5896649	0	Properly Functioning
Blackwater	WT-22-636	Danielle Mai	2022-07-10 20:10	53.20390109648585	-124.86540552257497	1266.5864297367507	3.7608320712159045	10	375408	5896577	0	Properly Functioning
Blackwater	WT-22-638	Danielle Mai	2022-07-10 20:40	53.203138535370265	-124.86675329673162	1265.9271518980281	3.6424206873940133	10	375316	5896495	0	Properly Functioning
Blackwater	WT-22-405	Danielle Mai	2022-07-10 21:38	53.20228197938298	-124.86778005965625	1266.026994603369	3.020352418745619	10	375245	5896401	0	Properly Functioning
Blackwater	WT-22-687	Danielle Mai	2022-07-10 22:20	53.20069826176109	-124.87008859305351	1278.2618722900306	3.6120618081938307	10	375086	5896229	0	Properly Functioning
Blackwater	WT-22-373	Danielle Mai	2022-07-11 15:50	53.20558760331546	-124.87821349250075	1324.4883661450317	3.0621818509910894	10	374558	5896787	0	Properly Functioning
Blackwater	WT-22-497	Danielle Mai	2022-07-11 18:13	53.198040439785146	-124.86585056870511	1347.2049612305975	3.490294368410603	10	375361	5895926	1	Properly Functioning
Blackwater	WT-22-480	Danielle Mai	2022-07-11 18:59	53.22487890745866	-124.86997944545375	1257.077715777323	3.940394510979904	10	375164	5898918	0	Properly Functioning
Blackwater	WT-22-481	Danielle Mai	2022-07-11 19:55	53.22475243089285	-124.8721402436966	1255.2300499051507	4.634052851787535	10	375019	5898908	0	Properly Functioning
Blackwater	WT-22-332	Danielle Mai	2022-07-11 21:30	53.22328358184208	-124.87111040380493	1252.8043112132482	3.560167320172648	10	375084	5898743	0	Properly Functioning
Blackwater	WT-22-015	Ryan Durand	2022-07-11 19:33	53.31842821560365	-124.75022187325979	933.7814196106046	4.770789697441932	10	383413	5909122	1	Properly Functioning

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Surveyor Name	Date	Latitude	Longitude	Elevation	Accuracy	utm Zone	utm Easting	utm Northing	Number of 'No' Answers:	Conclusion on Function Condition
Blackwater	WT-22-467	Ryan Durand	2022-07-12 16:16	53.1955111088	-124.82241041812344	1275.3060754518956	4.733585689657623	10	378256	5895570	0	Properly Functioning
Blackwater	WT-22-209	Ryan Durand	2022-07-12 17:15	53.197217686862125	-124.82042293793526	1264.2607324887067	4.736297462825618	10	378393	5895756	0	Properly Functioning
Blackwater	WT-22-201	Ryan Durand	2022-07-12 17:59	53.19494880123649	-124.81812342236157	1271.6893875971437	4.699414575782412	10	378541	5895500	0	Properly Functioning
Blackwater	WT-22-570	Ryan Durand	2022-07-12 19:28	53.198990670189424	-124.9125042908246	1364.5220079673454	4.739237690307167	10	372248	5896114	1	Properly Functioning
Blackwater	WT-22-003	Claudia Houwers	2022-07-26 20:58	53.315403333333336	-124.76041166666667	928.1	5	10	382726	5908802	2	Properly Functioning
Blackwater	WT-22-236	Claudia Houwers	2022-07-26 22:31	53.31611166666667	-124.75789000000002	937	5	10	382896	5908877	0	Properly Functioning
Blackwater	WT-22-011	Ryan Durand	2022-07-26 21:33	53.31766490565623	-124.75410171536072	933.0770472697914	4.741040874847137	10	383152	5909043	0	Properly Functioning
Blackwater	WT-22-652	Ryan Durand	2022-07-27 16:45	53.19937909720613	-124.88515756136417	1292.6932064564899	4.719741584757018	10	374076	5896109	0	Properly Functioning
Blackwater	WT-22-656	Ryan Durand	2022-07-27 18:51	53.19757924692758	-124.88329028896543	1304.871901315637	4.736204124708375	10	374195	5895905	0	Properly Functioning
Blackwater	WT-22-353b	Ryan Durand	2022-07-27 20:52	53.19790759467346	-124.89337552079871	1304.5660342248157	4.738037842490696	10	373523	5895960	5	Functioning At High Risk
Blackwater	WT-22-390a	Claudia Houwers	2022-07-27 16:18	53.18079075430046	-124.9011884738335	1447.710195376162	3.0840685716180505	10	372950	5894070	0	Properly Functioning
Blackwater	WT-22-618a	Claudia Houwers	2022-07-27 17:45	53.17905438240739	-124.8980152773742	1454.634698622205	3.7886128574644493	10	373157	5893871	0	Properly Functioning
Blackwater	WT-22-635	Claudia Houwers	2022-07-27 19:58	53.18656926141184	-124.87705089861345	1404.4333948800613	3.4898838025481846	10	374580	5894670	0	Properly Functioning
Blackwater	WT-22-391	Claudia Houwers	2022-07-27 21:50	53.17101058572874	-124.88889003926764	1534.955208062839	3.666374816623134	10	373743	5892960	0	Properly Functioning
Blackwater	WT-22-407	Ryan Durand	2022-07-28 14:48	53.1955864602771	-124.88752648577515	1328.9489513598382	4.73839201572653	10	373906	5895691	0	Properly Functioning
Blackwater	WT-22-517	Ryan Durand	2022-07-28 17:39	53.22210353696228	-124.86609868090733	1265.7870774185285	4.740219216609735	10	375415	5898603	5	Functioning At High Risk
Blackwater	WT-22-523	Ryan Durand	2022-07-28 18:07	53.22406622288801	-124.85832290358485	1259.6830487465486	4.737963114835206	10	375940	5898808	6	Functioning At High Risk
Blackwater	WT-22-518	Ryan Durand	2022-07-28 18:55	53.22259247524389	-124.85797676017746	1249.450683281757	4.734338932995083	10	375958	5898643	0	Properly Functioning
Blackwater	WT-22-519	Ryan Durand	2022-07-28 19:26	53.22281133669412	-124.85623590328609	1249.691226851195	4.7360858326034165	10	376075	5898665	4	Functioning At Risk
Blackwater	WT-22-436	Ryan Durand	2022-07-28 20:46	53.222728522886946	-124.85174992727868	1240.3098796643317	4.732801865875978	10	376374	5898648	0	Properly Functioning
Blackwater	WT-22-538c	Ryan Durand	2022-07-28 21:37	53.21993213563549	-124.85145603157395	1230.270105643198	4.7394896679407585	10	376386	5898336	0	Properly Functioning
Blackwater	WT-22-443	Claudia Houwers	2022-07-28 17:15	53.21335333333333	-124.88142666666667	1312.1	5	10	374366	5897656	0	Properly Functioning
Blackwater	WT-22-559	Claudia Houwers	2022-07-28 18:22	53.214375	-124.88111833333332	1317	5	10	374390	5897770	0	Properly Functioning
Blackwater	WT-22-431	Claudia Houwers	2022-07-28 23:27	53.217446666666675	-124.85814166666665	1233.7	5	10	375932	5898071	0	Properly Functioning
Blackwater	WT-22-671	Ryan Durand	2022-07-29 14:43	53.22065717436857	-124.8753680114992	1288.9632248952985	4.76669624453854	10	374792	5898458	0	Properly Functioning
Blackwater	WT-22-670	Ryan Durand	2022-07-29 15:01	53.21852559914699	-124.87761265414885	1298.9204081567004	4.741927460451463	10	374636	5898225	0	Properly Functioning
Blackwater	WT-22-510a	Ryan Durand	2022-07-29 17:06	53.22575321804547	-124.87558668257215	1268.0465303901583	4.721064354274985	10	374792	5899025	2	Properly Functioning
Blackwater	WT-22-204	Ryan Durand	2022-07-29 20:01	53.24107114245094	-124.81105082253902	1136.6378442281857	4.766604647443694	10	379143	5900618	0	Properly Functioning
Blackwater	WT-22-191	Ryan Durand	2022-07-29 21:42	53.249773822483014	-124.81251911507279	1111.5983026428148	4.762487381297366	10	379070	5901589	8	Not Properly Functioning
Blackwater	WT-22-190	Ryan Durand	2022-07-29 22:19	53.25182258205672	-124.81427054350185	1115.3941029282287	4.767599812820281	10	378958	5901820	7	Not Properly Functioning
Blackwater	WT-22-423	Claudia Houwers	2022-07-29 15:14	53.21571666666667	-124.84034166666666	1235.7	5	10	377116	5897848	0	Properly Functioning
Blackwater	WT-22-660	Claudia Houwers	2022-07-29 15:36	53.21549666666667	-124.83944333333334	1230.2	5	10	377175	5897822	0	Properly Functioning
Blackwater	WT-22-422	Claudia Houwers	2022-07-29 16:40	53.21500833333332	-124.84326666666665	1227.3	5	10	376919	5897774	1	Properly Functioning
Blackwater	WT-22-429	Claudia Houwers	2022-07-29 18:09	53.21762333333333	-124.84298166666669	1230.6	5	10	376945	5898065	0	Properly Functioning
Blackwater	WT-22-333	Claudia Houwers	2022-07-29 21:13	53.210620000000006	-124.84518833333335	1254.4	5	10	376778	5897289	0	Properly Functioning
Blackwater	WT-22-661	Claudia Houwers	2022-07-30 15:39	53.20754333333333	-124.84534	1275.3	5	10	376759	5896947	2	Properly Functioning
Blackwater	WT-22-669	Claudia Houwers	2022-07-30 16:55	53.20236166666667	-124.85000833333334	1314	5	10	376432	5896379	2	Properly Functioning

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Surveyor Name	Date	Latitude	Longitude	Elevation	Accuracy	utm Zone	utm Easting	utm Northing	Number of 'No' Answers:	Conclusion on Function Condition
Blackwater	WT-22-399	Claudia Houwers	2022-07-30 17:27	53.202805000000005	-124.85179000000001	1303.8	5	10	376314	5896432	4	Functioning At Risk
Blackwater	WT-22-202	Ryan Durand	2022-07-30 18:16	53.20654121705438	-124.8148590065006	1238.4826351916417	4.728845520666913	10	378791	5896784	0	Properly Functioning
Blackwater	WT-22-215	Ryan Durand	2022-07-30 19:03	53.208786822945015	-124.81796547087215	1240.6754068769515	4.7365718146953215	10	378590	5897039	0	Properly Functioning
Blackwater	WT-22-195	Ryan Durand	2022-07-30 19:08	53.20865558295903	-124.81885049088038	1242.56815110147	4.739777146870928	10	378531	5897026	0	Properly Functioning
Blackwater	WT-22-449	Ryan Durand	2022-07-30 21:21	53.19527653096534	-124.84694795028025	1340.8281911229715	4.773413538735309	10	376616	5895586	0	Properly Functioning
Blackwater	WT-22-023	Ryan Durand	2022-07-31 15:45	53.3447576027549	-124.64925083499573	1096.9292703364044	4.739520082959185	10	390206	5911890	0	Properly Functioning
Blackwater	WT-22-027	Ryan Durand	2022-07-31 17:30	53.357130909113685	-124.65441258649115	1090.0808490430936	4.756592078213931	10	389894	5913275	3	Functioning At Risk
Blackwater	WT-22-036	Ryan Durand	2022-07-31 20:07	53.43094312590977	-124.56136232482021	1115.401813772507	4.740852511569936	10	396266	5921346	8	Not Properly Functioning
Blackwater	WT-22-042	Ryan Durand	2022-07-31 21:27	53.4420373854238	-124.53204333359851	1096.0398640278727	4.741528082825423	10	398240	5922538	6	Functioning At High Risk
Blackwater	WT-22-069	Ryan Durand	2022-08-01 18:45	53.59600047459451	-124.71698155733844	949.719588663429	4.768040229741857	10	386370	5939944	7	Not Properly Functioning
Blackwater	WT-22-071	Ryan Durand	2022-08-01 19:37	53.59436140834828	-124.71244727032217	940.0517797321081	4.760549904426366	10	386666	5939754	0	Properly Functioning
Blackwater	WT-22-268	Ryan Durand	2022-08-01 22:28	53.63480861876159	-124.78195679692845	884.2196452114731	4.733791370231984	10	382179	5944367	6	Functioning At High Risk
Blackwater	WT-22-055	Gord Emery	2022-08-01 22:34	53.541823470386944	-124.58384528609446	979.4962496142834	4.7260760423445625	10	395046	5933713	2	Properly Functioning
Blackwater	WT-22-101	Ryan Durand	2022-08-02 17:02	53.71878175772053	-124.84001160182557	842.4808489233255	4.755021589989445	10	378582	5953805	8	Not Properly Functioning
Blackwater	WT-22-099	Ryan Durand	2022-08-02 17:59	53.7151732633632	-124.83749366738678	865.4397719250992	4.7520048412019	10	378738	5953400	4	Functioning At Risk
Blackwater	WT-22-284	Ryan Durand	2022-08-02 19:52	53.76436286036328	-124.85062308656599	824.4234274672344	4.739897238421039	10	378014	5958894	0	Properly Functioning
Blackwater	WT-22-285	Ryan Durand	2022-08-02 20:40	53.769371686668094	-124.85220473974618	813.83282688912	4.72742460741945	10	377925	5959454	0	Properly Functioning
Blackwater	WT-22-161	Ryan Durand	2022-08-02 21:41	53.83719343546629	-124.84493277071512	908.9988360749558	4.744220476292203	10	378600	5966986	3	Functioning At Risk
Blackwater	WT-22-148	Ryan Durand	2022-08-03 18:41	53.90778249172132	-124.8125258507791	1177.4037299370393	4.764294411109859	10	380933	5974783	6	Functioning At High Risk
Blackwater	WT-22-163	Ryan Durand	2022-08-03 21:27	53.96884816524374	-124.86176628545428	1149.6953671835363	4.725073155969119	10	377877	5981660	6	Functioning At High Risk
Blackwater	WT-22-311	Ryan Durand	2022-08-04 17:53	54.002675112730195	-124.92090418473039	938.3854145184159	4.732266783269507	10	374100	5985527	8	Not Properly Functioning
Blackwater	WT-22-170	Natasha Bush	2022-08-04 22:46	53.565075025308026	-124.60787023365613	1025.7136924955994	4.70943963814476	10	393513	5936335	6	Functioning At High Risk

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Comments on Health Assessment	Sum Answer No	Question 1: Vegetative cover is sufficient to perform various ecological function?	a) Is vegetative cover of the entire polygon (i.e., wetland portion of polygon AND upland portion of polygon representing 10 m from wetland edge that is within the assessment area) greater than 85%?	.Question 2: Is the presence of Invasive and/or Noxious Species minimal to non-existent in the entire polygon?	a) Is Invasive and/or Noxious Plant Canopy Cover less than 5% of the entire polygon?	b) Is the distribution of Invasive and/or Noxious Plants less than Code 4 in the entire polygon?
Blackwater	WT-22-673	Very flooded from natural causes	0	yes	yes	yes	yes	yes
Blackwater	WT-22-543	Undisturbed wetland, adjacent to camp/mine site.	0	yes	yes	yes	yes	yes
Blackwater	WT-22-629	Flooded naturally	0	yes	yes	yes	yes	yes
Blackwater	WT-22-627	Undisturbed wetland	0	yes	yes	yes	yes	yes
Blackwater	WT-22-633	Undisturbed wetland	0	yes	yes	yes	yes	yes
Blackwater	WT-22-569	Good condition	0	yes		yes		
Blackwater	WT-22-545		0	yes	yes	yes	yes	yes
Blackwater	WT-22-623	Lovely wetland	0	yes	yes	yes	yes	yes
Blackwater	WT-22-624	Right beside road, flooded, channel though, bridge over road to allow flow	3	yes	yes	yes	yes	yes
Blackwater	WT-22-455	Polygon split by road, fluctuates from forest to swamp	3	yes	yes	yes	yes	yes
Blackwater	WT-22-621B	Good representative ws	0	yes	yes	yes	yes	yes
Blackwater	WT-22-619		0	yes	yes	yes	yes	yes
Blackwater	WT-22-620		0	yes	yes	yes	yes	yes
Blackwater	WT-22-348		0	yes	yes	yes	yes	yes
Blackwater	WT-22-345	Good condition. Upslope road only nearby disturbance. No weeds	0	yes		yes		
Blackwater	WT-22-594	Clearing and drainage changes up slope but do not appear to be effecting wetland health or function	2	yes	yes	yes	yes	yes
Blackwater	WT-22-367		1	yes		yes	yes	yes
Blackwater	WT-22-590	Portions of wetland have upland clearing to edge and roads	4	yes	yes	yes	yes	yes
Blackwater	WT-22-627A		0	yes	yes	yes	yes	yes
Blackwater	WT-22-194		0	yes	yes	yes	yes	yes
Blackwater	WT-22-220		0	yes	yes	yes	yes	yes
Blackwater	WT-22-398		0	yes	yes	yes	yes	yes
Blackwater	WT-22-424A	Pond at end is flood3d, used to be marsh but flooded now.	1	yes	yes	yes	yes	yes
Blackwater	WT-22-504	Dead spruce or pine along stream where Wm01 occurs. Water flow increased at some point. Unknown why.	1	yes		yes		
Blackwater	WT-22-465		0	yes	yes	yes	yes	yes
Blackwater	WT-22-417		0	yes	yes	yes	yes	yes
Blackwater	WT-22-632		0	yes	yes	yes	yes	yes
Blackwater	WT-22-636		0	yes	yes	yes	yes	yes
Blackwater	WT-22-638		0	yes	yes	yes	yes	yes
Blackwater	WT-22-405	Undisturbed wetland, not near a road or infrastructure.	0	yes	yes	yes	yes	yes
Blackwater	WT-22-687	Healthy, Undisturbed wetland.	0	yes	yes	yes	yes	yes
Blackwater	WT-22-373		0	yes	yes	yes	yes	yes
Blackwater	WT-22-497		1	yes	yes	yes	yes	yes
Blackwater	WT-22-480	Undisturbed pattern fen, road close on one side	0	yes	yes	yes	yes	yes
Blackwater	WT-22-481		0	yes	yes	yes	yes	yes
Blackwater	WT-22-332	Patterned fen, no disturbance	0	yes	yes	yes	yes	yes
Blackwater	WT-22-015	Road bisects complex. Otherwise good condition.	1	yes	yes	yes	yes	

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Project ID	Plot ID	Comments on Health Assessment	Sum Answer No	Question 1: Vegetative cover is sufficient to perform various ecological function?	a) Is vegetative cover of the entire polygon (i.e., wetland portion of polygon AND upland portion of polygon representing 10 m from wetland edge that is within the assessment area) greater than 85%?	.Question 2: Is the presence of Invasive and/or Noxious Species minimal to non-existent in the entire polygon?	a) Is Invasive and/or Noxious Plant Canopy Cover less than 5% of the entire polygon?	b) Is the distribution of Invasive and/or Noxious Plants less than Code 4 in the entire polygon?
Blackwater	WT-22-467	Good condition. Only disturbance is mine roads. No changes to hydrology.	0	yes		yes		
Blackwater	WT-22-209	No disturbance	0	yes		yes		
Blackwater	WT-22-201	Excellent condition	0	yes		yes		
Blackwater	WT-22-570	Good condition. Some cleared upland adjacent.	1	yes		yes		
Blackwater	WT-22-003		2	yes	yes	yes	yes	yes
Blackwater	WT-22-236	Polygon not impacted by disturbance but road and cattle grazing in adjacent areas.	0	yes		yes		
Blackwater	WT-22-011	Great condition	0	yes		yes		
Blackwater	WT-22-652	Very good condition	0	yes		yes		
Blackwater	WT-22-656	Excellent condition	0	yes		yes		
Blackwater	WT-22-353b	Wetland bisected by road and drill pads	5	no	no	yes	yes	yes
Blackwater	WT-22-390a	Polygon intersected by road	0	yes		yes		
Blackwater	WT-22-618a	Polygon currently intact.	0	yes		yes		
Blackwater	WT-22-635	Polygon split by road	0	yes		yes		
Blackwater	WT-22-391	Pocket wetland. No disturbances	0	yes		yes		
Blackwater	WT-22-407	Excellent condition	0	yes		yes		
Blackwater	WT-22-517	Pocket wetland in large replanted clear cut	5	yes	yes	yes	yes	yes
Blackwater	WT-22-523	Drill pad and road on edge of wetland. Most of larger areas old clear cuts	6	no	no	yes	yes	yes
Blackwater	WT-22-518	Excellent condition	0	yes		yes		
Blackwater	WT-22-519		4	yes	yes	yes		
Blackwater	WT-22-436	Excellent condition	0	yes		yes		
Blackwater	WT-22-538c	Good condition except road bisecting wetland.	0	yes		yes	yes	yes
Blackwater	WT-22-443	Pocket wetland. No disturbances	0	yes		yes		
Blackwater	WT-22-559		0	yes		yes		
Blackwater	WT-22-431		0	yes		yes		
Blackwater	WT-22-671	Excellent condition.	0	yes		yes		
Blackwater	WT-22-670	Excellent condition	0	yes		yes		
Blackwater	WT-22-510a	Road bisects wetland and has flowing water in ruts. Does not appear to have changed overall hydrology	2	yes		yes		
Blackwater	WT-22-204	Good condition	0	yes	yes	yes	yes	
Blackwater	WT-22-191	About 1/3 of bog logged. Small retention area in cut block	8	no	no	yes	yes	yes
Blackwater	WT-22-190	Large logged area adjacent	7	no	no	yes	yes	yes
Blackwater	WT-22-423		0	yes		yes		
Blackwater	WT-22-660		0	yes		yes		
Blackwater	WT-22-422		1	yes		yes		
Blackwater	WT-22-429	Isolated pocket wetland	0	yes		yes		
Blackwater	WT-22-333		0	yes		yes		
Blackwater	WT-22-661		2	yes		yes		
Blackwater	WT-22-669		2	yes		yes		

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Comments on Health Assessment	Sum Answer No	Question 1: Vegetative cover is sufficient to perform various ecological function?	a) Is vegetative cover of the entire polygon (i.e., wetland portion of polygon AND upland portion of polygon representing 10 m from wetland edge that is within the assessment area) greater than 85%?	.Question 2: Is the presence of Invasive and/or Noxious Species minimal to non-existent in the entire polygon?	a) Is Invasive and/or Noxious Plant Canopy Cover less than 5% of the entire polygon?	b) Is the distribution of Invasive and/or Noxious Plants less than Code 4 in the entire polygon?
Blackwater	WT-22-399		4	yes		yes		
Blackwater	WT-22-202	Excellent condition	0	yes		yes		
Blackwater	WT-22-215	Excellent condition	0	yes		yes		
Blackwater	WT-22-195	Excellent condition	0	yes		yes		
Blackwater	WT-22-449	Excellent condition	0	yes		yes		
Blackwater	WT-22-023	Excellent condition	0	yes		yes		
Blackwater	WT-22-027	Western boundary is about 10 yr old replanted cut block	3	yes	yes	yes	yes	yes
Blackwater	WT-22-036	100% logged	8	no	no	yes	yes	
Blackwater	WT-22-042	100% burnt.	6	no	no	yes	yes	yes
Blackwater	WT-22-069	100% burnt on both sides. Fire guard road through wetland to north with no culvert affecting water movement.	7	no	no	yes	yes	yes
Blackwater	WT-22-071	Excellent condition	0	yes		yes		
Blackwater	WT-22-268	100% burnt on all sides. 50% of wetland burnt. Large looted area around. Hydrology intact through functional culvert.	6	no	no	yes	yes	yes
Blackwater	WT-22-055	The impacts are from natural disturbance. A forest fire has removed all shrub plants (Salix,and Betula), but natural regrow that is occurring. However, Sphagnum moss is >90% dead.	2	yes		yes		
Blackwater	WT-22-101	Logged all around and partially in. Cattle range.	8	no	no	yes	yes	yes
Blackwater	WT-22-099	100% logged around including swamp fringe.	4	no	no	yes	yes	yes
Blackwater	WT-22-284	Good condition except logging upslope	0	yes		yes		
Blackwater	WT-22-285	Excellent condition	0	yes		yes		
Blackwater	WT-22-161	Extensive logging in area. Creeek goes through large culvert; does not affect natural hydrology.	3	yes	yes	yes	yes	yes
Blackwater	WT-22-148	75% upslope logged about 10 yrs ago	6	no	no	yes	yes	yes
Blackwater	WT-22-163		6	yes	yes	no	no	yes
Blackwater	WT-22-311	Small swamp in large 20-30yr old replanted block. Appears to be early serial swamp in poor condition.	8	yes	yes	yes	yes	
Blackwater	WT-22-170		6	yes	yes	yes	yes	N/A

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 3: Have the number of disturbance-increaser species been limited to a satisfactory level?	a) Is the coverage of disturbance-caused undesirable species (e.g. domestic grasses, dandelions, pineapple weed, buttercups, etc.) less than 25% of total area in the riparian upland area 10 m from wetland edge?	Question 4: Is the vegetation of the entire polygon generally characteristic of what the healthy unmanaged wetland and riparian plant communities are normally?	a) Is greater than 85% of the layers and features in the wetland portion of the polygon intact?	b) Does greater than 85% of all expected layers and components show good recruitment, form, and vigor in the wetland?	c) Is greater than 75% of the layers and features in the 10 m upland portion of the polygon intact?	d) Does greater than 75% of all expected layers and components show good recruitment, form and vigor in the upland portion of the polygon?
Blackwater	WT-22-673	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-543	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-629	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-627	yes	yes	yes				
Blackwater	WT-22-633	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-569	yes		yes				
Blackwater	WT-22-545	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-623	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-624	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-455	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-621B	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-619	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-620	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-348	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-345	yes		yes				
Blackwater	WT-22-594	yes		yes	yes	yes	yes	yes
Blackwater	WT-22-367	yes		yes	yes	yes	yes	yes
Blackwater	WT-22-590	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-627A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-194	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-220	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-398	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-424A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-504	yes		yes				
Blackwater	WT-22-465	yes	yes	yes	yes	yes		yes
Blackwater	WT-22-417	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-632	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-636	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-638	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-405	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-687	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-373	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-497	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-480	yes	yes	yes		yes	yes	yes
Blackwater	WT-22-481	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-332	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-015	yes	yes	yes		yes	yes	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 3: Have the number of disturbance-increaser species been limited to a satisfactory level?	a) Is the coverage of disturbance-caused undesirable species (e.g. domestic grasses, dandelions, pineapple weed, buttercups, etc.) less than 25% of total area in the riparian upland area 10 m from wetland edge?	Question 4: Is the vegetation of the entire polygon generally characteristic of what the healthy unmanaged wetland and riparian plant communities are normally?	a) Is greater than 85% of the layers and features in the wetland portion of the polygon intact?	b) Does greater than 85% of all expected layers and components show good recruitment, form, and vigor in the wetland?	c) Is greater than 75% of the layers and features in the 10 m upland portion of the polygon intact?	d) Does greater than 75% of all expected layers and components show good recruitment, form and vigor in the upland portion of the polygon?
Blackwater	WT-22-467	yes		yes				
Blackwater	WT-22-209	yes		yes				
Blackwater	WT-22-201	yes		yes				
Blackwater	WT-22-570	yes		yes				
Blackwater	WT-22-003	yes	no	yes	yes	yes	yes	yes
Blackwater	WT-22-236	yes		yes				
Blackwater	WT-22-011	yes		yes				
Blackwater	WT-22-652	yes		yes				
Blackwater	WT-22-656	yes		yes				
Blackwater	WT-22-353b	yes		yes				
Blackwater	WT-22-390a	yes		yes				
Blackwater	WT-22-618a	yes		yes				
Blackwater	WT-22-635	yes		yes				
Blackwater	WT-22-391	yes		yes				
Blackwater	WT-22-407	yes		yes				
Blackwater	WT-22-517	yes		no	no	yes	no	
Blackwater	WT-22-523	yes	yes	no	yes		no	no
Blackwater	WT-22-518	yes		yes				
Blackwater	WT-22-519	yes	yes	no	yes		no	N/A
Blackwater	WT-22-436	yes		yes				
Blackwater	WT-22-538c	yes		yes	yes	yes	yes	yes
Blackwater	WT-22-443	yes		yes				
Blackwater	WT-22-559	yes		yes				
Blackwater	WT-22-431	yes		yes				
Blackwater	WT-22-671	yes		yes				
Blackwater	WT-22-670	yes		yes				
Blackwater	WT-22-510a	yes		yes				
Blackwater	WT-22-204	yes	yes	yes			yes	yes
Blackwater	WT-22-191	yes	yes	no	no		no	no
Blackwater	WT-22-190	yes	yes	no	no	yes	no	no
Blackwater	WT-22-423	yes		yes				
Blackwater	WT-22-660	yes		yes				
Blackwater	WT-22-422	yes		yes				
Blackwater	WT-22-429	yes		yes				
Blackwater	WT-22-333	yes		yes				
Blackwater	WT-22-661	yes		yes				
Blackwater	WT-22-669	yes		yes				

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 3: Have the number of disturbance-increaser species been limited to a satisfactory level?	a) Is the coverage of disturbance-caused undesirable species (e.g. domestic grasses, dandelions, pineapple weed, buttercups, etc.) less than 25% of total area in the riparian upland area 10 m from wetland edge?	Question 4: Is the vegetation of the entire polygon generally characteristic of what the healthy unmanaged wetland and riparian plant communities are normally?	a) Is greater than 85% of the layers and features in the wetland portion of the polygon intact?	b) Does greater than 85% of all expected layers and components show good recruitment, form, and vigor in the wetland?	c) Is greater than 75% of the layers and features in the 10 m upland portion of the polygon intact?	d) Does greater than 75% of all expected layers and components show good recruitment, form and vigor in the upland portion of the polygon?
Blackwater	WT-22-399	yes		yes				
Blackwater	WT-22-202	yes		yes				
Blackwater	WT-22-215	yes		yes				
Blackwater	WT-22-195	yes		yes				
Blackwater	WT-22-449	yes		yes				
Blackwater	WT-22-023	yes		yes				
Blackwater	WT-22-027	yes		no	yes	yes	no	yes
Blackwater	WT-22-036	yes	yes	no	no	no	no	no
Blackwater	WT-22-042	yes	yes	no	no	no	no	no
Blackwater	WT-22-069	yes	yes	no	yes	yes	no	yes
Blackwater	WT-22-071	yes		yes				
Blackwater	WT-22-268	yes	yes	no	no	no	no	no
Blackwater	WT-22-055	yes		yes				
Blackwater	WT-22-101	yes	yes	no	no	yes	no	no
Blackwater	WT-22-099	yes	yes	no	no		no	no
Blackwater	WT-22-284	yes		yes				
Blackwater	WT-22-285	yes		yes				
Blackwater	WT-22-161	yes	yes	no	yes	yes	no	no
Blackwater	WT-22-148	yes	yes	no	yes	yes	no	no
Blackwater	WT-22-163	yes	yes	no	no	no	no	no
Blackwater	WT-22-311	yes	yes	no	no	no	no	no
Blackwater	WT-22-170	yes	yes	no	no	yes	yes	

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	e) Is the % of the long-term trajectory of the vegetation community altered less than 15% for the entire polygon?	Question 5: Has sufficient vegetation been retained to minimize windthrow, maintain adequate screening, visual cover and an LWD supply?	a) On all wetlands, have most (apx. 95%) non-merchantable conifers, understory deciduous trees, shrubs and herbaceous vegetation been retained within 20m upland of the wetland edge?	b) For wetlands in the CDF, PP, BG, CWHxm, dm, ds and IDFxh, xw, xmbiogeoclimatic units, have all wildlife trees, 70% of the mature co-dominant windfirm conifers and all deciduous trees been retained in the Riparian Management Zone?	c) For wetlands in the ESSF, MS,ICH, MH, CWHvm, mm, ms, ws and IDFdm, dk1, dk2 biogeoclimatic units, have all wildlife trees, 40% of the mature co-dominant windfirm conifers and all deciduous trees been retained in the Riparian Management Zone?	d) For wetlands in the SWB, SBS, SBPS, BWBS, CWHvh and IDFww, mw, dk3, dk4 biogeoclimatic units, have all wildlife trees, 10% of the mature co-dominant windfirm conifers, and 30% of thedeciduous trees been retained in the Riparian Management Zone?	e) Is the wetland free of woody vegetation removal?
Blackwater	WT-22-673		yes	yes	yes	yes	yes	yes
Blackwater	WT-22-543		yes					
Blackwater	WT-22-629		yes					
Blackwater	WT-22-627		yes					
Blackwater	WT-22-633		yes					
Blackwater	WT-22-569		yes					
Blackwater	WT-22-545	yes	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-623	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-624	N/A	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-455	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-621B	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-619	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-620	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-348	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-345		yes					
Blackwater	WT-22-594	yes	no	no			no	
Blackwater	WT-22-367	yes	yes					
Blackwater	WT-22-590	yes	no	no			no	no
Blackwater	WT-22-627A	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-194	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-220	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-398	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-424A	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-504		yes					
Blackwater	WT-22-465	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-417	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-632	N/A	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-636	N/A	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-638	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-405	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-687	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-373	N/A	yes	N/A	N/A	N/A	N/A	yes
Blackwater	WT-22-497	N/A	yes	yes	N/A	N/A	N/A	
Blackwater	WT-22-480	N/A	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-481	N/A	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-332	N/A	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-015	yes	yes				yes	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	e) Is the % of the long-term trajectory of the vegetation community altered less than 15% for the entire polygon?	Question 5: Has sufficient vegetation been retained to minimize windthrow, maintain adequate screening, visual cover and an LWD supply?	a) On all wetlands, have most (apx. 95%) non-merchantable conifers, understory deciduous trees, shrubs and herbaceous vegetation been retained within 20m upland of the wetland edge?	b) For wetlands in the CDF, PP, BG, CWHxm, dm, ds and IDFxh, xw, xmbiogeoclimatic units, have all wildlife trees, 70% of the mature co-dominant windfirm conifers and all deciduous trees been retained in the Riparian Management Zone?	c) For wetlands in the ESSF, MS,ICH, MH, CWHvm, mm, ms, ws and IDFdm, dk1, dk2 biogeoclimatic units, have all wildlife trees, 40% of the mature co-dominant windfirm conifers and all deciduous trees been retained in the Riparian Management Zone?	d) For wetlands in the SWB, SBS, SBPS, BWBS, CWHvh and IDFww, mw, dk3, dk4 biogeoclimatic units, have all wildlife trees, 10% of the mature co-dominant windfirm conifers, and 30% of thedeciduous trees been retained in the Riparian Management Zone?	e) Is the wetland free of woody vegetation removal?
Blackwater	WT-22-467		yes					
Blackwater	WT-22-209		yes					
Blackwater	WT-22-201		yes					
Blackwater	WT-22-570		no	no			no	yes
Blackwater	WT-22-003	no	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-236		yes					
Blackwater	WT-22-011		yes					
Blackwater	WT-22-652		yes					
Blackwater	WT-22-656		yes					
Blackwater	WT-22-353b		yes					
Blackwater	WT-22-390a		yes					
Blackwater	WT-22-618a		yes					
Blackwater	WT-22-635		yes					
Blackwater	WT-22-391		yes					
Blackwater	WT-22-407		yes					
Blackwater	WT-22-517	yes	no	no				yes
Blackwater	WT-22-523	yes	no	no			no	no
Blackwater	WT-22-518		yes					
Blackwater	WT-22-519	N/A	no	no			no	yes
Blackwater	WT-22-436		yes					
Blackwater	WT-22-538c	yes	yes	yes			yes	
Blackwater	WT-22-443		yes					
Blackwater	WT-22-559		yes					
Blackwater	WT-22-431		yes					
Blackwater	WT-22-671		yes					
Blackwater	WT-22-670		yes					
Blackwater	WT-22-510a		yes					
Blackwater	WT-22-204	yes	yes					
Blackwater	WT-22-191	no	no	no			no	no
Blackwater	WT-22-190	no	no	no	N/A	N/A	no	no
Blackwater	WT-22-423		yes					
Blackwater	WT-22-660		yes					
Blackwater	WT-22-422		yes					
Blackwater	WT-22-429		yes					
Blackwater	WT-22-333		yes					
Blackwater	WT-22-661		yes					
Blackwater	WT-22-669		yes					

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	e) Is the % of the long-term trajectory of the vegetation community altered less than 15% for the entire polygon?	Question 5: Has sufficient vegetation been retained to minimize windthrow, maintain adequate screening, visual cover and an LWD supply?	a) On all wetlands, have most (apx. 95%) non-merchantable conifers, understory deciduous trees, shrubs and herbaceous vegetation been retained within 20m upland of the wetland edge?	b) For wetlands in the CDF, PP, BG, CWHxm, dm, ds and IDFxh, xw, xmbiogeoclimatic units, have all wildlife trees, 70% of the mature co-dominant windfirm conifers and all deciduous trees been retained in the Riparian Management Zone?	c) For wetlands in the ESSF, MS,ICH, MH, CWHvm, mm, ms, ws and IDFdm, dk1, dk2 biogeoclimatic units, have all wildlife trees, 40% of the mature co-dominant windfirm conifers and all deciduous trees been retained in the Riparian Management Zone?	d) For wetlands in the SWB, SBS, SBPS, BWBS, CWHvh and IDFww, mw, dk3, dk4 biogeoclimatic units, have all wildlife trees, 10% of the mature co-dominant windfirm conifers, and 30% of thedeciduous trees been retained in the Riparian Management Zone?	e) Is the wetland free of woody vegetation removal?
Blackwater	WT-22-399		yes					
Blackwater	WT-22-202		yes					
Blackwater	WT-22-215		yes					
Blackwater	WT-22-195		yes					
Blackwater	WT-22-449		yes					
Blackwater	WT-22-023		yes					
Blackwater	WT-22-027	yes	no	no			no	yes
Blackwater	WT-22-036	no	no	no			no	no
Blackwater	WT-22-042	no	no	no	N/A	N/A	no	no
Blackwater	WT-22-069	yes	no	no			no	yes
Blackwater	WT-22-071		yes					
Blackwater	WT-22-268	no	no	no			no	no
Blackwater	WT-22-055		yes					
Blackwater	WT-22-101	no	no	no			no	no
Blackwater	WT-22-099	no	no	no			no	no
Blackwater	WT-22-284		yes					
Blackwater	WT-22-285		yes					
Blackwater	WT-22-161	no	no	no			no	no
Blackwater	WT-22-148	no	no	no	N/A	no	N/A	no
Blackwater	WT-22-163	no	no	no	N/A	no	N/A	no
Blackwater	WT-22-311	no	no	no	N/A		no	no
Blackwater	WT-22-170		no	no			no	no

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 6: Is heavy browse and grazing absent in assessment polygon?	a) Is less than 50% of second and older leaders of palatable species browsed in the entire polygon?	b) Is 90% or more of the available grazing area free of heavy grazing?	c) Do seedlings or saplings of palatable tree and shrub species make up more than 5% of those species in the entire polygon?	Question 7: Has bare and compacted ground been minimized in the entire polygon?	a) Is there less than 5% bare and compacted ground in the entire polygon?	b) Is the amount of bare soil within and/or hydrologically connected to the entire polygon less than 15%?	Question 8: Is less than 15% of the entire polygon physically altered with noticeable impacts to vegetative communities and hydrologic function?	a) Is less than 15% of the entire polygon physically altered?
Blackwater	WT-22-673	yes				yes			yes	
Blackwater	WT-22-543	yes				yes	yes		yes	
Blackwater	WT-22-629	yes	yes	yes	yes	yes			yes	
Blackwater	WT-22-627	yes				yes	yes	yes	yes	
Blackwater	WT-22-633	yes	yes	yes	yes	yes			yes	yes
Blackwater	WT-22-569	yes				yes			yes	
Blackwater	WT-22-545	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-623	yes	yes	yes	yes	yes	N/A	yes	yes	N/A
Blackwater	WT-22-624	yes	yes		yes	yes	yes	yes	yes	yes
Blackwater	WT-22-455	yes	yes	yes	yes	yes	yes		yes	yes
Blackwater	WT-22-621B	yes	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-619	yes	yes	yes	yes	yes	N/A	N/A	yes	N/A
Blackwater	WT-22-620	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-348	yes		yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-345	yes				yes			yes	
Blackwater	WT-22-594	yes				yes			yes	
Blackwater	WT-22-367	yes				yes			yes	
Blackwater	WT-22-590	yes	yes	yes	yes	yes	yes	yes	yes	no
Blackwater	WT-22-627A	yes	yes	yes		yes	N/A	N/A	yes	yes
Blackwater	WT-22-194	yes		yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-220	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-398	yes	yes	yes	yes	yes	N/A	N/A	yes	N/A
Blackwater	WT-22-424A	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-504	yes				yes			yes	
Blackwater	WT-22-465	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-417	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-632	yes	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-636	yes	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-638	yes	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-405	yes	yes	yes	yes	yes	N/A	N/A	yes	N/A
Blackwater	WT-22-687	yes	yes	yes		yes	N/A	N/A	yes	N/A
Blackwater	WT-22-373	yes	yes	yes	yes	yes	N/A	N/A	yes	N/A
Blackwater	WT-22-497	yes	yes	yes	yes	yes	N/A	N/A	yes	N/A
Blackwater	WT-22-480	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-481	yes	yes	yes	yes	yes	N/A	N/A	yes	yes
Blackwater	WT-22-332	yes	yes	yes	yes	yes	N/A	N/A	yes	N/A
Blackwater	WT-22-015	yes				yes			yes	

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 6: Is heavy browse and grazing absent in assessment polygon?	a) Is less than 50% of second and older leaders of palatable species browsed in the entire polygon?	b) Is 90% or more of the available grazing area free of heavy grazing?	c) Do seedlings or saplings of palatable tree and shrub species make up more than 5% of those species in the entire polygon?	Question 7: Has bare and compacted ground been minimized in the entire polygon?	a) Is there less than 5% bare and compacted ground in the entire polygon?	b) Is the amount of bare soil within and/or hydrologically connected to the entire polygon less than 15%?	Question 8: Is less than 15% of the entire polygon physically altered with noticeable impacts to vegetative communities and hydrologic function?	a) Is less than 15% of the entire polygon physically altered?
Blackwater	WT-22-467	yes				yes			yes	
Blackwater	WT-22-209	yes				yes			yes	
Blackwater	WT-22-201	yes				yes			yes	
Blackwater	WT-22-570	yes				yes			yes	yes
Blackwater	WT-22-003	yes	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-236	yes				yes			yes	
Blackwater	WT-22-011	yes				yes			yes	
Blackwater	WT-22-652	yes				yes			yes	
Blackwater	WT-22-656	yes				yes			yes	
Blackwater	WT-22-353b	yes				no	no	no	no	no
Blackwater	WT-22-390a	yes				yes			yes	
Blackwater	WT-22-618a	yes				yes			yes	
Blackwater	WT-22-635	yes				yes			yes	
Blackwater	WT-22-391	yes				yes			yes	
Blackwater	WT-22-407	yes				yes			yes	
Blackwater	WT-22-517	yes				yes			yes	yes
Blackwater	WT-22-523	yes				no	no	no	yes	
Blackwater	WT-22-518	yes				yes			yes	
Blackwater	WT-22-519	yes				yes			yes	yes
Blackwater	WT-22-436	yes				yes			yes	
Blackwater	WT-22-538c	yes				yes	yes	yes	yes	yes
Blackwater	WT-22-443	yes				yes			yes	
Blackwater	WT-22-559	yes				yes			yes	
Blackwater	WT-22-431	yes				yes			yes	
Blackwater	WT-22-671	yes				yes			yes	
Blackwater	WT-22-670	yes				yes			yes	
Blackwater	WT-22-510a	yes				yes			yes	
Blackwater	WT-22-204	yes				yes			yes	
Blackwater	WT-22-191	yes	yes	yes	yes	yes	yes	yes	no	no
Blackwater	WT-22-190	yes				yes			no	no
Blackwater	WT-22-423	yes				yes			yes	
Blackwater	WT-22-660	yes				yes			yes	
Blackwater	WT-22-422	yes				yes			no	no
Blackwater	WT-22-429	yes				yes			yes	
Blackwater	WT-22-333	yes				yes			yes	
Blackwater	WT-22-661	yes				yes			no	no
Blackwater	WT-22-669	yes				yes			no	no

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 6: Is heavy browse and grazing absent in assessment polygon?	a) Is less than 50% of second and older leaders of palatable species browsed in the entire polygon?	b) Is 90% or more of the available grazing area free of heavy grazing?	c) Do seedlings or saplings of palatable tree and shrub species make up more than 5% of those species in the entire polygon?	Question 7: Has bare and compacted ground been minimized in the entire polygon?	a) Is there less than 5% bare and compacted ground in the entire polygon?	b) Is the amount of bare soil within and/or hydrologically connected to the entire polygon less than 15%?	Question 8: Is less than 15% of the entire polygon physically altered with noticeable impacts to vegetative communities and hydrologic function?	a) Is less than 15% of the entire polygon physically altered?
Blackwater	WT-22-399	yes				yes			no	no
Blackwater	WT-22-202	yes				yes			yes	
Blackwater	WT-22-215	yes				yes			yes	
Blackwater	WT-22-195	yes				yes			yes	
Blackwater	WT-22-449	yes				yes			yes	
Blackwater	WT-22-023	yes				yes			yes	
Blackwater	WT-22-027	yes	N/A	N/A	N/A	yes			yes	
Blackwater	WT-22-036	yes				yes			no	no
Blackwater	WT-22-042	yes	N/A	N/A	N/A	yes	yes		no	no
Blackwater	WT-22-069	yes	N/A	N/A	N/A	no	no	no	no	no
Blackwater	WT-22-071	yes				yes			yes	
Blackwater	WT-22-268	yes				yes			no	no
Blackwater	WT-22-055	yes				yes			yes	
Blackwater	WT-22-101	yes	yes	yes	yes	yes	yes	yes	no	no
Blackwater	WT-22-099	yes	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-284	yes				yes			yes	
Blackwater	WT-22-285	yes				yes			yes	
Blackwater	WT-22-161	yes	yes	yes	yes	yes			yes	
Blackwater	WT-22-148	yes	N/A	N/A	N/A	yes	yes	yes	yes	yes
Blackwater	WT-22-163	yes	yes	yes	yes	yes	yes	yes	yes	
Blackwater	WT-22-311	yes	yes	yes	yes	yes	yes	yes	no	no
Blackwater	WT-22-170	no	yes	yes	no	yes	yes	yes	yes	

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	b) Is the severity of the physical alteration slight or non-existent?	Question 9: Are wetland woody debris processes intact 10 m upland of the wetland?	a) Does the number or density of standing dead trees (snags) in theupland area and forested wetland areas (i.e., forested bogs and swamps), appear within the range of natural variability, not counting catastrophic events such as wildfire, i.e. neither too much or too little?	b) Are the standing dead trees composed of different diameter and decay classes?	c) Is more than half of the coarse woody debris present old, stable and well incorporated into the wetland, with no evidence of recent movement?	d) Does the coarse woody debris present show distinct multiple modes with regard to diameter and decay?	Question 10: Has vegetation around the wetland been adequately protected from windthrow?	a) Is the incidence of post-treatment windthrow 20 m upland around small (0-5 ha) wetlands with no RRZ less than 10% of the living stems over and above what occurs naturally in the area? If there is an RRZ then mark NA, and answer 10b.
Blackwater	WT-22-673		yes					yes	
Blackwater	WT-22-543		yes					yes	
Blackwater	WT-22-629		yes					yes	
Blackwater	WT-22-627		yes	yes	yes			yes	
Blackwater	WT-22-633		yes	yes	yes	yes	yes	yes	
Blackwater	WT-22-569		yes					yes	
Blackwater	WT-22-545	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-623	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-624	yes	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-455	yes	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-621B	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-619	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-620	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-348	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-345		yes					yes	
Blackwater	WT-22-594		yes					yes	
Blackwater	WT-22-367		yes					yes	
Blackwater	WT-22-590	yes	yes	no	yes	yes	yes	yes	
Blackwater	WT-22-627A	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-194	N/A	yes	yes	yes	yes	N/A	yes	N/A
Blackwater	WT-22-220	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-398	N/A	yes	N/A	N/A	N/A	N/A	yes	N/A
Blackwater	WT-22-424A	N/A	yes	N/A	N/A	N/A	yes	yes	N/A
Blackwater	WT-22-504		yes					yes	
Blackwater	WT-22-465	N/A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-417	N/A	yes	N/A	N/A	N/A	N/A	yes	yes
Blackwater	WT-22-632	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-636	N/A	yes	yes		yes	yes	yes	N/A
Blackwater	WT-22-638	N/A	yes	yes		yes	yes	yes	N/A
Blackwater	WT-22-405	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-687	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-373	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-497	N/A	yes	yes	yes	yes	yes	no	no
Blackwater	WT-22-480	N/A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-481	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-332	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-015		yes	yes				yes	

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	b) Is the severity of the physical alteration slight or non-existent?	Question 9: Are wetland woody debris processes intact 10 m upland of the wetland?	a) Does the number or density of standing dead trees (snags) in theupland area and forested wetland areas (i.e., forested bogs and swamps), appear within the range of natural variability, not counting catastrophic events such as wildfire, i.e. neither too much or too little?	b) Are the standing dead trees composed of different diameter and decay classes?	c) Is more than half of the coarse woody debris present old, stable and well incorporated into the wetland, with no evidence of recent movement?	d) Does the coarse woody debris present show distinct multiple modes with regard to diameter and decay?	Question 10: Has vegetation around the wetland been adequately protected from windthrow?	a) Is the incidence of post-treatment windthrow 20 m upland around small (0-5 ha) wetlands with no RRZ less than 10% of the living stems over and above what occurs naturally in the area? If there is an RRZ then mark NA, and answer 10b.
Blackwater	WT-22-467		yes					yes	
Blackwater	WT-22-209		yes					yes	
Blackwater	WT-22-201		yes					yes	
Blackwater	WT-22-570	yes	yes	yes	yes	N/A	N/A	yes	
Blackwater	WT-22-003	yes	yes	yes	N/A	N/A	N/A	yes	N/A
Blackwater	WT-22-236		yes					yes	
Blackwater	WT-22-011		yes					yes	
Blackwater	WT-22-652		yes					yes	
Blackwater	WT-22-656		yes					yes	
Blackwater	WT-22-353b	no	yes					yes	
Blackwater	WT-22-390a		yes					yes	
Blackwater	WT-22-618a		yes					yes	
Blackwater	WT-22-635		yes					yes	
Blackwater	WT-22-391		yes					yes	
Blackwater	WT-22-407		yes					yes	
Blackwater	WT-22-517	yes	no	no	no	N/A	N/A	no	no
Blackwater	WT-22-523		yes					yes	
Blackwater	WT-22-518		yes					yes	
Blackwater	WT-22-519	yes	yes					no	no
Blackwater	WT-22-436		yes					yes	
Blackwater	WT-22-538c	yes	yes					yes	
Blackwater	WT-22-443		yes					yes	
Blackwater	WT-22-559		yes					yes	
Blackwater	WT-22-431		yes					yes	
Blackwater	WT-22-671		yes					yes	
Blackwater	WT-22-670		yes					yes	
Blackwater	WT-22-510a		yes					yes	
Blackwater	WT-22-204		yes					yes	
Blackwater	WT-22-191	no	no	no	no	no	yes	no	no
Blackwater	WT-22-190	no	no	no	no	yes	yes	no	no
Blackwater	WT-22-423		yes					yes	
Blackwater	WT-22-660		yes					yes	
Blackwater	WT-22-422	no	yes					yes	
Blackwater	WT-22-429		yes					yes	
Blackwater	WT-22-333		yes					yes	
Blackwater	WT-22-661		yes					yes	
Blackwater	WT-22-669	no	yes					yes	

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	b) Is the severity of the physical alteration slight or non-existent?	Question 9: Are wetland woody debris processes intact 10 m upland of the wetland?	a) Does the number or density of standing dead trees (snags) in theupland area and forested wetland areas (i.e., forested bogs and swamps), appear within the range of natural variability, not counting catastrophic events such as wildfire, i.e. neither too much or too little?	b) Are the standing dead trees composed of different diameter and decay classes?	c) Is more than half of the coarse woody debris present old, stable and well incorporated into the wetland, with no evidence of recent movement?	d) Does the coarse woody debris present show distinct multiple modes with regard to diameter and decay?	Question 10: Has vegetation around the wetland been adequately protected from windthrow?	a) Is the incidence of post-treatment windthrow 20 m upland around small (0-5 ha) wetlands with no RRZ less than 10% of the living stems over and above what occurs naturally in the area? If there is an RRZ then mark NA, and answer 10b.
Blackwater	WT-22-399	no	yes					no	
Blackwater	WT-22-202		yes					yes	
Blackwater	WT-22-215		yes					yes	
Blackwater	WT-22-195		yes					yes	
Blackwater	WT-22-449		yes					yes	
Blackwater	WT-22-023		yes					yes	
Blackwater	WT-22-027		yes					yes	
Blackwater	WT-22-036	no	no	no	no	yes	yes	no	no
Blackwater	WT-22-042	no	yes	yes	no	yes	yes	no	no
Blackwater	WT-22-069	no	yes	yes	no	yes	yes	yes	N/A
Blackwater	WT-22-071		yes					yes	
Blackwater	WT-22-268	no	no	no	no	no	no	yes	
Blackwater	WT-22-055		yes					yes	
Blackwater	WT-22-101	no	no	no	no	yes	yes	no	no
Blackwater	WT-22-099	yes	yes	no	N/A	N/A	N/A	no	no
Blackwater	WT-22-284		yes					yes	
Blackwater	WT-22-285		yes					yes	
Blackwater	WT-22-161		yes					yes	
Blackwater	WT-22-148	yes	no	no	no	yes	yes	no	no
Blackwater	WT-22-163		yes	no	N/A	N/A		no	yes
Blackwater	WT-22-311	no	no	no	no	no	no	no	N/A
Blackwater	WT-22-170		yes	N/A	N/A	yes		yes	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	b) Is the incidence of post-treatment windthrow in the RRZ of the riparian area around large (> 5 ha) wetlands or small wetlands (0-5 ha) with a RRZ less than 5% of the living stems present over and above what occurs naturally in the area? If there is no RRZ then mark NA, and answer 10a.	c) Are wildlife trees (e.g. nest sites, bear dens) still standing, or if not, still functioning as wildlife trees?	Question 1: Is vegetation in the wetland and its riparian area free of any impacts due to changes in the hydrologic regime?	a) Are hydrologic changes minor or non-existent?	b) Are recent dead trees or shrubs absent from the wetland edge that would indicate a change in water level?	c) Is the wetland free of progressively younger age class plants or trees extending into the wetland from the drier edges of the wetland or adjacent upland area?	d) If the wetland has a defined stream flowing through it, is any incisement by the channel having a minor to non-existent effect on the wetland vegetation?	e) If any drainage tiles, ditches, dikes or gullies are present by the wetland, are they having only a minor to non-existent impact on the wetland vegetation?
Blackwater	WT-22-673			yes					
Blackwater	WT-22-543			yes					
Blackwater	WT-22-629			yes	yes	yes			yes
Blackwater	WT-22-627			yes					
Blackwater	WT-22-633			yes	yes				
Blackwater	WT-22-569			yes					
Blackwater	WT-22-545	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-623	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-624	N/A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-455	N/A	yes	no	no	yes	yes	no	no
Blackwater	WT-22-621B	N/A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-619	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-620	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-348	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-345			yes					
Blackwater	WT-22-594			no	yes	yes	yes	yes	
Blackwater	WT-22-367			yes	yes	yes	yes	yes	yes
Blackwater	WT-22-590	yes	yes	no	no	yes	yes	yes	yes
Blackwater	WT-22-627A	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-194	N/A	yes	yes	yes	yes	N/A	N/A	N/A
Blackwater	WT-22-220	N/A	N/A	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-398	N/A	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-424A	N/A	yes	no	yes	no	yes	N/A	
Blackwater	WT-22-504			no		no			
Blackwater	WT-22-465	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-417	N/A	yes	yes	yes	yes	yes	yes	N/A
Blackwater	WT-22-632	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-636	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-638	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-405	N/A	yes	yes	yes	yes	N/A	N/A	N/A
Blackwater	WT-22-687	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-373	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-497	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-480	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-481	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-332	N/A	yes	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-015			no	no	yes		yes	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	b) Is the incidence of post-treatment windthrow in the RRZ of the riparian area around large (> 5 ha) wetlands or small wetlands (0-5 ha) with a RRZ less than 5% of the living stems present over and above what occurs naturally in the area? If there is no RRZ then mark NA, and answer 10a.	c) Are wildlife trees (e.g. nest sites, bear dens) still standing, or if not, still functioning as wildlife trees?	Question 1: Is vegetation in the wetland and its riparian area free of any impacts due to changes in the hydrologic regime?	a) Are hydrologic changes minor or non-existent?	b) Are recent dead trees or shrubs absent from the wetland edge that would indicate a change in water level?	c) Is the wetland free of progressively younger age class plants or trees extending into the wetland from the drier edges of the wetland or adjacent upland area?	d) If the wetland has a defined stream flowing through it, is any incisement by the channel having a minor to non-existent effect on the wetland vegetation?	e) If any drainage tiles, ditches, dikes or gullies are present by the wetland, are they having only a minor to non-existent impact on the wetland vegetation?
Blackwater	WT-22-467			yes					
Blackwater	WT-22-209			yes					
Blackwater	WT-22-201			yes					
Blackwater	WT-22-570	N/A	N/A	yes	yes	yes	N/A	N/A	N/A
Blackwater	WT-22-003	N/A	N/A	yes	yes	yes	N/A	yes	yes
Blackwater	WT-22-236			yes					
Blackwater	WT-22-011			yes					
Blackwater	WT-22-652			yes					
Blackwater	WT-22-656			yes					
Blackwater	WT-22-353b		yes	no	no	yes	yes	yes	N/A
Blackwater	WT-22-390a			yes					
Blackwater	WT-22-618a			yes					
Blackwater	WT-22-635			yes					
Blackwater	WT-22-391			yes					
Blackwater	WT-22-407			yes					
Blackwater	WT-22-517	no	N/A	yes	yes	yes	yes	N/A	N/A
Blackwater	WT-22-523			no	no	yes	yes	N/A	
Blackwater	WT-22-518			yes					
Blackwater	WT-22-519	no		yes					
Blackwater	WT-22-436			yes					
Blackwater	WT-22-538c			yes	yes	yes			
Blackwater	WT-22-443			yes					
Blackwater	WT-22-559			yes					
Blackwater	WT-22-431			yes					
Blackwater	WT-22-671			yes					
Blackwater	WT-22-670			yes					
Blackwater	WT-22-510a			no	no	yes	yes	yes	yes
Blackwater	WT-22-204			yes	yes				
Blackwater	WT-22-191	no	no	no	no	yes	yes	N/A	N/A
Blackwater	WT-22-190	no		yes	yes				
Blackwater	WT-22-423			yes					
Blackwater	WT-22-660			yes					
Blackwater	WT-22-422			yes					
Blackwater	WT-22-429			yes					
Blackwater	WT-22-333			yes					
Blackwater	WT-22-661			yes					
Blackwater	WT-22-669			yes					

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	b) Is the incidence of post-treatment windthrow in the RRZ of the riparian area around large (> 5 ha) wetlands or small wetlands (0-5 ha) with a RRZ less than 5% of the living stems present over and above what occurs naturally in the area? If there is no RRZ then mark NA, and answer 10a.	c) Are wildlife trees (e.g. nest sites, bear dens) still standing, or if not, still functioning as wildlife trees?	Question 1: Is vegetation in the wetland and its riparian area free of any impacts due to changes in the hydrologic regime?	a) Are hydrologic changes minor or non-existent?	b) Are recent dead trees or shrubs absent from the wetland edge that would indicate a change in water level?	c) Is the wetland free of progressively younger age class plants or trees extending into the wetland from the drier edges of the wetland or adjacent upland area?	d) If the wetland has a defined stream flowing through it, is any incisement by the channel having a minor to non-existent effect on the wetland vegetation?	e) If any drainage tiles, ditches, dikes or gullies are present by the wetland, are they having only a minor to non-existent impact on the wetland vegetation?
Blackwater	WT-22-399			no	no				
Blackwater	WT-22-202			yes					
Blackwater	WT-22-215			yes					
Blackwater	WT-22-195			yes					
Blackwater	WT-22-449			yes					
Blackwater	WT-22-023			yes					
Blackwater	WT-22-027			yes					
Blackwater	WT-22-036	no	no	no	no		no	N/A	N/A
Blackwater	WT-22-042	no	no	yes		yes	yes	yes	yes
Blackwater	WT-22-069	N/A	N/A	no	no	yes		yes	N/A
Blackwater	WT-22-071			yes					
Blackwater	WT-22-268			yes	yes	yes	yes	yes	yes
Blackwater	WT-22-055			no	yes	no	N/A	N/A	N/A
Blackwater	WT-22-101	no	no	no	no	yes	yes	N/A	N/A
Blackwater	WT-22-099	no	N/A	yes		yes	yes	N/A	N/A
Blackwater	WT-22-284			yes					
Blackwater	WT-22-285			yes					
Blackwater	WT-22-161			yes	yes	yes	yes	yes	yes
Blackwater	WT-22-148	no	no	yes	yes	yes	yes		N/A
Blackwater	WT-22-163	yes	no	no	yes	no	yes	N/A	N/A
Blackwater	WT-22-311	N/A	no	no	yes	yes	no	N/A	N/A
Blackwater	WT-22-170	N/A	N/A	no	no	yes	yes	N/A	N/A

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 12: Is there an absence of significant threats to water levels in the wetland?	a) If present, is the outlet structure stable and allows water to pass securely? Mark Yes if outlet structure lacks animal burrows, erosion, leakage.	b) If the wetland has a channel, there is no presence of active head-cuts below or within the wetland (i.e., locations of active downcutting in channel)?	c) Is less than 15 % of the shoreline of the wetland or any stream channels flowing through the wetland disturbed in any way?	d) If the wetland has a stream channel, does the channel bank have vegetation with greater than 65 % deep binding rootmass?	Question 13: Does the water quality of the wetland appear to be within reasonable range of natural variation?	a) Does the wetland lack any signs of excessive nutrient loading such as algae matts, blooms, fish kills?	b) Do basic water quality parameters (smell, colour, pH, turbidity, temperature) appear to be within a reasonable range of natural variation?
Blackwater	WT-22-673	yes					yes		
Blackwater	WT-22-543	yes					yes		
Blackwater	WT-22-629	yes					yes		
Blackwater	WT-22-627	yes					yes	yes	yes
Blackwater	WT-22-633	yes					yes	yes	yes
Blackwater	WT-22-569	yes					yes		
Blackwater	WT-22-545	yes	N/A	N/A	yes	yes	yes	yes	yes
Blackwater	WT-22-623	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-624	no	yes	yes	no	yes	yes	yes	yes
Blackwater	WT-22-455	no	yes	no	yes	yes	yes	yes	yes
Blackwater	WT-22-621B	yes	N/A	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-619	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-620	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-348	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-345	yes					yes		
Blackwater	WT-22-594	yes					yes		
Blackwater	WT-22-367	yes			yes	yes	yes		
Blackwater	WT-22-590	yes	yes	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-627A	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-194	yes	N/A	N/A	N/A	N/A	yes	yes	
Blackwater	WT-22-220	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-398	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-424A	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-504	yes					yes		
Blackwater	WT-22-465	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-417	yes	N/A	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-632	yes	N/A	N/A	N/A	yes	yes	yes	yes
Blackwater	WT-22-636	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-638	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-405	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-687	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-373	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-497	yes	N/A	N/A		N/A	yes	yes	yes
Blackwater	WT-22-480	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-481	yes	yes	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-332	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-015	yes	yes	yes	yes	yes	yes	yes	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 12: Is there an absence of significant threats to water levels in the wetland?	a) If present, is the outlet structure stable and allows water to pass securely? Mark Yes if outlet structure lacks animal burrows, erosion, leakage.	b) If the wetland has a channel, there is no presence of active head-cuts below or within the wetland (i.e., locations of active downcutting in channel)?	c) Is less than 15 % of the shoreline of the wetland or any stream channels flowing through the wetland disturbed in any way?	d) If the wetland has a stream channel, does the channel bank have vegetation with greater than 65 % deep binding rootmass?	Question 13: Does the water quality of the wetland appear to be within reasonable range of natural variation?	a) Does the wetland lack any signs of excessive nutrient loading such as algae matts, blooms, fish kills?	b) Do basic water quality parameters (smell, colour, pH, turbidity, temperature) appear to be within a reasonable range of natural variation?
Blackwater	WT-22-467	yes					yes		
Blackwater	WT-22-209	yes					yes		
Blackwater	WT-22-201	yes					yes		
Blackwater	WT-22-570	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-003	no	N/A	yes	no	yes	yes	no	yes
Blackwater	WT-22-236	yes					yes		
Blackwater	WT-22-011	yes					yes		
Blackwater	WT-22-652	yes					yes		
Blackwater	WT-22-656	yes					yes		
Blackwater	WT-22-353b	yes					yes	yes	yes
Blackwater	WT-22-390a	yes					yes		
Blackwater	WT-22-618a	yes					yes		
Blackwater	WT-22-635	yes					yes		
Blackwater	WT-22-391	yes					yes		
Blackwater	WT-22-407	yes					yes		
Blackwater	WT-22-517	yes					yes		
Blackwater	WT-22-523	yes	N/A	N/A	N/A	N/A	yes		
Blackwater	WT-22-518	yes					yes		
Blackwater	WT-22-519	yes					yes		
Blackwater	WT-22-436	yes					yes		
Blackwater	WT-22-538c	yes					yes		
Blackwater	WT-22-443	yes					yes		
Blackwater	WT-22-559	yes					yes		
Blackwater	WT-22-431	yes					yes		
Blackwater	WT-22-671	yes					yes		
Blackwater	WT-22-670	yes					yes		
Blackwater	WT-22-510a	yes	yes				yes		
Blackwater	WT-22-204	yes					yes		
Blackwater	WT-22-191	yes	N/A	N/A	N/A	N/A	yes		
Blackwater	WT-22-190	yes	N/A	N/A	N/A	N/A	yes		
Blackwater	WT-22-423	yes					yes		
Blackwater	WT-22-660	yes					yes		
Blackwater	WT-22-422	yes					yes		
Blackwater	WT-22-429	yes					yes		
Blackwater	WT-22-333	yes					yes		
Blackwater	WT-22-661	yes					yes		
Blackwater	WT-22-669	yes					yes		

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 12: Is there an absence of significant threats to water levels in the wetland?	a) If present, is the outlet structure stable and allows water to pass securely? Mark Yes if outlet structure lacks animal burrows, erosion, leakage.	b) If the wetland has a channel, there is no presence of active head-cuts below or within the wetland (i.e., locations of active downcutting in channel)?	c) Is less than 15 % of the shoreline of the wetland or any stream channels flowing through the wetland disturbed in any way?	d) If the wetland has a stream channel, does the channel bank have vegetation with greater than 65 % deep binding rootmass?	Question 13: Does the water quality of the wetland appear to be within reasonable range of natural variation?	a) Does the wetland lack any signs of excessive nutrient loading such as algae matts, blooms, fish kills?	b) Do basic water quality parameters (smell, colour, pH, turbidity, temperature) appear to be within a reasonable range of natural variation?
Blackwater	WT-22-399	no					yes		
Blackwater	WT-22-202	yes					yes		
Blackwater	WT-22-215	yes					yes		
Blackwater	WT-22-195	yes					yes		
Blackwater	WT-22-449	yes					yes		
Blackwater	WT-22-023	yes					yes		
Blackwater	WT-22-027	yes					yes		
Blackwater	WT-22-036	yes					yes		
Blackwater	WT-22-042	yes	yes	yes	yes	yes	yes		
Blackwater	WT-22-069	no	no	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-071	yes					yes		
Blackwater	WT-22-268	yes					yes		
Blackwater	WT-22-055	no	N/A	N/A	N/A	N/A	yes		
Blackwater	WT-22-101	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-099	yes	N/A	N/A	N/A		yes		
Blackwater	WT-22-284	yes					yes		
Blackwater	WT-22-285	yes					yes		
Blackwater	WT-22-161	yes	yes	yes	yes	yes	yes		
Blackwater	WT-22-148	yes	N/A	N/A	N/A	N/A	yes	yes	yes
Blackwater	WT-22-163	yes	N/A	N/A	N/A	N/A	yes		
Blackwater	WT-22-311	yes	yes	N/A	N/A	N/A	yes		
Blackwater	WT-22-170	yes	N/A	N/A	N/A	N/A	yes	N/A	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 14: Is the riparian and upland habitat beside the wetland of adequate size and quality to mitigate impacts on critical activities (movements, feeding, breeding) by the area's desired wildlife (e.g., grizzly, ungulates, martin, raptors, woodpeckers, songbirds, waterfowl, reptiles, amphibians, etc.)?	a) Does 75% or more of the wetland have a riparian area around it that has not been modified by human activities, 30 m wide in the case of small wetlands (0-5 ha), or 50 m wide for large (> 5 ha) wetlands?	b)) Is 10% or less of the wetland's shoreline visible from any point on a road, pipeline or powerline within 300 m of small wetlands, or 500 m of large wetlands?	c) Do right-of-ways within 100 m of the wetland impinge on no more than 10% of the wetland's perimeter?	d) Is the percent cover of mature and old forest within 2 kilometers of the wetland perimeter greater than the minimal target for the area's respective bio-geoclimatic zone and natural disturbance type?	Question 15: Are surface and subsurface flows to the wetland intact?
Blackwater	WT-22-673	yes					yes
Blackwater	WT-22-543	yes					yes
Blackwater	WT-22-629	yes	yes	yes	no		yes
Blackwater	WT-22-627	yes	yes				yes
Blackwater	WT-22-633	yes					yes
Blackwater	WT-22-569	yes					yes
Blackwater	WT-22-545	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-623	yes	yes	N/A	N/A	N/A	yes
Blackwater	WT-22-624	no	no	no	no		no
Blackwater	WT-22-455	yes	yes	no	yes	yes	no
Blackwater	WT-22-621B	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-619	yes	yes	yes	N/A	yes	yes
Blackwater	WT-22-620	yes	yes	yes	N/A	yes	yes
Blackwater	WT-22-348	yes	yes	yes	N/A	yes	yes
Blackwater	WT-22-345	yes					yes
Blackwater	WT-22-594	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-367	yes	yes	yes	yes	no	no
Blackwater	WT-22-590	no	no	yes	no	no	no
Blackwater	WT-22-627A	yes	N/A	N/A	N/A	yes	yes
Blackwater	WT-22-194	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-220	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-398	yes	N/A	yes	yes	yes	yes
Blackwater	WT-22-424A	yes	N/A	N/A	N/A	yes	yes
Blackwater	WT-22-504	yes					yes
Blackwater	WT-22-465	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-417	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-632	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-636	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-638	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-405	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-687	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-373	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-497	yes	yes			yes	yes
Blackwater	WT-22-480	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-481	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-332	yes	yes	yes	yes	yes	yes
Blackwater	WT-22-015	yes	yes	yes	yes	no	yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 14: Is the riparian and upland habitat beside the wetland of adequate size and quality to mitigate impacts on critical activities (movements, feeding, breeding) by the area's desired wildlife (e.g., grizzly, ungulates, martin, raptors, woodpeckers, songbirds, waterfowl, reptiles, amphibians, etc.)?	a) Does 75% or more of the wetland have a riparian area around it that has not been modified by human activities, 30 m wide in the case of small wetlands (0-5 ha), or 50 m wide for large (> 5 ha) wetlands?	b)) Is 10% or less of the wetland's shoreline visible from any point on a road, pipeline or powerline within 300 m of small wetlands, or 500 m of large wetlands?	c) Do right-of-ways within 100 m of the wetland impinge on no more than 10% of the wetland's perimeter?	d) Is the percent cover of mature and old forest within 2 kilometers of the wetland perimeter greater than the minimal target for the area's respective bio-geoclimatic zone and natural disturbance type?	Question 15: Are surface and subsurface flows to the wetland intact?
Blackwater	WT-22-467	yes					yes
Blackwater	WT-22-209	yes					yes
Blackwater	WT-22-201	yes					yes
Blackwater	WT-22-570	yes	no	yes	yes	yes	yes
Blackwater	WT-22-003	no	yes	no	yes	no	yes
Blackwater	WT-22-236	yes					yes
Blackwater	WT-22-011	yes					yes
Blackwater	WT-22-652	yes					yes
Blackwater	WT-22-656	yes					yes
Blackwater	WT-22-353b	no	no	no			yes
Blackwater	WT-22-390a	yes					yes
Blackwater	WT-22-618a	yes					yes
Blackwater	WT-22-635	yes					yes
Blackwater	WT-22-391	yes					yes
Blackwater	WT-22-407	yes					yes
Blackwater	WT-22-517	no	no	no	no	no	yes
Blackwater	WT-22-523	no	no	no	N/A	no	yes
Blackwater	WT-22-518	yes					yes
Blackwater	WT-22-519	no	no	yes	N/A	no	yes
Blackwater	WT-22-436	yes					yes
Blackwater	WT-22-538c	yes	yes	yes	N/A	no	yes
Blackwater	WT-22-443	yes					yes
Blackwater	WT-22-559	yes					yes
Blackwater	WT-22-431	yes					yes
Blackwater	WT-22-671	yes					yes
Blackwater	WT-22-670	yes					yes
Blackwater	WT-22-510a	yes	yes			yes	no
Blackwater	WT-22-204	yes	yes	yes	N/A	no	yes
Blackwater	WT-22-191	no	no	no	N/A	no	yes
Blackwater	WT-22-190	no	no	no	no	no	yes
Blackwater	WT-22-423	yes					yes
Blackwater	WT-22-660	yes					yes
Blackwater	WT-22-422	yes					yes
Blackwater	WT-22-429	yes					yes
Blackwater	WT-22-333	yes					yes
Blackwater	WT-22-661	no	no			no	yes
Blackwater	WT-22-669	no	no				yes

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	Question 14: Is the riparian and upland habitat beside the wetland of adequate size and quality to mitigate impacts on critical activities (movements, feeding, breeding) by the area's desired wildlife (e.g., grizzly, ungulates, martin, raptors, woodpeckers, songbirds, waterfowl, reptiles, amphibians, etc.)?	a) Does 75% or more of the wetland have a riparian area around it that has not been modified by human activities, 30 m wide in the case of small wetlands (0-5 ha), or 50 m wide for large (> 5 ha) wetlands?	b)) Is 10% or less of the wetland's shoreline visible from any point on a road, pipeline or powerline within 300 m of small wetlands, or 500 m of large wetlands?	c) Do right-of-ways within 100 m of the wetland impinge on no more than 10% of the wetland's perimeter?	d) Is the percent cover of mature and old forest within 2 kilometers of the wetland perimeter greater than the minimal target for the area's respective bio-geoclimatic zone and natural disturbance type?	Question 15: Are surface and subsurface flows to the wetland intact?
Blackwater	WT-22-399	yes	no				yes
Blackwater	WT-22-202	yes					yes
Blackwater	WT-22-215	yes					yes
Blackwater	WT-22-195	yes					yes
Blackwater	WT-22-449	yes					yes
Blackwater	WT-22-023	yes					yes
Blackwater	WT-22-027	no	no	yes	N/A	no	yes
Blackwater	WT-22-036	no	no	no	N/A	no	yes
Blackwater	WT-22-042	no	no	no	N/A	no	yes
Blackwater	WT-22-069	yes				no	yes
Blackwater	WT-22-071	yes					yes
Blackwater	WT-22-268	no	no	no		no	yes
Blackwater	WT-22-055	yes					yes
Blackwater	WT-22-101	no	no	no	N/A	no	yes
Blackwater	WT-22-099	yes		no	N/A		yes
Blackwater	WT-22-284	yes	yes	yes	N/A	no	yes
Blackwater	WT-22-285	yes					yes
Blackwater	WT-22-161	no	no	yes	N/A	no	yes
Blackwater	WT-22-148	no	no	no	N/A	no	yes
Blackwater	WT-22-163	no	no	N/A	N/A	no	yes
Blackwater	WT-22-311	no	no	yes	N/A	no	no
Blackwater	WT-22-170	no	no	yes	N/A	no	no

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	a) Do all mapped and unmapped streams at roads and ROWs appear to be in their original water courses?	b) Is less than 25% of contributing basin intercepted by roads or ROWs	x	y
Blackwater	WT-22-673			-124.855897	53.18328557
Blackwater	WT-22-543			-124.8566153	53.18299509
Blackwater	WT-22-629			-124.8792249	53.18912114
Blackwater	WT-22-627			-124.8811078	53.18683712
Blackwater	WT-22-633			-124.881639	53.18812693
Blackwater	WT-22-569			-124.9099127	53.19893099
Blackwater	WT-22-545	N/A	N/A	-124.8903535	53.18227689
Blackwater	WT-22-623	N/A	N/A	-124.8781205	53.18013484
Blackwater	WT-22-624	no	no	-124.8772843	53.18066457
Blackwater	WT-22-455	no		-124.8779279	53.18041113
Blackwater	WT-22-621B	N/A	N/A	-124.8836074	53.18101263
Blackwater	WT-22-619	N/A	N/A	-124.8827942	53.18097405
Blackwater	WT-22-620	N/A	N/A	-124.8845753	53.1843707
Blackwater	WT-22-348	N/A	N/A	-124.8859866	53.18332601
Blackwater	WT-22-345			-124.8651864	53.17939248
Blackwater	WT-22-594			-124.8597249	53.17827634
Blackwater	WT-22-367	yes	no	-124.8544828	53.18014223
Blackwater	WT-22-590		no	-124.8484692	53.18096694
Blackwater	WT-22-627A	N/A	N/A	-124.8142645	53.23683419
Blackwater	WT-22-194	N/A	N/A	-124.8169036	53.23444416
Blackwater	WT-22-220	N/A	N/A	-124.8288243	53.22712044
Blackwater	WT-22-398	yes	N/A	-124.8349864	53.20741229
Blackwater	WT-22-424A	N/A	N/A	-124.8278955	53.20563986
Blackwater	WT-22-504			-124.9083901	53.19336134
Blackwater	WT-22-465	yes	yes	-124.8545396	53.21512102
Blackwater	WT-22-417	yes	yes	-124.8560969	53.21446452
Blackwater	WT-22-632	yes	yes	-124.8658387	53.20454243
Blackwater	WT-22-636	yes	yes	-124.8654055	53.2039011
Blackwater	WT-22-638	yes	yes	-124.8667533	53.20313854
Blackwater	WT-22-405	yes	yes	-124.8677801	53.20228198
Blackwater	WT-22-687	yes	yes	-124.8700886	53.20069826
Blackwater	WT-22-373	yes	yes	-124.8782135	53.2055876
Blackwater	WT-22-497	yes	yes	-124.8658506	53.19804044
Blackwater	WT-22-480	yes	yes	-124.8699794	53.22487891
Blackwater	WT-22-481	yes	yes	-124.8721402	53.22475243
Blackwater	WT-22-332	yes	yes	-124.8711104	53.22328358
Blackwater	WT-22-015	yes	yes	-124.7502219	53.31842822

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	a) Do all mapped and unmapped streams at roads and ROWs appear to be in their original water courses?	b) Is less than 25% of contributing basin intercepted by roads or ROWs	x	y
Blackwater	WT-22-467			-124.8224104	53.19551111
Blackwater	WT-22-209			-124.8204229	53.19721769
Blackwater	WT-22-201			-124.8181234	53.1949488
Blackwater	WT-22-570	yes	yes	-124.9125043	53.19899067
Blackwater	WT-22-003	yes	yes	-124.7604117	53.31540333
Blackwater	WT-22-236			-124.75789	53.31611167
Blackwater	WT-22-011			-124.7541017	53.31766491
Blackwater	WT-22-652			-124.8851576	53.1993791
Blackwater	WT-22-656			-124.8832903	53.19757925
Blackwater	WT-22-353b			-124.8933755	53.19790759
Blackwater	WT-22-390a			-124.9011885	53.18079075
Blackwater	WT-22-618a			-124.8980153	53.17905438
Blackwater	WT-22-635			-124.8770509	53.18656926
Blackwater	WT-22-391			-124.88889	53.17101059
Blackwater	WT-22-407			-124.8875265	53.19558646
Blackwater	WT-22-517			-124.8660987	53.22210354
Blackwater	WT-22-523	yes	yes	-124.8583229	53.22406622
Blackwater	WT-22-518			-124.8579768	53.22259248
Blackwater	WT-22-519	yes	yes	-124.8562359	53.22281134
Blackwater	WT-22-436			-124.8517499	53.22272852
Blackwater	WT-22-538c			-124.851456	53.21993214
Blackwater	WT-22-443			-124.8814267	53.21335333
Blackwater	WT-22-559			-124.8811183	53.214375
Blackwater	WT-22-431			-124.8581417	53.21744667
Blackwater	WT-22-671			-124.875368	53.22065717
Blackwater	WT-22-670			-124.8776127	53.2185256
Blackwater	WT-22-510a	no	yes	-124.8755867	53.22575322
Blackwater	WT-22-204	N/A	N/A	-124.8110508	53.24107114
Blackwater	WT-22-191	yes	yes	-124.8125191	53.24977382
Blackwater	WT-22-190	yes		-124.8142705	53.25182258
Blackwater	WT-22-423			-124.8403417	53.21571667
Blackwater	WT-22-660			-124.8394433	53.21549667
Blackwater	WT-22-422			-124.8432667	53.21500833
Blackwater	WT-22-429			-124.8429817	53.21762333
Blackwater	WT-22-333			-124.8451883	53.21062
Blackwater	WT-22-661			-124.84534	53.20754333
Blackwater	WT-22-669			-124.8500083	53.20236167

Table H-7: Wetland Baseline Data (2022) - Wetland Health Assessment

Project ID	Plot ID	a) Do all mapped and unmapped streams at roads and ROWs appear to be in their original water courses?	b) Is less than 25% of contributing basin intercepted by roads or ROWs	x	y
Blackwater	WT-22-399			-124.85179	53.202805
Blackwater	WT-22-202			-124.814859	53.20654122
Blackwater	WT-22-215			-124.8179655	53.20878682
Blackwater	WT-22-195			-124.8188505	53.20865558
Blackwater	WT-22-449			-124.846948	53.19527653
Blackwater	WT-22-023			-124.6492508	53.3447576
Blackwater	WT-22-027	yes	yes	-124.6544126	53.35713091
Blackwater	WT-22-036			-124.5613623	53.43094313
Blackwater	WT-22-042	yes	yes	-124.5320433	53.44203739
Blackwater	WT-22-069			-124.7169816	53.59600047
Blackwater	WT-22-071			-124.7124473	53.59436141
Blackwater	WT-22-268	yes	yes	-124.7819568	53.63480862
Blackwater	WT-22-055			-124.5838453	53.54182347
Blackwater	WT-22-101	yes	yes	-124.8400116	53.71878176
Blackwater	WT-22-099	yes	yes	-124.8374937	53.71517326
Blackwater	WT-22-284	N/A	N/A	-124.8506231	53.76436286
Blackwater	WT-22-285			-124.8522047	53.76937169
Blackwater	WT-22-161	yes	yes	-124.8449328	53.83719344
Blackwater	WT-22-148	yes	yes	-124.8125259	53.90778249
Blackwater	WT-22-163	yes	yes	-124.8617663	53.96884817
Blackwater	WT-22-311	yes	no	-124.9209042	54.00267511
Blackwater	WT-22-170	no	yes	-124.6078702	53.56507503

Table H-8: Wetland Baseline Data (2022) - Wildlife Incidental Observations

Object ID	Project ID	Date	Species Name	Species Common Name	Select the Classifcation Level	Genus Name	Notes	Latitude	Longitude
46	Blackwater	2022-07-07 19:33	*Anaxyrus boreas*	Western Toad	species		1 adult	53.11110341318724	-125.07024784057968
47	Blackwater	2022-07-07 22:13	*Anaxyrus boreas*	Western Toad	species		1 adult observed	53.1669706521716	-124.86434354405023
48	Blackwater	2022-07-06 20:14	*Anaxyrus boreas*	Western Toad	species			53.10705796820401	-125.08439705718781
49	Blackwater	2022-07-08 16:55	*Contopus cooperi*	Olive-sided Flycatcher	species			53.108708315178646	-125.09843337070839
50	Blackwater	2022-07-08 20:08	*Euphagus carolinus*	Rusty Blackbird	species		1 male. Likely breeding	53.11438409334814	-125.07869341335176
51	Blackwater	2022-07-08 20:10	*Tringa flavipes*	Lesser Yellowlegs	species		Observed near plot MC28 and 29 as well.	53.114395542901974	-125.07869543916762
52	Blackwater	2022-07-08 23:18			genus		Single red tailed hawk	53.18070924673447	-124.8783476991062
54	Blackwater	2022-07-10 2:58	*Anaxyrus boreas*	Western Toad	species		2 juvenile toads observed in fen	53.18581730127061	-124.92110544928838
55	Blackwater	2022-07-10 16:50	*Crossocalyx hellerianus*		species			53.17776611097431	-124.936032657693
56	Blackwater	2022-07-10 16:55	*Nucifraga columbiana*	Clark's Nutcracker	species			53.17800223156781	-124.93545839929713
57	Blackwater	2022-07-10 17:26			genus	Tayloria Species	ID unsure. Dung moss. Maybe 2 species	53.18222154978007	-124.92715766925826
58	Blackwater	2022-07-12 18:11	*Anaxyrus boreas*	Western Toad	species		1 adult in young pine stand	53.19521597795356	-124.81911221070703
59	Blackwater	2022-07-12 19:38			genus	Tetraplodon Species		53.19880575981882	-124.91316180739564
60	Blackwater	2022-07-13 17:30	*Riparia riparia*	Bank Swallow	species			53.786467510109965	-124.5911340024139
61	Blackwater	2022-07-27 21:31			genus	Splachnum Species		53.19647636460611	-124.89154994720425
62	Blackwater	2022-07-28 17:42	*Anaxyrus boreas*	Western Toad	species			53.22207730945207	-124.86615735783857
63	Blackwater	2022-07-28 18:15	*Anaxyrus boreas*	Western Toad	species		1 juvenile toad	53.22297726404962	-124.85699694380189
64	Blackwater	2022-07-28 21:10	*Anaxyrus boreas*	Western Toad	species		Tadpoles in pond. Excellent breeding habitat.	53.22051649287374	-124.85118539009775
65	Blackwater	2022-07-29 20:46	*Anaxyrus boreas*	Western Toad	species		tadpoles in open water	53.241595788947706	-124.81260567056046
68	Blackwater	2022-07-30 14:38	*Rangifer tarandus*	Caribou	species		Potential caribou scat in bog. See photos.	53.19327455950267	-124.8206940853268
69	Blackwater	2022-07-30 18:51	*Anaxyrus boreas*	Western Toad	species		1 adult in Ws07. High moose use in area	53.208268807104886	-124.81598130442845
70	Blackwater	2022-07-30 21:10	*Anaxyrus boreas*	Western Toad	species		1 adult on edge of water. Potential breeding site.	53.195511730948404	-124.84719395973111
72	Blackwater	2022-07-31 21:06	*Anaxyrus boreas*	Western Toad	species		1 adult	53.43621670311797	-124.54361551602994
73	Blackwater	2022-07-31 17:56	*Anaxyrus boreas*	Western Toad	species		Juvenile toad observed. Likely breeding pond.	53.35458435847737	-124.65539028511601
74	Blackwater	2022-07-31 16:14	*Contopus cooperi*	Olive-sided Flycatcher	species		Heard in old cut block along riparian area	53.359897490640506	-124.63864208210691
75	Blackwater	2022-08-01 19:05	*Anaxyrus boreas*	Western Toad	species		1 juvenile toad	53.594524023456394	-124.71471651412602
76	Blackwater	2022-08-04 23:02	*Anaxyrus boreas*	Western Toad	species		1 juvenile observed in edge of small swamp.	53.56504911067662	-124.60784153920135

Table H-8: Wetland Baseline Data (2022) - Wildlife Incidental Observations

Object ID	Project ID	Surveyor Name(s)	Location of Observation	Elevation	Accuracy	Species Category	BC Listing:	COSEWIC:	Other Species or Genus	Population Extent
46	Blackwater	Ryan Durand	Matthews Creek	1083.2521669464186	4.7352292793115405	animal_vertebrate	Yellow	Special Concern		
47	Blackwater	Ryan Durand	ESSF	1645.178087349981	4.7375478406945675	animal vertebrate	Yellow	Special Concern		
48	Blackwater	Ryan Durand	Matthews Creek	1079.4372624849727	5	animal vertebrate	Yellow	Special Concern		
49	Blackwater	Ryan Durand	Matthews Creek	1080.9600826529786	4.742075659908058	animal vertebrate	Blue	Special Concern		
50	Blackwater	Ryan Durand	Bog	1081.960002925247	4.7364751419661735	animal vertebrate	Blue	Special Concern		
51	Blackwater	Ryan Durand	Matthews Creek	1081.7207737006247	4.73594181071009	animal vertebrate	Yellow	Threatened		
52	Blackwater	Claudia Howrrs	H Road	1449.4244052050635	4.661693109773085	animal vertebrate				
54	Blackwater	Ryan Durand				animal vertebrate	Yellow	Special Concern		
55	Blackwater	Jamie Fenneman	Creek 15/16 Connector	1361.8185324957594	4.727701964864149	bryophyte	Blue	No Status		
56	Blackwater	Jamie Fenneman		1363.0394649300724	4.72746989734256	animal vertebrate	Yellow	No Status		
57	Blackwater	Jamie Fenneman		1358.2331375274807	4.7220843044657	bryophyte				
58	Blackwater	Ryan Durand		1275.7546418458223	4.722501423879745	animal vertebrate	Yellow	Special Concern		
59	Blackwater	Jamie Fenneman		1369.7069297423586	4.724718000437854	bryophyte				
60	Blackwater	Jamie Fenneman, Alice Lee	Lower Greer Creek fisheries			animal vertebrate	Yellow	Threatened		
61	Blackwater	Ryan Durand		1312.7199734319001	4.732252357024795	bryophyte				
62	Blackwater	Ryan Durand		1264.6952331038192	4.733554060913137	animal vertebrate	Yellow	Special Concern		
63	Blackwater	Ryan Durand		1251.217460570857	4.726736083592101	animal vertebrate	Yellow	Special Concern		
64	Blackwater	Ryan Durand	Pond	1225.219557533972	4.7374513339579885	animal vertebrate	Yellow	Special Concern		
65	Blackwater	Ryan Durand		1138.5555144986138	4.730028320151408	animal vertebrate	Yellow	Special Concern		
68	Blackwater	Ryan Durand		1280.3783836364746	3.5355339059327373	animal vertebrate	No Status	No Status		
69	Blackwater	Ryan Durand		1239.6006893888116	4.726573513947957	animal vertebrate	Yellow	Special Concern		
70	Blackwater	Ryan Durand		1344.5400157133117	4.735233899472632	animal vertebrate	Yellow	Special Concern		
72	Blackwater	Ryan Durand		1101.6549720913172	4.72841593280471	animal vertebrate	Yellow	Special Concern		
73	Blackwater	Ryan Durand		1089.7433919245377	4.728415854912442	animal vertebrate	Yellow	Special Concern		
74	Blackwater	Ryan Durand		1109.8381004333496	3.99973476425944	animal vertebrate	Blue	Special Concern		
75	Blackwater	Ryan Durand		940.6112897619605	4.735866028289069	animal vertebrate	Yellow	Special Concern		
76	Blackwater	Ryan Durand		1029.2526325238869	4.73342108397222	animal vertebrate	Yellow	Special Concern		

Table H-8: Wetland Baseline Data (2022) - Wildlife Incidental Observations

Object ID	Project ID	Evidence	Number Observed	Habitat
46	Blackwater	Observed	1	Marsh
47	Blackwater	Observed	1	Pond
48	Blackwater			
49	Blackwater	Heard	1	
50	Blackwater	Observed	1	
51	Blackwater	Observed	2	Bog
52	Blackwater	Photo	1	
54	Blackwater	Observed	2	
55	Blackwater			Rotten conifer log
56	Blackwater	Heard		
57	Blackwater			
58	Blackwater	Observed	1	
59	Blackwater			
60	Blackwater	Numerous nest holes evident in large silty cliff next to Greer Creek. Birds flying in and out of holes, and foraging over riparian areas.		Riparian silt cliff
61	Blackwater			
62	Blackwater		1	Wf01
63	Blackwater		1	
64	Blackwater	Observed	100	Pond
65	Blackwater			Ww
68	Blackwater	Scat		Bog
69	Blackwater		1	
70	Blackwater		1	
72	Blackwater			
73	Blackwater		1	Old beaver pond
74	Blackwater	Heard	1	
75	Blackwater		1	Swamp
76	Blackwater		1	Ws07

Table H-8: Wetland Baseline Data (2022) - Wildlife Incidental Observations

Object ID	Project ID	Habitat Condition	Did you collect a specimen?	Collection ID	Collection Notes	UTM Easting	UTM Northing	UTM Zone
46	Blackwater	Good	no			361430	5886632	
47	Blackwater		no			375372	5892468	
48	Blackwater		no			360470	5886210	
49	Blackwater		no			359536	5886421	
50	Blackwater		no			360875	5887013	
51	Blackwater		no			360875	5887015	
52	Blackwater		no			374476	5894020	
54	Blackwater		no			371634	5894664	
55	Blackwater		yes		Sample collected. On edge of UTV trail.	370613	5893796	
56	Blackwater		no			370652	5893821	
57	Blackwater		yes			371219	5894275	
58	Blackwater		no			378475	5895531	
59	Blackwater		yes			372204	5896095	
60	Blackwater	Good. Subject to natural erosion from river channel dynamics	no			395172	5960938	
61	Blackwater		yes			373640	5895797	
62	Blackwater		no			375411	5898600	
63	Blackwater		no			376025	5898684	
64	Blackwater		no			376406	5898401	
65	Blackwater		no			379041	5900679	
68	Blackwater		no			378364	5895318	
69	Blackwater		no			378721	5896978	
70	Blackwater		no			376600	5895612	
72	Blackwater		no			397458	5921907	
73	Blackwater		no			389822	5912993	
74	Blackwater		no			390951	5913558	
75	Blackwater		no			386516	5939776	
76	Blackwater		no			393515	5936332	

Table H-8: Wetland Baseline Data (2022) - Wildlife Incidental Observations

Object ID	Project ID	Global ID	Creation Date	Creator	Edit Date	Editor
46	Blackwater	{F9B18522-895F-4772-8F7A-DE5A11F76210}	8-Jul-22	EcoLogic_Consultants	8-Jul-22	EcoLogic_Consultants
47	Blackwater	{1473D044-86BD-4DD0-984F-290D2D5864A4}	8-Jul-22	EcoLogic_Consultants	8-Jul-22	EcoLogic_Consultants
48	Blackwater	{791F327B-9E23-461A-8977-9D27C2AC6942}	8-Jul-22	EcoLogic_Consultants	8-Jul-22	EcoLogic_Consultants
49	Blackwater	{FB46AB1F-A600-49AA-BD98-184B80F52B3B}	8-Jul-22	EcoLogic_Consultants	8-Jul-22	EcoLogic_Consultants
50	Blackwater	{4548F4C3-A4CE-42D8-A8EA-3C9C44648787}	8-Jul-22	EcoLogic_Consultants	8-Jul-22	EcoLogic_Consultants
51	Blackwater	{70AA85FF-FCB1-4447-BE3E-742F85B11E62}	8-Jul-22	EcoLogic_Consultants	8-Jul-22	EcoLogic_Consultants
52	Blackwater	{CD5D3516-3572-4217-9598-CAC975CE357E}	9-Jul-22	EcoLogic_Consultants	9-Jul-22	EcoLogic_Consultants
54	Blackwater	{CBB36974-C5DD-425A-8E95-42D43060004B}	10-Jul-22	EcoLogic_Consultants	10-Jul-22	EcoLogic_Consultants
55	Blackwater	{EBA4012B-A42B-4FCF-A520-E83D2681C726}	11-Jul-22	EcoLogic_Consultants	11-Jul-22	EcoLogic_Consultants
56	Blackwater	{741582B6-DA74-40E9-B673-F054F7F677D2}	11-Jul-22	EcoLogic_Consultants	11-Jul-22	EcoLogic_Consultants
57	Blackwater	{08609863-F5CE-4611-891D-C8EA7953E7C5}	11-Jul-22	EcoLogic_Consultants	11-Jul-22	EcoLogic_Consultants
58	Blackwater	{C029D620-3901-46CF-934D-2D2F8C6E0EF0}	13-Jul-22	EcoLogic_Consultants	13-Jul-22	EcoLogic_Consultants
59	Blackwater	{9F200B84-FFBE-4E35-A031-A87F3F6BD7A2}	13-Jul-22	EcoLogic_Consultants	13-Jul-22	EcoLogic_Consultants
60	Blackwater	{F30FE506-92FD-4143-9EF7-B86750359063}	13-Jul-22	EcoLogic_Consultants	13-Jul-22	EcoLogic_Consultants
61	Blackwater	{EB2CF460-93AC-49EF-AA6E-29B6C0907FBC}	28-Jul-22	EcoLogic_Consultants	28-Jul-22	EcoLogic_Consultants
62	Blackwater	{2C329CB9-9E3E-457A-AB44-5FA66FA42B57}	28-Jul-22	EcoLogic_Consultants	28-Jul-22	EcoLogic_Consultants
63	Blackwater	{26B2748E-5132-4E8D-8353-B68105B49F4F}	28-Jul-22	EcoLogic_Consultants	28-Jul-22	EcoLogic_Consultants
64	Blackwater	{706C40C7-1CFF-4CF6-9993-D94C22CAB9B8}	28-Jul-22	EcoLogic_Consultants	28-Jul-22	EcoLogic_Consultants
65	Blackwater	{627255BF-C5D2-4DFA-9AAC-DDFE7F908B64}	30-Jul-22	EcoLogic_Consultants	30-Jul-22	EcoLogic_Consultants
68	Blackwater	{A0FE7DD8-4D22-4DD6-BA44-C657511354C8}	31-Jul-22	EcoLogic_Consultants	31-Jul-22	EcoLogic_Consultants
69	Blackwater	{C113C216-70C5-44CB-9EDB-6952DBFD8B71}	31-Jul-22	EcoLogic_Consultants	31-Jul-22	EcoLogic_Consultants
70	Blackwater	{7DB28366-A662-487E-8096-EF47B134846D}	31-Jul-22	EcoLogic_Consultants	31-Jul-22	EcoLogic_Consultants
72	Blackwater	{5A73D167-9D38-4E49-89EE-1EFFF2169474}	1-Aug-22	EcoLogic_Consultants	1-Aug-22	EcoLogic_Consultants
73	Blackwater	{104B8F56-990E-477C-A4AD-7422845EEBDF}	1-Aug-22	EcoLogic_Consultants	1-Aug-22	EcoLogic_Consultants
74	Blackwater	{55D868FD-90F3-4984-A8B8-FBB1E116EE8D}	1-Aug-22	EcoLogic_Consultants	1-Aug-22	EcoLogic_Consultants
75	Blackwater	{BD07D435-446B-4FEC-A621-27289A2BFB8B}	2-Aug-22	EcoLogic_Consultants	2-Aug-22	EcoLogic_Consultants
76	Blackwater	{16BF3D22-07F8-4EF0-B9CB-B4144E4DAA13}	5-Aug-22	EcoLogic_Consultants	5-Aug-22	EcoLogic_Consultants

APPENDIX I ECOLOGIC LISTED WETLANDS 2022

ECOLOGIC CONSULTANTS LTD.
224 – 998 HARBOURSIDE DRIVE
NORTH VANCOUVER BC V7P 3T2
PHONE: 604 803-7146

MEMORANDUM

DATE:	August 18, 2022
TO:	Travis Desormeaux, Permitting and Environmental Responsibility Manager, BW Gold Ltd.
FROM:	Ryan Durand, MSc., R.P.Bio., Danielle Mai, B.Sc., R.P.Bio.
SUBJECT:	Blackwater Gold Project Listed Wetlands

INTRODUCTION

BW Gold ltd. has been issued a federal Decision Statement (DS) in 2019 by the Canadian Environmental Assessment Agency (CEAA) (now the Impact Assessment Agency of Canada - IAAC). BW Gold ltd. has also been issued an Environmental Assessment Certificate (EAC) (#M19-01) by the BC Environmental Assessment office (BC EAO) in 2019. Both the DS and EAC have requirements related to wetlands mapping and, management and offsetting. Specifically, the DS includes Condition 5.5.1 which requires the following:

> *conduct pre-construction surveys within the mine site to confirm the absence of red or blue-listed wetlands. The Proponent shall provide the results of the survey to the Agency and to Indigenous groups prior to the start of construction. If the results of the survey demonstrate the presence of red or blue-listed wetlands within the mine site, the Proponent shall develop, prior to construction, and implement additional mitigation measures;*

This memo provides the results of the pre-construction Mine Site red- and blue-listed wetland surveys as required by Condition 5.5.1, conducted by EcoLogic in July 2022.

METHODS

Wetlands were assessed using the standard methodology from the Field Manual for Describing Terrestrial Ecosystems (BC MOF and MOE 2010) and classified according to the Wetlands of British Columbia (Mackenzie and Moran, 2004). Additional data collected included water quality, ecosystem function assessments, and a condition assessment following the Protocol for Evaluating the Health of Wetlands (Fletcher et al, 2021).

OBSERVATIONS

Twenty-four wetland site associations across four BEC zones were observed within the Mine Site during the surveys (Table 1). No red-listed wetland site associations were observed within the Mine Site. However, several blue-listed wetland site associations were observed (Table 1, Figure 1). None of these blue-listed site associations are associated with the wetland adjacent the plant site clearing area put forward in the March 2022 submission of the interim Wetlands Management and Offsetting Plan (WMOP - EAC Condition 24) to EAO. Consequently, this survey report does not include proposed additional mitigation measures. The planned WMOP update in Q4 2022 will include any additional mitigations measures as required and at the discretion of the WMOP-qualified professional; a revised version of this memo will also be updated to include any additional mitigation.

REFERENCES

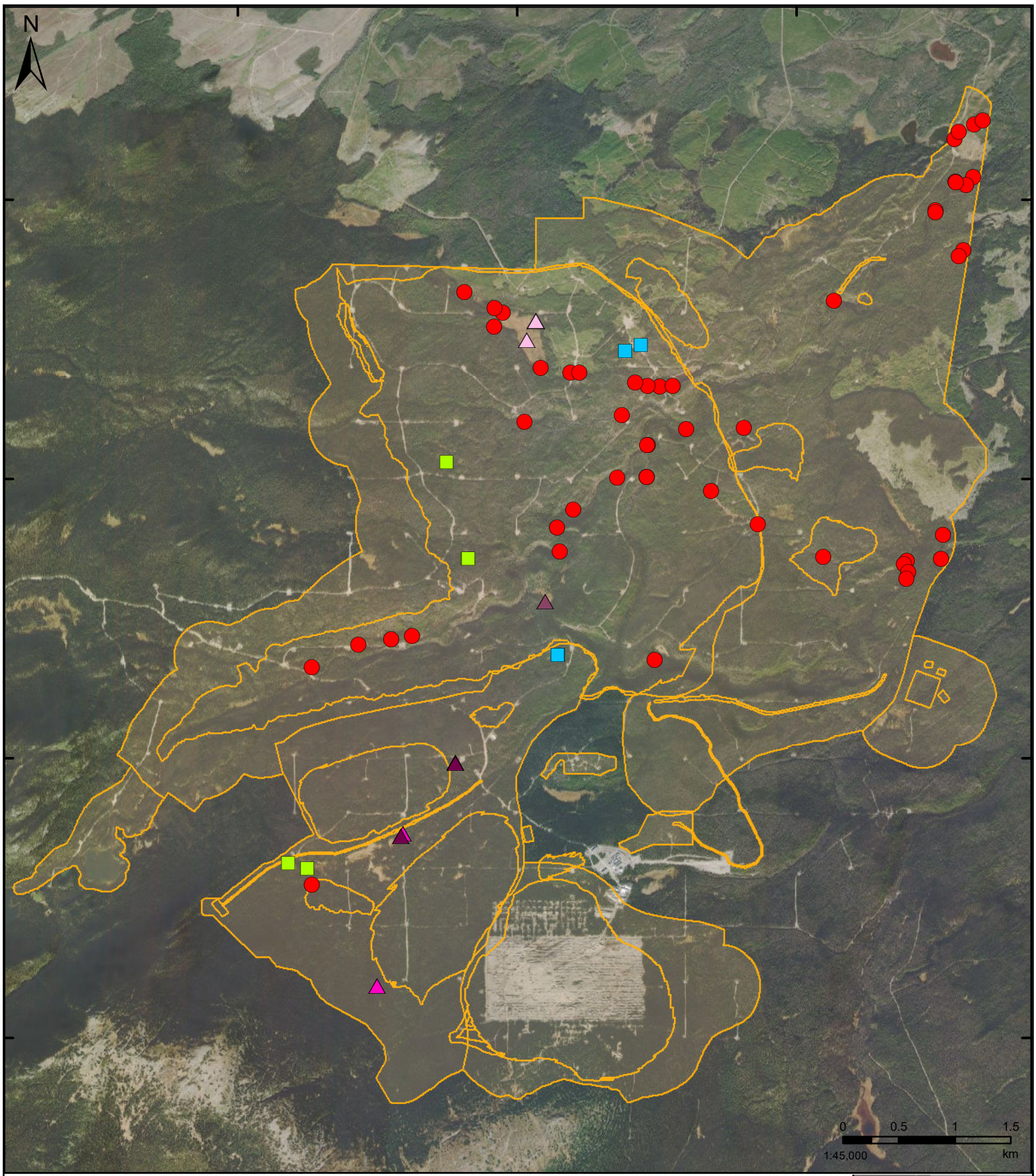
BC Ministry of Forests and Range and BC Ministry of Environment. 2010. Field manual for describing terrestrial ecosystems, 2nd ed. Victoria, BC. Land Manage. Handb. No. 25.

Fletcher, N.F., Tripp, D.B., Hansen, P.L., Nordin, L.J., Porter, M., and Morgan, D. 2021. Protocol for the Wetland Health Management Routine Effectiveness Evaluation. Forest and Range Evaluation Program, B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development, Victoria, B.C.

MacKenzie, W.H. and J.R. Moran. 2004. Wetlands of British Columbia: a guide to identification. Res. Br., B.C. Min. For., Victoria, B.C. Land Manage. Handb. No. 52.

TABLE 1 WETLAND SITE ASSOCIATIONS BY BEC ZONE FOUND WITHIN THE MINE SITE.

BEC Zone	Wetland site associations	Red/Blue Status
ESSFmv1	Sc03	None
	Wb05	None
	Wb08	None
	Wb10	Blue
	Wb13	Blue
	Wf01	None
	Wf02	None
	Wf03	None
	Wf04	None
	Wf11	Blue
	Wf13	Blue
	Wm00	None
	Wm01	None
	Ws07	Blue
	Ws08	None
	Ww	None
ESSFmvp	PD	None
SBSdk	Wf01	None
	Ws04	None
SBSmc3	Fl05	Blue
	Wb05	None
	Wb08	None
	Wf00	None
	Wf01	None
	Wf02	None
	Wf07	None
	Wf08	Blue
	Wm01	None
	Ws00	None
	Ws04	None
	Ws07	Blue



Blackwater Project

Listed Wetlands within the Mine Site

Figure 1

Date: 8/18/2022

Map Number: BLW-008

Coordinate System: NAD 1983 UTM Zone 10N

Projection: Transverse Mercator

Datum: North American 1983

ECOLOGIC environmental consulting

Mine Footprint

Listed Wetland

- Wb10
- Wb13
- Wf08
- Wf11
- Wf13
- Ws07

APPENDIX J WETLANDS FUNCTION RUBRIC AND FUNCTION CALCULATION SPREADSHEET (SCORE CARD)

APPENDIX J: WETLANDS FUNCTION RUBRIC AND FUNCTION CALCULATION SPREADSHEET (SCORE CARD)

Table J-1: Wetland Function Accounting Framework, Blackwater Mine – Wetlands Management and Offsetting Plan

Wetland Function	#	Value	Field Data	Sampling Methodology	Field Data Source (Appendix **H**	Field Name	Bog+5 (Wb)	Fen (Wf)	Marsh (Wm)	Swamp (Ws)	Shallow Open Water (SOW)
Hydrological Function	1	Water flow moderation (flood protection)[a]	Hydrogeomorphic (HGM) classification	Mackenzie and Moran (2004); page 41	Plots (Table H-1)	wa_hgm	Low (1)	Moderate (2)	Low (1) - Palustrine seepage slopes HGM. Moderate (2) - Palustrine hollows and basins HGM; Fluvial HGM; Lacustrine HGM. High (3) - Potholes HGM.	Low (1) - Palustrine seepage slopes HGM. Moderate (2) - Palustrine hollows and basins HGM; Fluvial HGM; Lacustrine HGM. High (3) - Potholes HGM.	Low (1) - Palustrine seepage slopes HGM. Moderate (2) - Palustrine hollows and basins HGM; Fluvial HGM; Lacustrine HGM. High (3) - Potholes HGM.
	2	Ground-water recharge[a]	Hydrodynamic index (HDI)	Mackenzie and Moran (2004); page 44	Plots (Table H-1)	wa_hdi	Low (1)	Low (1) - HDI 1. High (3) - HDI 2.	Low (1) - HDI 4 or 5. High (3) - HDI 2 or 3.	Low (1) - HDI 4 or 5 or SNR 2. High (3) - HDI 3.	Low (1) - Flat morphology, organic substrate that limits vertical flow (e.g., Om, Oh). Moderate (2) - Basin-like or flat morphology, mineral or organic substrate. High (3) - Basin-like morphology, mineral or least decomposed organic substrate (e.g., Of, Om).
			Soil nutrient regime (SNR)	BC MOF and BC MOE (2010); Table 1.2	Plots (Table H-1)	wa_snr					
			Surface shape	BC MOF and BC MOE (2010); #32. Surface Shape	Plots (Table H-1)	surface_sh					
			Mesoslope position	BC MOF and BC MOE (2010); #31 Mesoslope Position	Plots (Table H-1)	meso_slope					
	3	Erosion protection[a]	Hydrogeomorphic (HGM) classification	Mackenzie and Moran (2004); page 41	Plots (Table H-1)	wa_hgm	Low (1)	Low (1) - Fluvial HGM. Moderate (2) - Lacustrine HGM. High (3) - Palustrine HGM, HDI 1 or 2.	Low (1) - Fluvial HGM. Moderate (2) - Lacustrine HGM. High (3) - Palustrine HGM, HDI 1 or 2.	Low (1) - Fluvial HGM. Moderate (2) - Lacustrine HGM. High (3) - Palustrine HGM, HDI 1 or 2.	Low (1) - Fluvial HGM. Moderate (2) - Lacustrine HGM. High (3) - Palustrine HGM, HDI 1 or 2.
			Hydrodynamic Index (HDI)	Mackenzie and Moran (2004); page 44	Plots (Table H-1)	wa_hdi					
Biochemical Function	4	Water quality treatment[a]	Hydrogeomorphic (HGM) classification	Mackenzie and Moran (2004); page 41	Plots (Table H-1)	wa_hgm	Low (1)	Low (1) - Palustrine hollows and basins HGM; Palustrine seepage slopes HGM. Moderate (2) - Palustrine potholes HGM; Fluvial	Low (1) - Palustrine hollows and basins HGM; Palustrine seepage slopes HGM. Moderate (2) - Palustrine potholes HGM; Fluvial HGM; Lacustrine HGM.	Low (1) - Palustrine hollows and basins HGM; Palustrine seepage slopes HGM. Moderate (2) - Palustrine potholes HGM; Fluvial HGM; Lacustrine HGM.	Low (1) - Palustrine hollows and basins HGM; Palustrine seepage slopes HGM. Moderate (2) - Palustrine potholes HGM; Fluvial HGM; Lacustrine HGM.
	5	Carbon storage (peat)[a]	Soil order	BC MOF and BC MOE (2010); Appendix 2.1, Section 9.17 Key to soil Orders	Plots (Table H-1)	soil_order	Low (1) - Oh dominates control section, no mineral soil. Moderate (2) - Om dominates control section, Om or Oh surface horizons over mineral. High (3) - Of dominates control section, Of or Om surface horizons over mineral.	Low (1) - Oh dominates control section, no mineral soil. Moderate (2) - Om dominates control section, Om or Oh surface horizons over mineral. High (3) - Of dominates control section, Of or Om surface horizons over mineral.	Moderate (2)	Low (1) - Oh dominates control section, no mineral soil. Moderate (2) - Om dominates control section, Om or Oh surface horizons over mineral. High (3) - Of dominates control section, Of or Om surface horizons over mineral.	Low (1)
			Great group	BC MOF and BC MOE (2010); Appendix 2.1, Section 9.18 Key to soil Great Groups and Subgroups	Plots (Table H-1)	greatgroup					
			Surface horizon	BC MOF and BC MOE (2010); Sections 16 and 24	Plots (Table H-1)	Horizon					
	6	Nutrient and organic export[a]	Hydrogeomorphic (HGM) classification	Mackenzie and Moran (2004); page 41	Plots (Table H-1)	wa_hgm	Low (1)	Low (1) - Palustrine hollows and basins HGM, HDI 1 or 2. Moderate (2) - Palustrine potholes or seepage slope HGM, SNR 3 to 5, HDI 3 to 4.	Low (1) - Palustrine hollows and basins HGM, HDI 1 or 2. Moderate (2) - Palustrine potholes or seepage slope HGM, SNR 3 to 5, HDI 3 to 4. High (3) - Fluvial or lacustrine HGM, SNR 3 to 5, HDI 4-5.	Low (1) - Palustrine hollows and basins HGM, HDI 1 or 2. Moderate (2) - Palustrine potholes or seepage slope HGM, SNR 3 to 5, HDI 3 to 4. High (3) - Fluvial or lacustrine HGM, SNR 3 to 5, HDI 4-5.	Low (1) - Palustrine hollows and basins HGM, HDI 1 or 2. Moderate (2) - Palustrine potholes or seepage slope HGM, SNR 3 to 5, HDI 3 to 4. High (3) - Fluvial or lacustrine HGM, SNR 3 to 5, HDI 4-5.
			Hydrodynamic index (HDI)	Mackenzie and Moran (2004); page 44	Plots (Table H-1)	wa_hdi					
			Soil nutrient regime (SNR)	BC MOF and BC MOE (2010); Table 1.2	Plots (Table H-1)	wa_snr					

APPENDIX J: WETLANDS FUNCTION RUBRIC AND FUNCTION CALCULATION SPREADSHEET (SCORE CARD)

Table J-1: Wetland Function Accounting Framework, Blackwater Mine – Wetlands Management and Offsetting Plan

Wetland Function	#	Value	Field Data	Sampling Methodology	Field Data Source (Appendix **H**)	Field Name	Bog+5 (Wb)	Fen (Wf)	Marsh (Wm)	Swamp (Ws)	Shallow Open Water (SOW)
Habitat Function (wildlife)	7	Species of value[a]	Automatic score of High (3)*	N/A	N/A	N/A	Low (1) - No expected species of value to stakeholders. High (3) - Expected species of value to stakeholders.	Low (1) - No expected species of value to stakeholders. High (3) - Expected species of value to stakeholders.	Low (1) - No expected species of value to stakeholders. High (3) - Expected species of value to stakeholders.	Low (1) - No expected species of value to stakeholders. High (3) - Expected species of value to stakeholders.	Low (1) - No expected species of value to stakeholders. High (3) - Expected species of value to stakeholders.
	8	Wildlife use[a]	Automatic score of High (3)*	Incidental observation of wildlife use	Incidental wildlife observation (Table H-8)	Species.Common.Name	Low (1) - No evidence of use. High (3) - Evidence of use.	Low (1) - No evidence of use. High (3) - Evidence of use.	Low (1) - No evidence of use. High (3) - Evidence of use.	Low (1) - No evidence of use. High (3) - Evidence of use.	Low (1) - No evidence of use. High (3) - Evidence of use.
	9	Habitat for wildlife species at risk[a]	Automatic score of High (3)*	N/A	N/A	N/A	Low (1) - No listed species expected to occur. High (3) - Listed species expected to occur.	Low (1) - No listed species expected to occur. High (3) - Listed species expected to occur.	Low (1) - No listed species expected to occur. High (3) - Listed species expected to occur.	Low (1) - No listed species expected to occur. High (3) - Listed species expected to occur.	Low (1) - No listed species expected to occur. High (3) - Listed species expected to occur.
Ecosystem Function (plants)	10	Habitat for ecosystems at risk	Wetland community classification (Red-listed or Blue-listed)	MacKenzie and Moran (2004); listed ecosystems defined by BC CDC (2012)	Plots (Table H-1)	wa_site_se	Low (1) - Not a listed ecosystem. High (3) - Is a listed ecosystem.	Low (1) - Not a listed ecosystem. High (3) - Is a listed ecosystem.	Low (1) - Not a listed ecosystem. High (3) - Is a listed ecosystem.	Low (1) - Not a listed ecosystem. High (3) - Is a listed ecosystem.	Low (1) - Not a listed ecosystem. High (3) - Is a listed ecosystem.
	11	Ecosystem quality[b]	Wetland Health Assessment	BC MOF and BC MOE (2010); Fletcher et al. (2021); BCWF and FLNRORD (2022)	Wetland Health Assessment (Table H-7)	crit11.field = `Number of 'No' Answers:`	Not functioning (1) - 5+ wetland function values are impaired. High risk (2) - 3-4 wetland function values are impaired. At risk (3) - 1-2 wetland function values are impaired. Functioning (4) - 0 wetland function values are impaired.	Not functioning (1) - 5+ wetland function values are impaired. High risk (2) - 3-4 wetland function values are impaired. At risk (3) - 1-2 wetland function values are impaired. Functioning (4) - 0 wetland function values are impaired.	Not functioning (1) - 5+ wetland function values are impaired. High risk (2) - 3-4 wetland function values are impaired. At risk (3) - 1-2 wetland function values are impaired. Functioning (4) - 0 wetland function values are impaired.	Not functioning (1) - 5+ wetland function values are impaired. High risk (2) - 3-4 wetland function values are impaired. At risk (3) - 1-2 wetland function values are impaired. Functioning (4) - 0 wetland function values are impaired.	Not functioning (1) - 5+ wetland function values are impaired. High risk (2) - 3-4 wetland function values are impaired. At risk (3) - 1-2 wetland function values are impaired. Functioning (4) - 0 wetland function values are impaired.
			Vegetation cover		Plots (Table H-1)	"tree_A1_co", "tree_A2_co", "tree_A3_co", "shrub_B1_c", "shrub_B2_c", "herb_C_cov", "moss_D_cov"					
			Exotic species occurrence/cover		Vegetation (Table H-2)	Species Name; BC Listing					
			Indicator species cover		Vegetation (Table H-2)	Species Name; BC Listing					
			Proximity to disturbance		Disturbance polygons	N/A					
			Coarse woody debris composition		Coarse Woody Debris (Table H-6)	N/A					
	12	Ecosystem connectivity	Spatial data for wetland polygons (boundaries	N/A	Wetland polygons	N/A	Low (1) - Not connected. High (3) - Connected wetland complex.	Low (1) - Not connected. High (3) - Connected wetland complex.	Low (1) - Not connected. High (3) - Connected wetland complex.	Low (1) - Not connected. High (3) - Connected wetland complex.	Low (1) - Not connected. High (3) - Connected wetland complex.
Range in Scores:							Wb+5: 17-32	Wf: 13-34	Wm: 13-35	Ws: 12-36	SOW: 12-34

Notes:

HGM = Hydrogeomorphic Position
Fluvial
Lacustrine
Palustrine, Basins and Hollows
Palustrine, Ponds and Potholes
Palustrine, Seepage slopes
HDI = Hydrodynamic Index
Stagnant = 1
Sluggish = 2
Mobile = 3
Dynamic = 4
Very Dynamic = 5
SNR = Soil Nutrient Regime
Very Poor (A) = 1
Poor (B) = 2
Medium (C) = 3
Rich (D) = 4
Very Rich (E) = 5

Soil Organic Horizons
Of = Fibric organic soil horizon
Oh = Humic organic soil horizon
Om = Mesic organic soil horizon
* In 2022 baseline surveys an automatic score of High (3) was assumed to be conservative with losses and gains
Function Values References
[a] Wetland Ecological Functions Assessment: An Overview of Approaches (Hanson et al. 2008)
[b] Protocol for the
Methodology References
British Columbia Conservation Data Centre (BC CDC; current to 2024)
Field Manual for Describing Terrestrial Ecosystems (BC MOF and BC MOE 2010)
Protocol for Evaluating the Health of Wetlands (Fletcher et al. 2021)
Wetland Management Routine Effectiveness Evaluation - Technical Guidance Document for Evaluating the Health of Wetlands (BCWF and MFLNRORD 2022)
Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004)

APPENDIX J: WETLANDS FUNCTION RUBRIC AND FUNCTION CALCULATION SPREADSHEET (SCORE CARD)

Table J-2: Individual Wetland Function – Plot No. WT-22-227A, Blackwater Mine – Wetlands Management and Offsetting Plan

Site: Mine Site
Plot ID: WT-22-227A
Plot Type: Full Evaluation
Wetland Class: Swamp
Site Association: Ws07

Wetland Function	Value	Swamp	Field Data	Function
Hydrological Function	Water flow moderation[a]	Low (1) - Seepage slopes HGM, low in watershed, down gradient of disturbed areas. Moderate (2) - Hollows and basins, fluvial and lacustrine HGM, mid-elevation in the watershed. High (3) - Potholes HGM, high in the watershed, upgradient of disturbed areas.	HGM: Fluvial	2
	Groundwater recharge[a]	Low (1) - HDI 4 or 5 or SNR 2. High (3) - HDI 3.	HDI: Very Dynamic (5) SNR: Very Rich (5)	1
	Erosion protection[a]	Low (1) - Fluvial HGM, disturbed. Moderate (2) - Lacustrine HGM, some disturbance influence. High (3) - Palustrine HGM, HDI 1 or 2.	HGM: Fluvial	1
Biochemical Function	Water quality treatment[a]	Low (1) - Palustrine hollows and basins, seepage slopes HGM. Moderate (2) - Palustrine potholes, lacustrine and fluvial HGM. High (3) - Within a watershed with active water licences	HGM: Fluvial Active water license: No Data	2
	Carbon storage[a]	Low (1) - Oh dominates control section, or Oh surface horizon over mineral. Moderate (2) - Om dominates control section, Om or Oh surface horizons over mineral. High (3) - Of dominates control section (40-120 cm), or combined surface and middle tiers Of is dominant, no mineral soil.	Soil order: Brunisol Control section: Mineral Organic surface horizon: none	1
	Nutrient and organic export[a]	Low (1) - Hollows and basins HGM, HDI 1 or 2. Moderate (2) - Potholes or seepage slope HGM, SNR 3 to 5, HDI 3 to 4. High (3) - Fluvial or lacustrine HGM, SNR 3 to 5, HDI 4-5.	HGM: Fluvial HDI: Very Dynamic (5) SNR: Very Rich (5)	3
Habitat Function (wildlife)	Species of value[a]	Low (1) - No expected species of value to stakeholders. High (3) - Expected species of value to stakeholders.	Automatic score of 3	3
	Wildlife use[a]	Low (1) - No evidence of use. High (3) - Evidence of use.	No incidental observations recorded	1
	Habitat for wildlife species at risk[a]	Low (1) - No listed species expected to occur. High (3) - Listed species expected to occur.	Automatic score of 3	3

APPENDIX J: WETLANDS FUNCTION RUBRIC AND FUNCTION CALCULATION SPREADSHEET (SCORE CARD)

Table J-2: Individual Wetland Function – Plot No. WT-22-227A, Blackwater Mine – Wetlands Management and Offsetting Plan

Wetland Function	Value	Swamp	Field Data	Function
Ecosystem Function (plants)	Habitat for ecosystems at risk	Low (1) - Not a listed ecosystem. High (3) - Is a listed ecosystem.	Site Association: Ws07 Blue-Listed: Yes	3
	Ecosystem quality[b]	Not functioning (1) - > 7 wetland function values are impaired. High risk (2) - 5-6 wetland function values are impaired. At risk (3) - 3-4 wetland function values are impaired. Functioning (4) - 0-2 wetland function values are impaired.	Assessed as part of wetland health assessment: No If no, see criteria below. Veg cover greater than 85%: Yes Invasive species present: No Invasive species cover >5%: No Indicator species present: Yes Within 20m of disturbance: No Total number of imparied function values: 0	4
	Ecosystem connectivity	Low (1) - Not connected. Moderate (2) - Connected or wetland complex. High (3) - Connected wetland complex.	Part of wetland complex: Yes	3
Ttotal Function Score				27

Notes:
NSS = Non site-specific wetland function value from Hanson et al. (2008) - Wetlands Ecological Functions Assessment: An Overview of Approaches
HGM = Hydrogeomorphic Position
- Fluvial
- Lacustrine
- Palustrine, Basins and Hollows
- Palustrine, Ponds and Potholes
- Palustrine, Seepage slopes

HDI = Hydrodynamic Index
- Stagnant = 1
- Sluggish = 2
- Mobile = 3
- Dynamic = 4
- Very Dynamic = 5

SNR = Soil Nutrient Regime
- Very Poor (A) = 1
- Poor (B) = 2
- Medium (C) = 3
- Rich (D) = 4
- Very Rich (E) = 5

Soil Organic Horizons
- Of = Fibric organic soil horizon
- Oh = Humic organic soil horizon
- Om = Mesic organic soil horizon

Function Values References
[a] Wetland Ecological Functions Assessment: An Overview of Approaches (Hanson et al. 2008).
[b] Protocol for the Wetland Health Management Routine Effectiveness Evaluation (Fletcher et al. 2021); Technical Guidance Document for Evaluating the Health

Methodology References
British Columbia Conservation Data Centre
Field Manual for Describing Terrestrial Ecosystems (BC MOF and BC MOE 2010)
Protocol for Evaluating the Health of Wetlands (Fletcher et al. 2021)
Wetland Management Routine Effectiveness Evaluation - Technical Guidance Document for Evaluating the Health of Wetlands (BCWF and MFLNRORD 2022)
Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004)

From:	Travis Desormeaux
To:	Ryan Todd; James Witzke - Artemis Gold Inc.; Ryan Durand; Daniel McAllister; Greg Sharam; Kris Hallinger; Wade Brunham; Laurie Vaughan; Nadine Charleyboy; Neil Gauthreau; mikayla@keefereco.com; Emma Cooke; Mike Keefer; Steve Ross; Nicole Bishop; Nathan Braun; Andrea St-Pierre; ERM Canada Blackwater Gold; McColl, Duncan FLNR:EX; Janes, Tracey EAO:EX; van Proosdij, Ward EAO:EX; Rainey, Erin ENV:EX; Wittig, Gregory EAO:EX; Canham,Rachel (ECCC); Gallagher,Tasha (ECCC); Rina Freed; Georgina Farah; Pauline Mengote; "Kasandra"; referrals@nadleh.ca; referrals; naturalresources@nazkoband.ca; Tai Krahn; GIS; nwheele@nadleh.ca; patrick.littlejohn@seamining.ca; Farzad Mohamm; Harrison,Lucy (ECCC); Burns,Lynne (ECCC); Claudette Gouger; Brenley Yuan; Jesse Nicholas; helga@tsilhqotin.ca; Kieran Broderick (kieranb2@telus.net); ecdev@mnbc.ca; jtwigg@mnbc.ca; harsha@vardanenergy.com; erin@millertiterle.com; chief@STFN.ca; councillor2@stfn.ca; Tai Krahn; tyson@millertiterle.com; mining@nazkoband.ca
Subject:	RE: BW Gold - Meeting #2 Wetlands Management and Offsetting Plan Update
Date:	Thursday, October 20, 2022 9:43:01 AM
Attachments:	image001.png BW Gold_Wetlands Offsetting Plan meeting 2_Oct 20.pdf Wetland Function Offsets Accounting - Field Rubric_09092022.xlsx

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Folks,

Please see attached presentation that will guide our discussions today as well as the rubric used to quantify a function unit rate for each wetland.

Warm Regards,
td

Travis Desormeaux | Permitting & Environmental Responsibility Manager, EP
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T: 250.278.7788 **artemisgoldinc.com**

-----Original Appointment-----
From: Travis Desormeaux
Sent: Thursday, September 8, 2022 1:43 PM
To: Travis Desormeaux; Ryan Todd; James Witzke - Artemis Gold Inc.; Ryan Durand; Daniel McAllister; Greg Sharam; Kris Hallinger; Wade Brunham; Laurie Vaughan; Nadine Charleyboy; Neil Gauthreau; mikayla@keefereco.com; Emma Cooke; Mike Keefer; Steve Ross; Nicole Bishop; nathan.braun@erm.com; Andrea St-Pierre; ERM Canada Blackwater Gold; McColl, Duncan FLNR:EX; Janes, Tracey EAO:EX; van Proosdij, Ward EAO:EX; Rainey, Erin ENV:EX; Wittig, Gregory EAO:EX; Canham,Rachel (ECCC); Gallagher,Tasha (ECCC); Rina Freed; Georgina Farah; Pauline Mengote; 'Kasandra'; referrals@nadleh.ca; referrals; naturalresources@nazkoband.ca; Tai Krahn; GIS; nwheele@nadleh.ca; patrick.littlejohn@seamining.ca; Farzad Mohamm; Harrison,Lucy (ECCC); Burns,Lynne (ECCC); Claudette Gouger; Brenley Yuan; Jesse Nicholas; helga@tsilhqotin.ca; Kieran Broderick (kieranb2@telus.net); ecdev@mnbc.ca; jtwigg@mnbc.ca; harsha@vardanenergy.com; erin@millertiterle.com; chief@STFN.ca; councillor2@stfn.ca; tyson@millertiterle.com; mining@nazkoband.ca
Cc: Tai Krahn
Subject: BW Gold - Meeting #2 Wetlands Management and Offsetting Plan Update
When: Thursday, October 20, 2022 10:30 AM-12:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Microsoft Teams Meeting

Focus of meeting - Assessment and preliminary offsetting review

Microsoft Teams meeting

Join on your computer, mobile app or room device
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Meeting ID: 253 740 166 674
Passcode: uwaXMk
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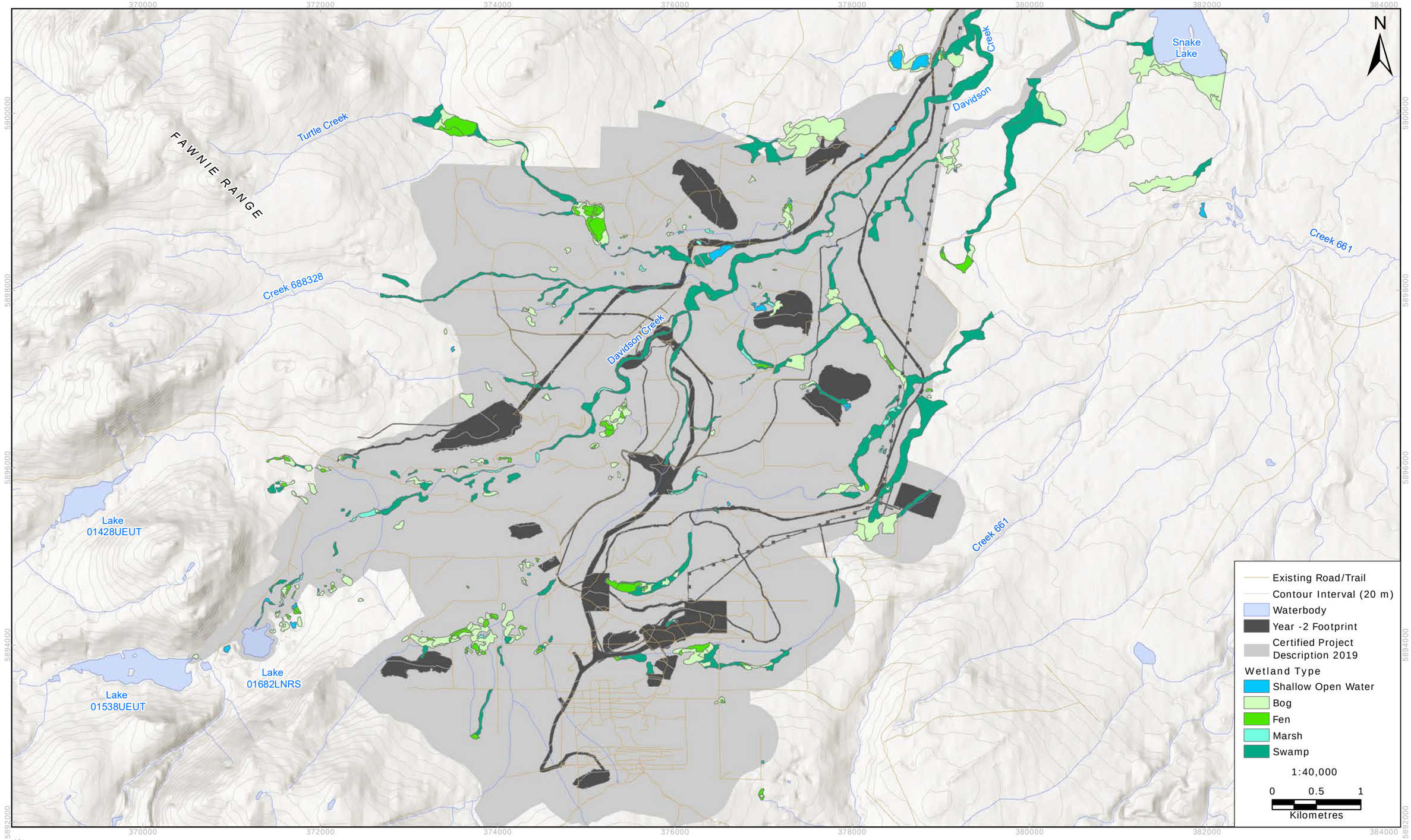
APPENDIX K PROJECT AREA INFRASTRUCTURE OVERLAYS ON WETLAND MAPS

FIGURE K-1 YEAR -2 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



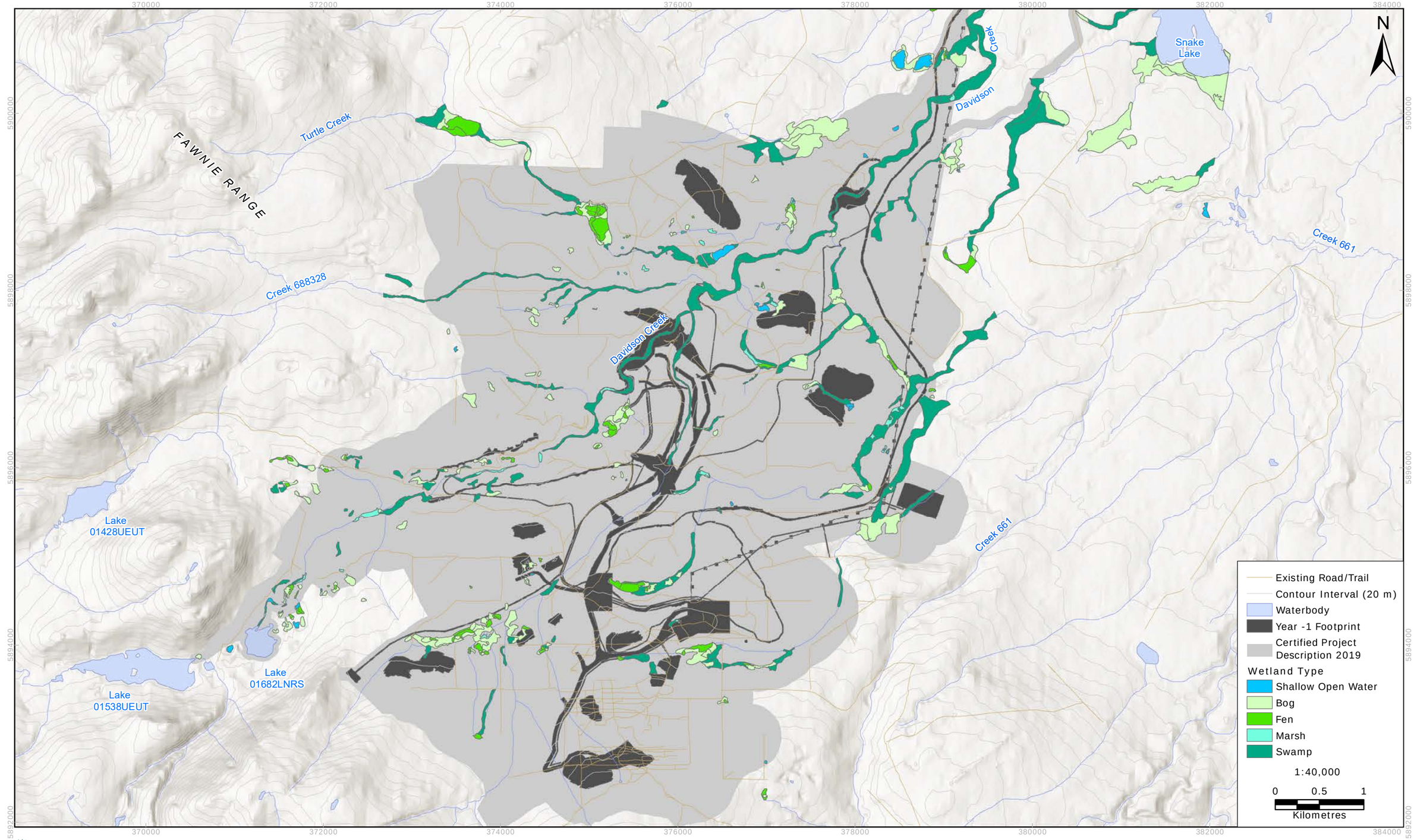
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064a

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-2 YEAR -1 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



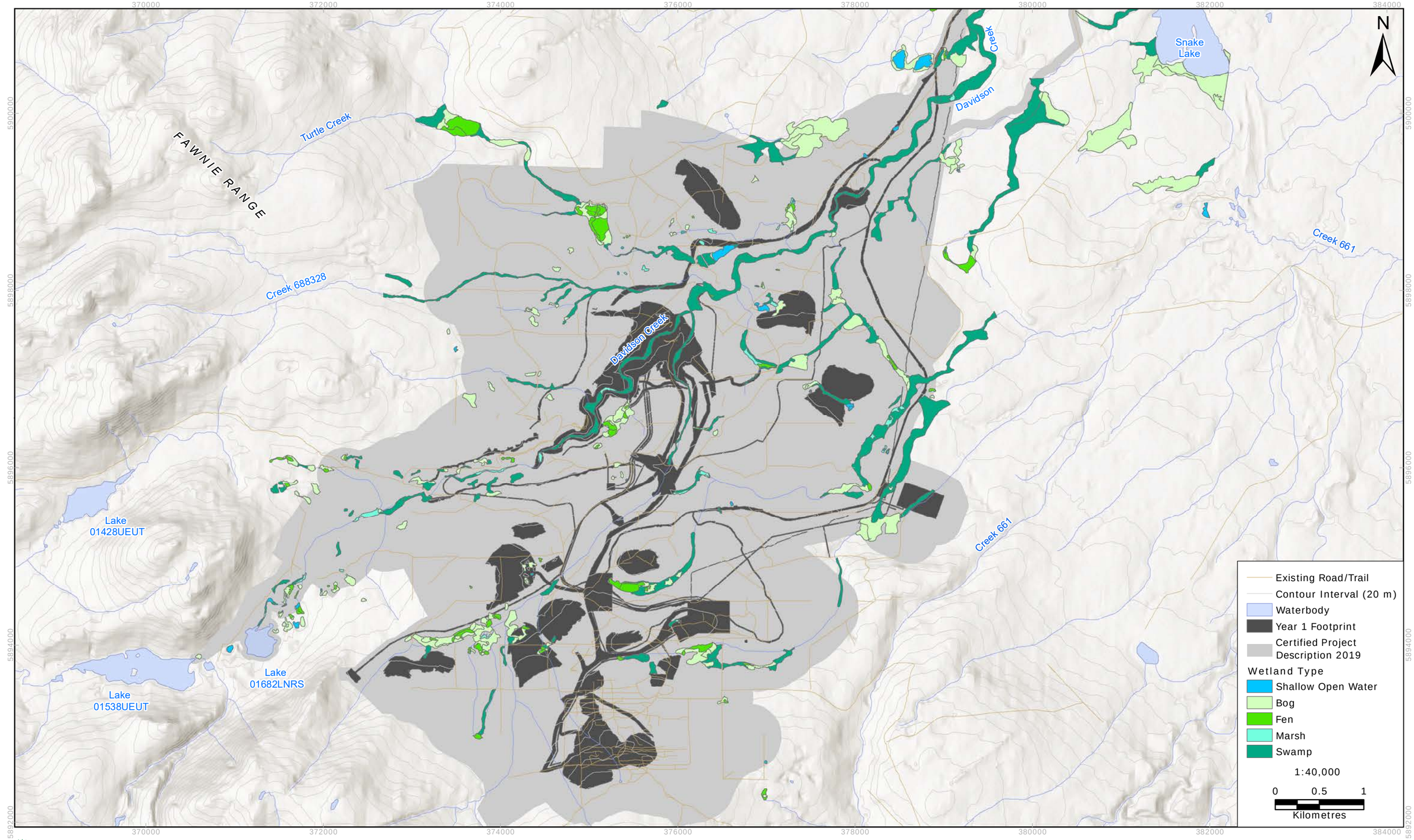
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064b

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-3 YEAR 1 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



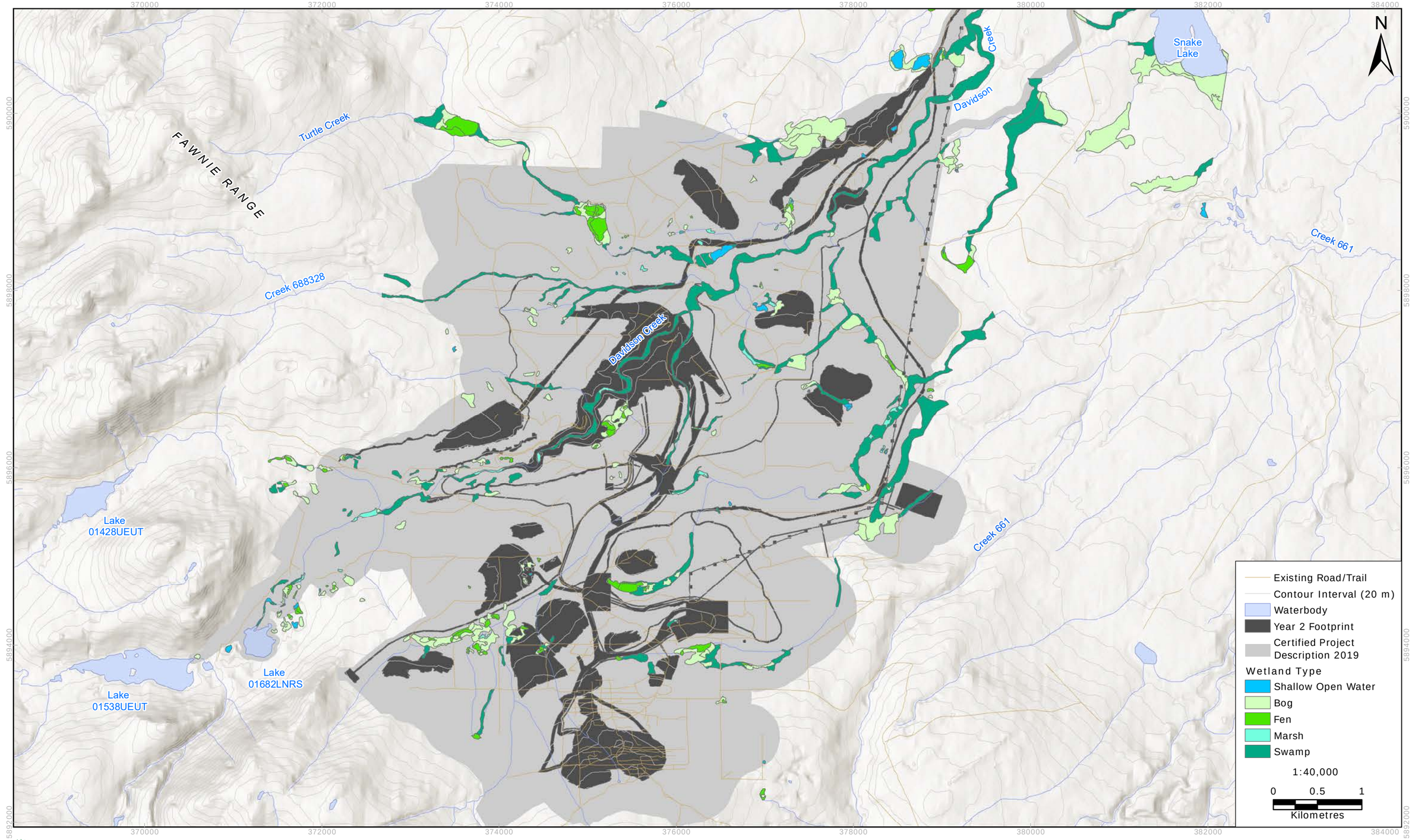
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064c

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-4 YEAR 2 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



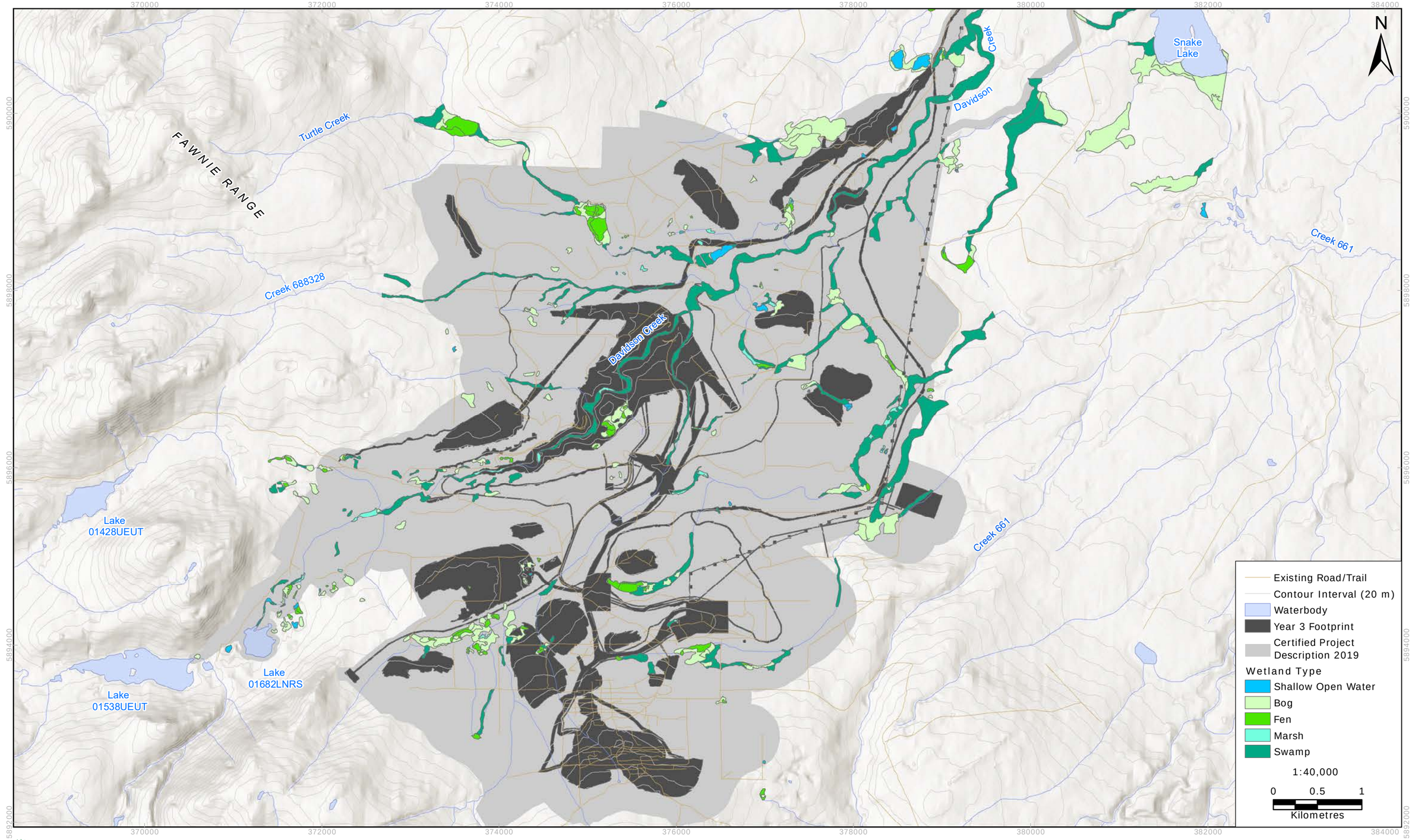
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064d

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-5 YEAR 3 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



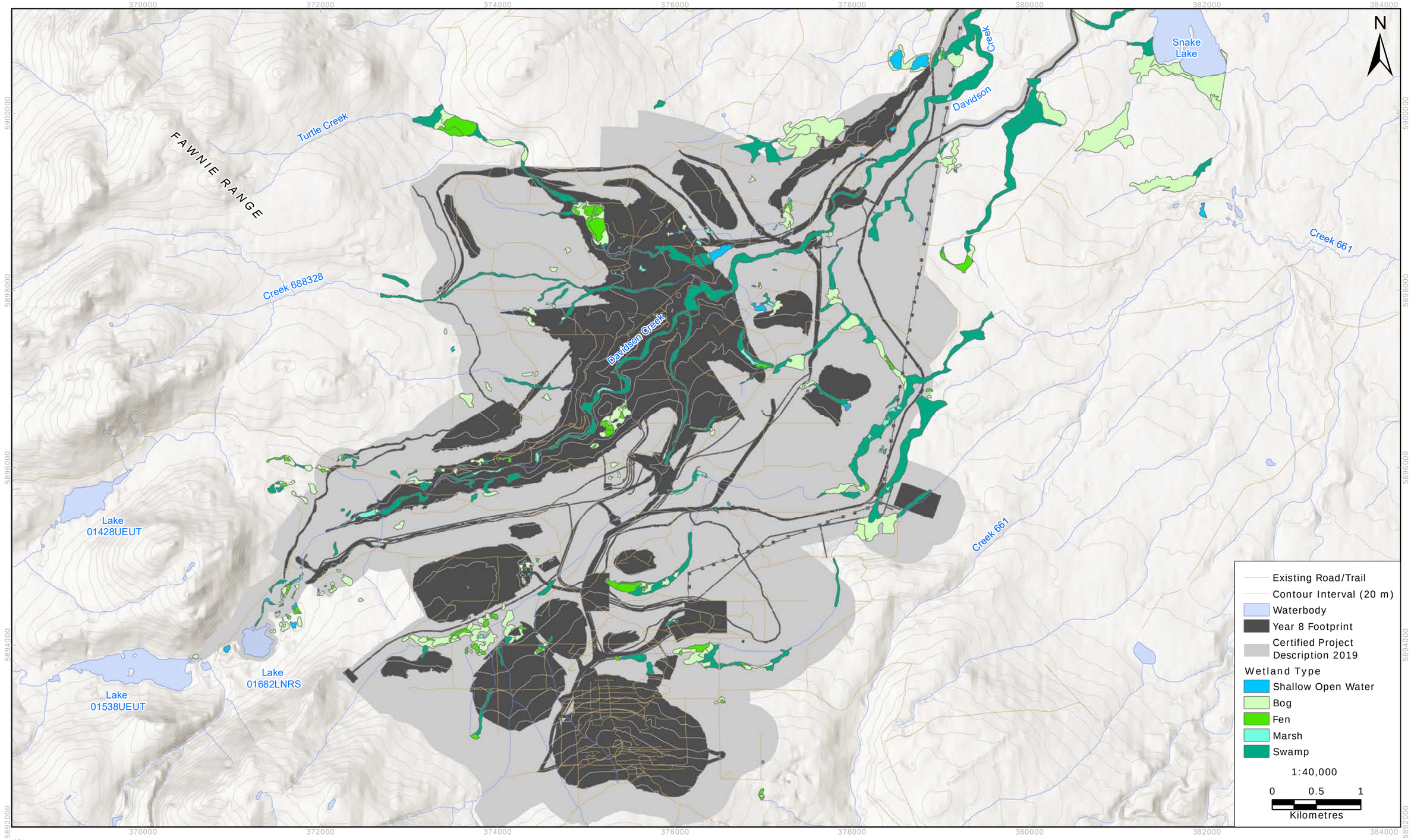
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064e

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-6 YEAR 8 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



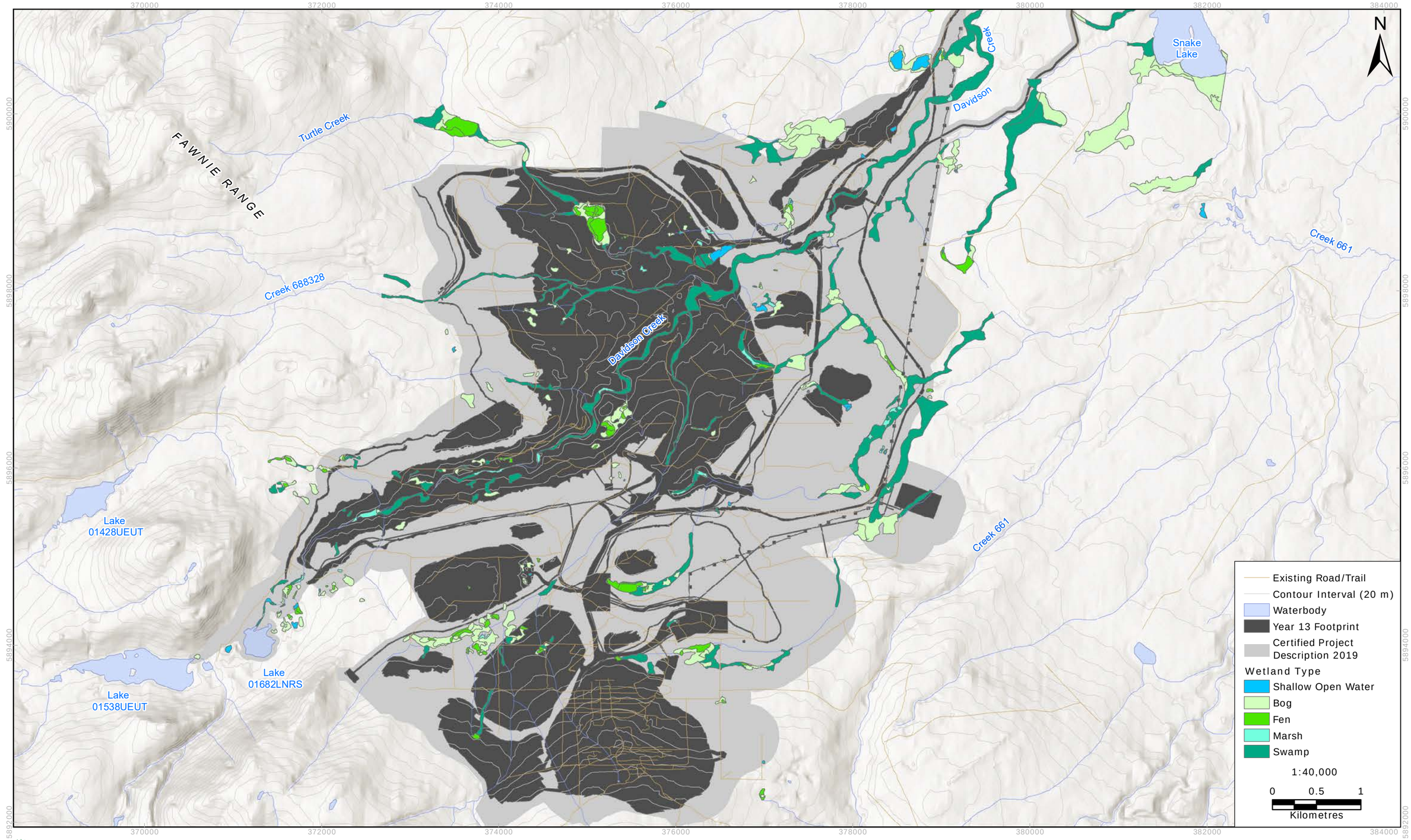
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064f

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-7 YEAR 13 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



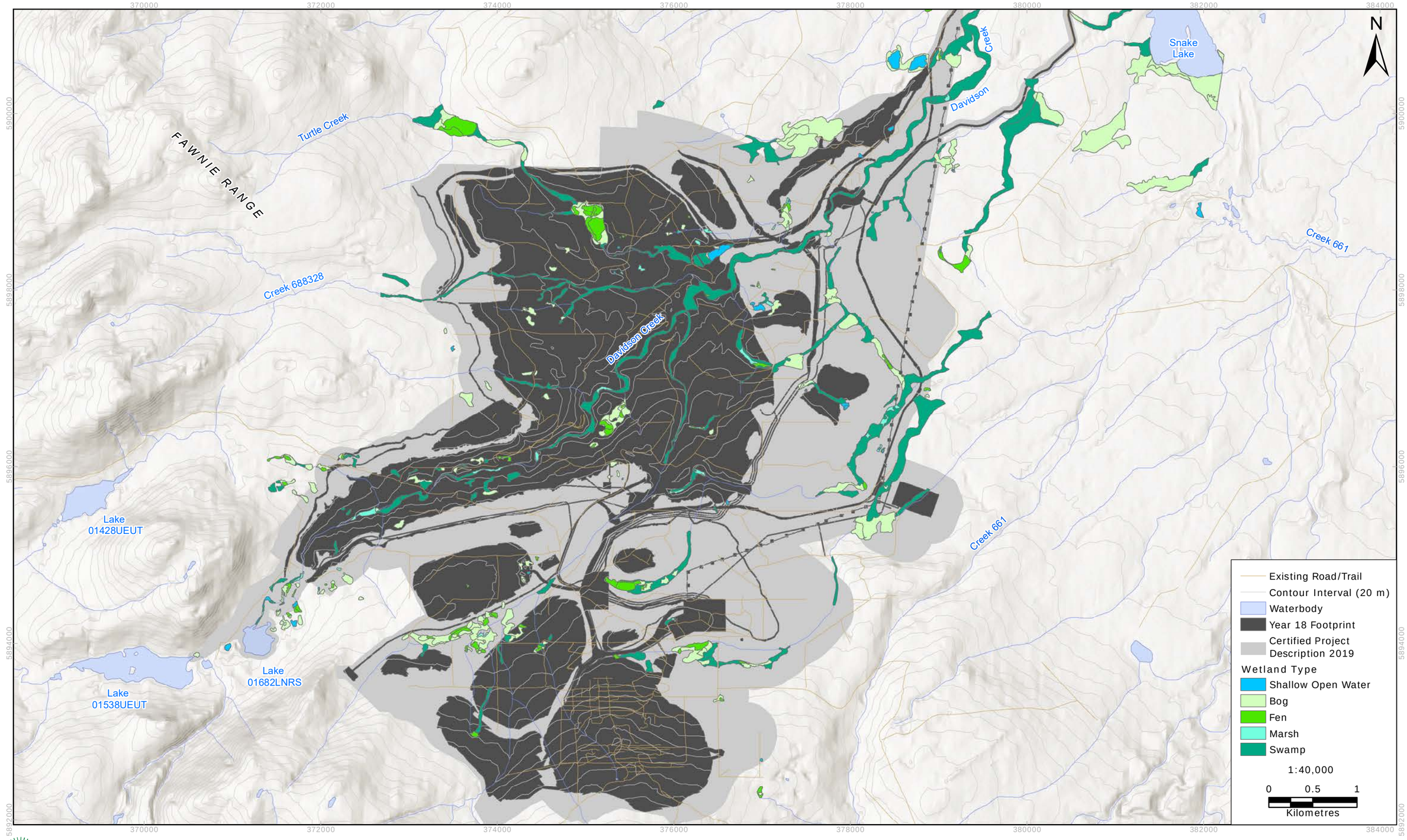
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064g

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-8 YEAR 18 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



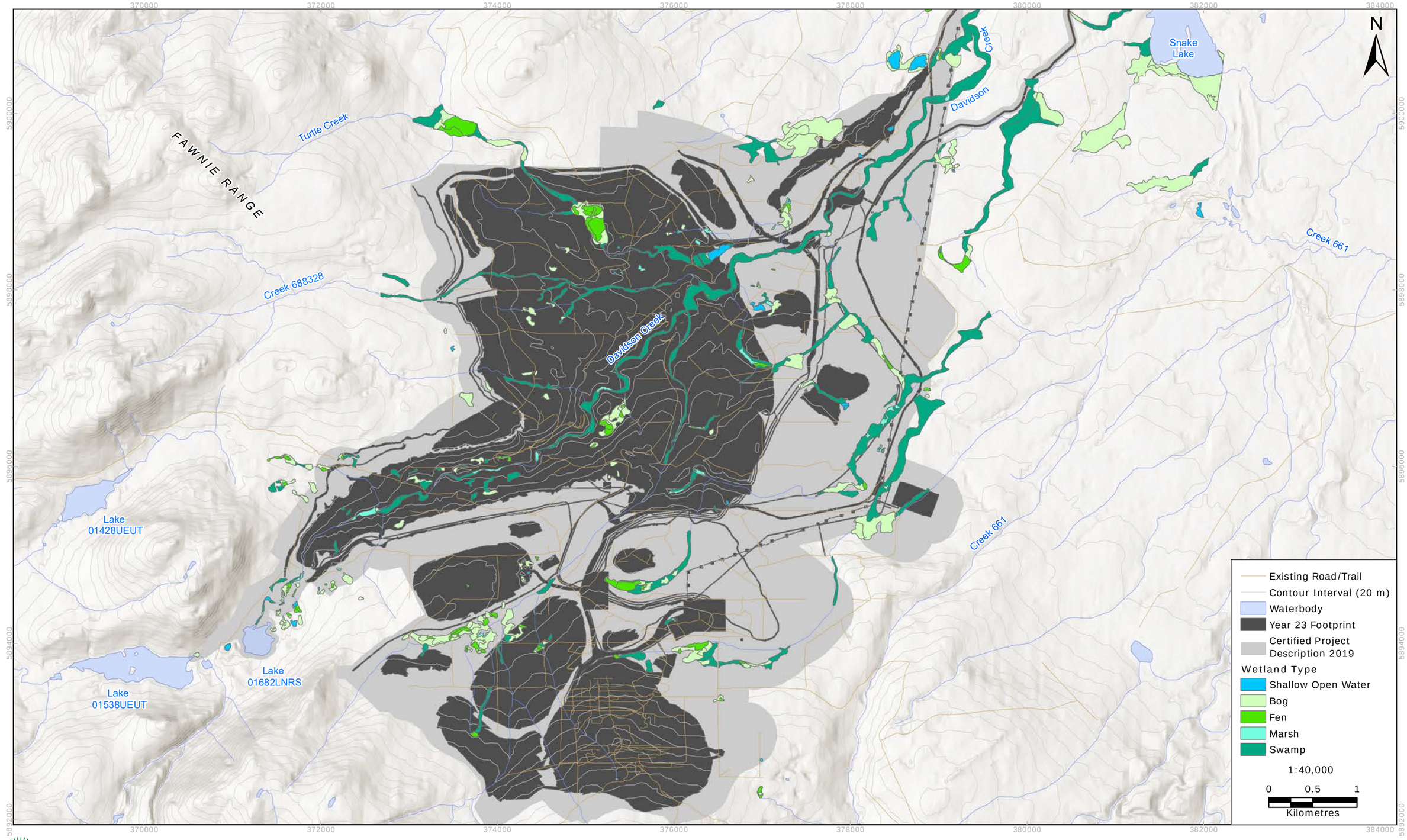
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064h

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

FIGURE K-9 YEAR 23 FOOTPRINT OVERLAP WITH MAPPED WETLANDS



ERM

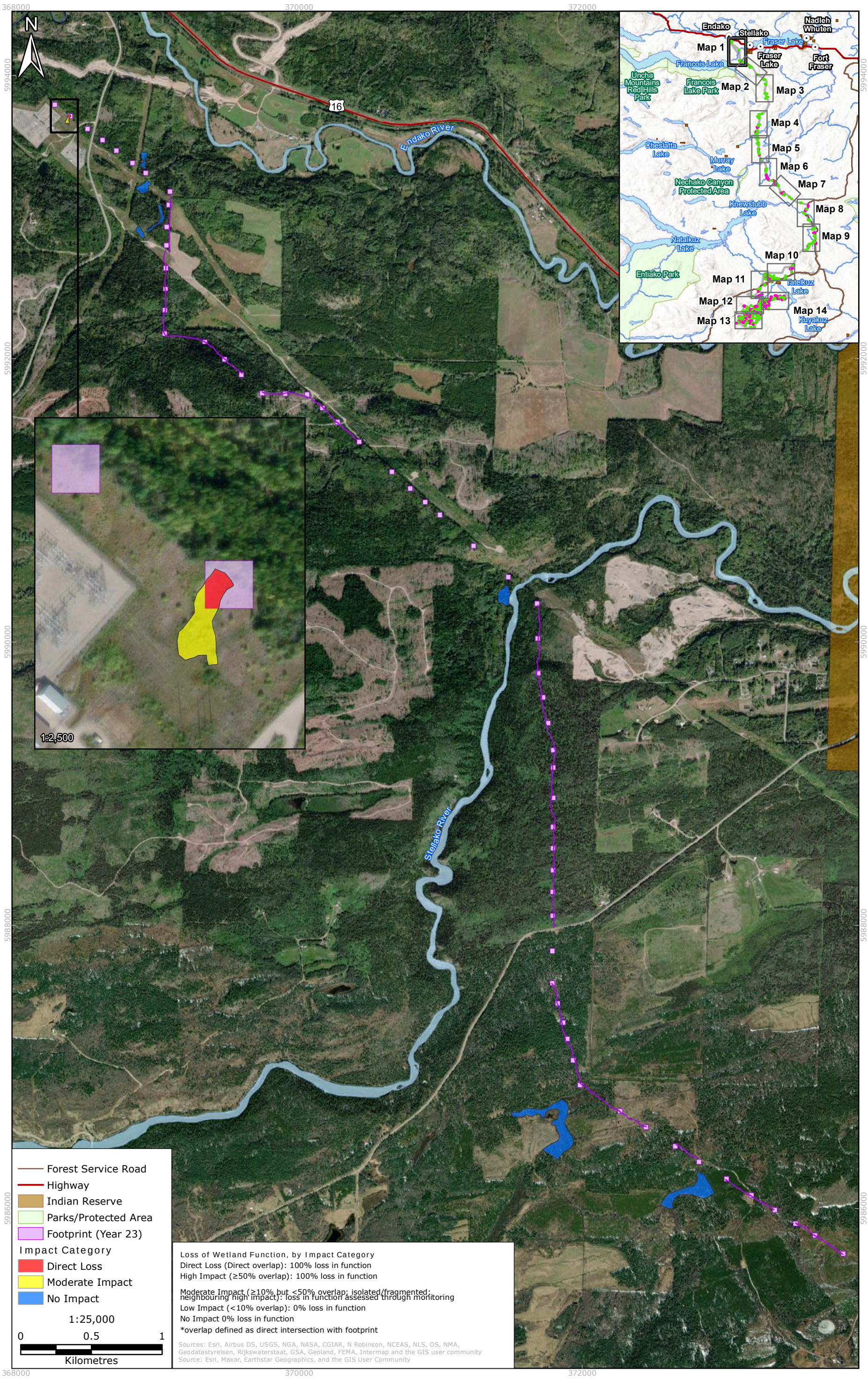
CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-064i

DATE: 02/26/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:40,000 when printed at 11x17

APPENDIX L PREDICTED PROJECT AREA WETLAND LOSSES AT YEAR 23 FULL BUILD-OUT

FIGURE L-1 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 1



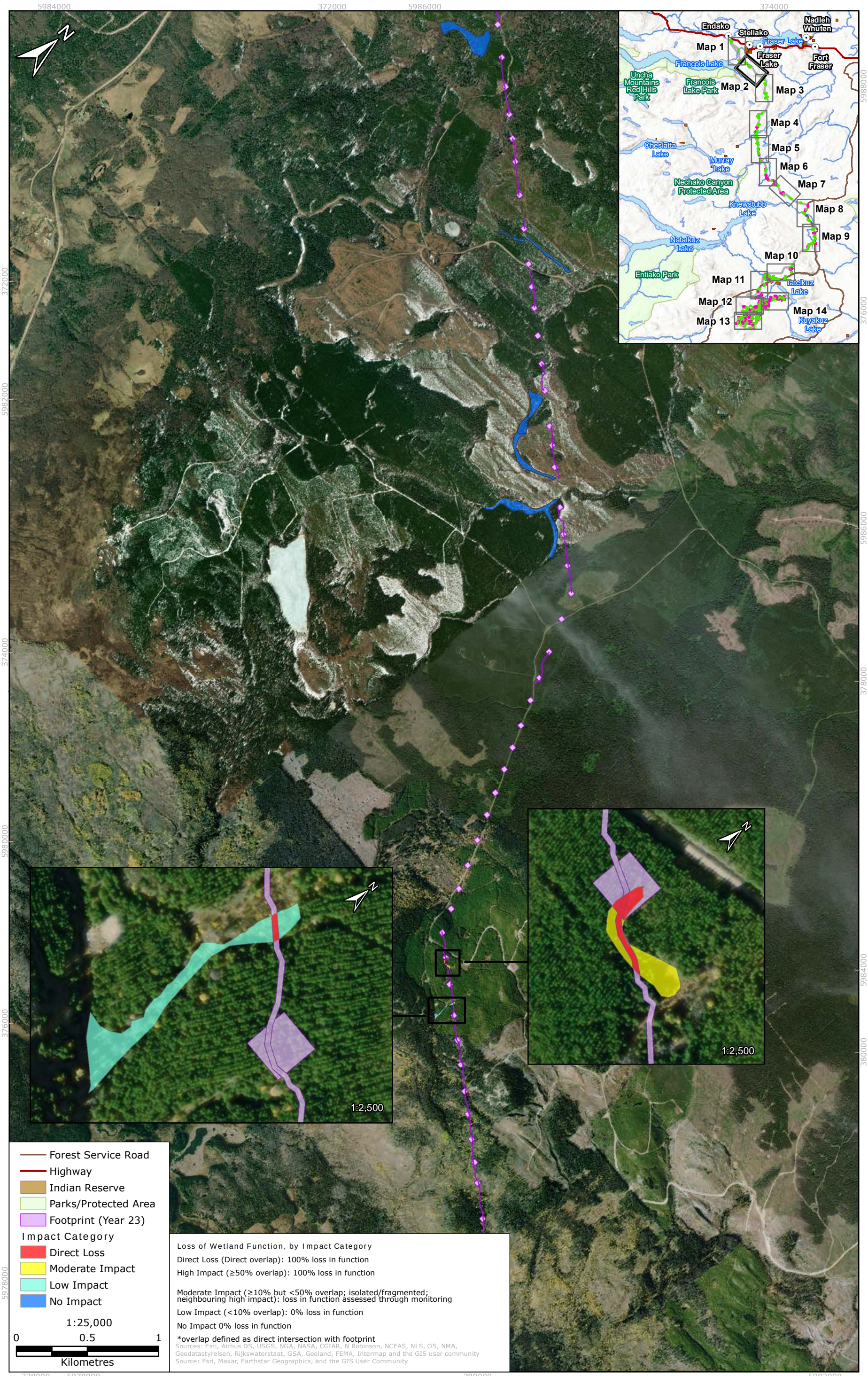
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060a

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-2 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 2



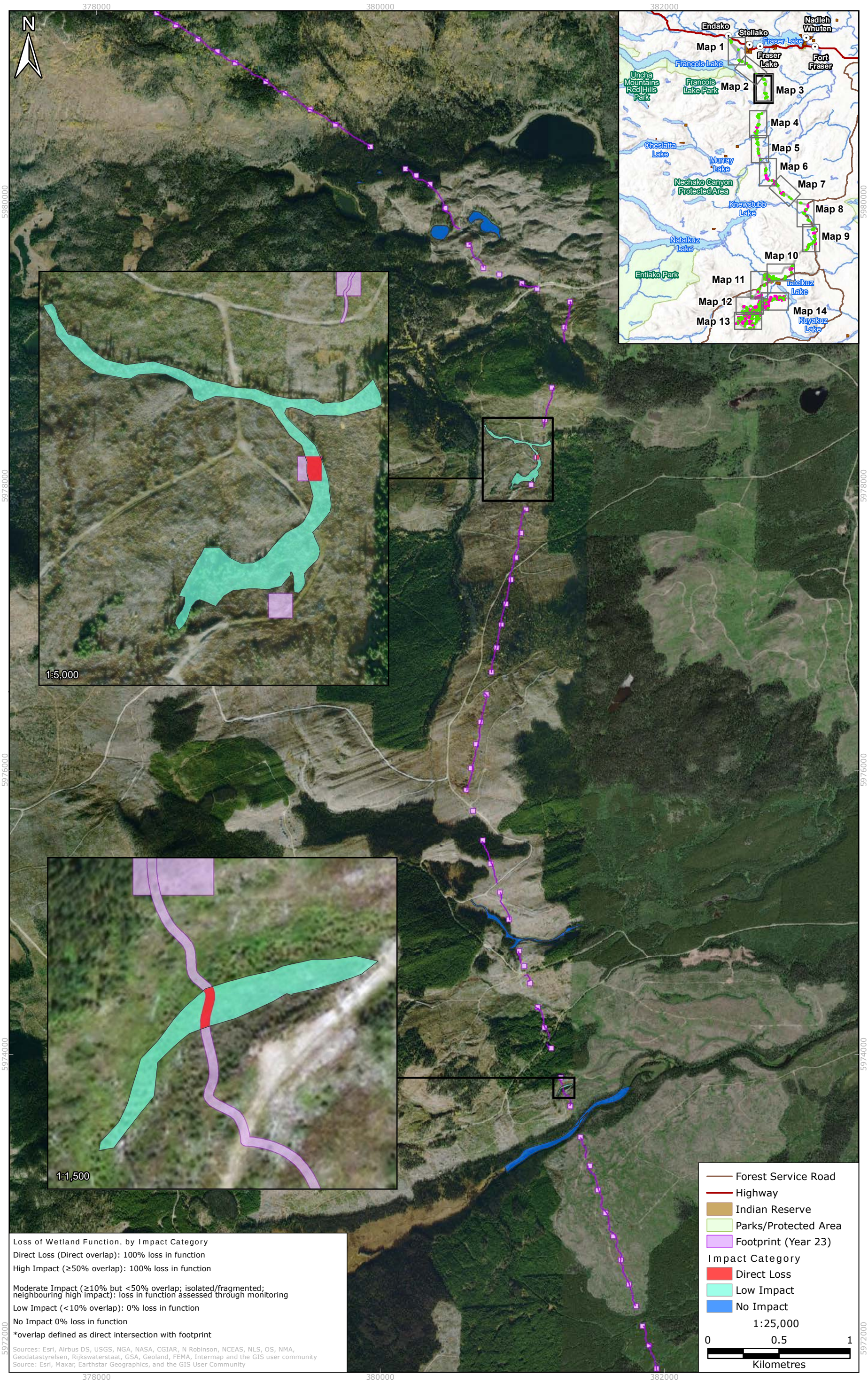
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060b

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:1,250,000 when printed at 11x17

FIGURE L-3 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 3



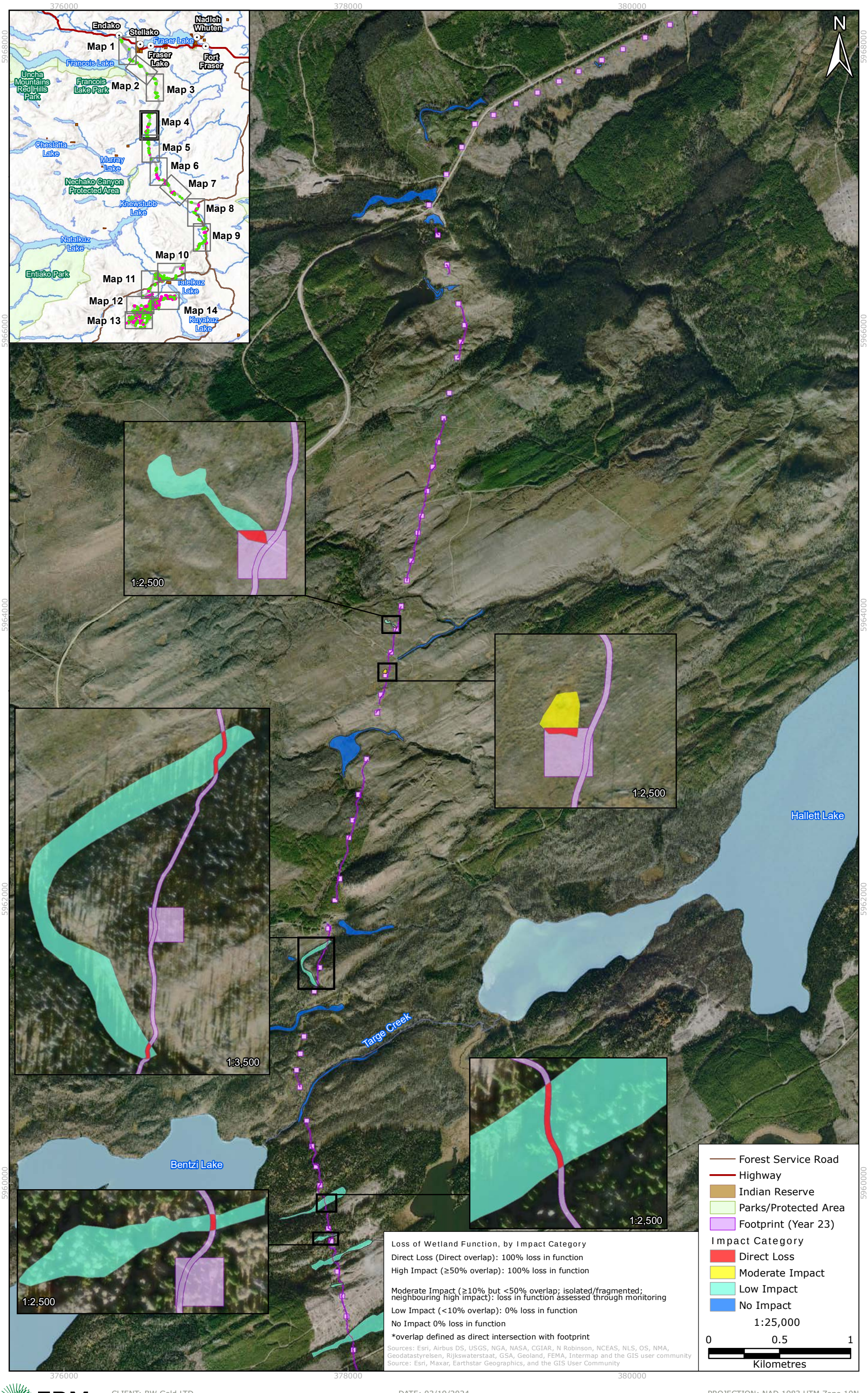
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060c

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-4 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 4



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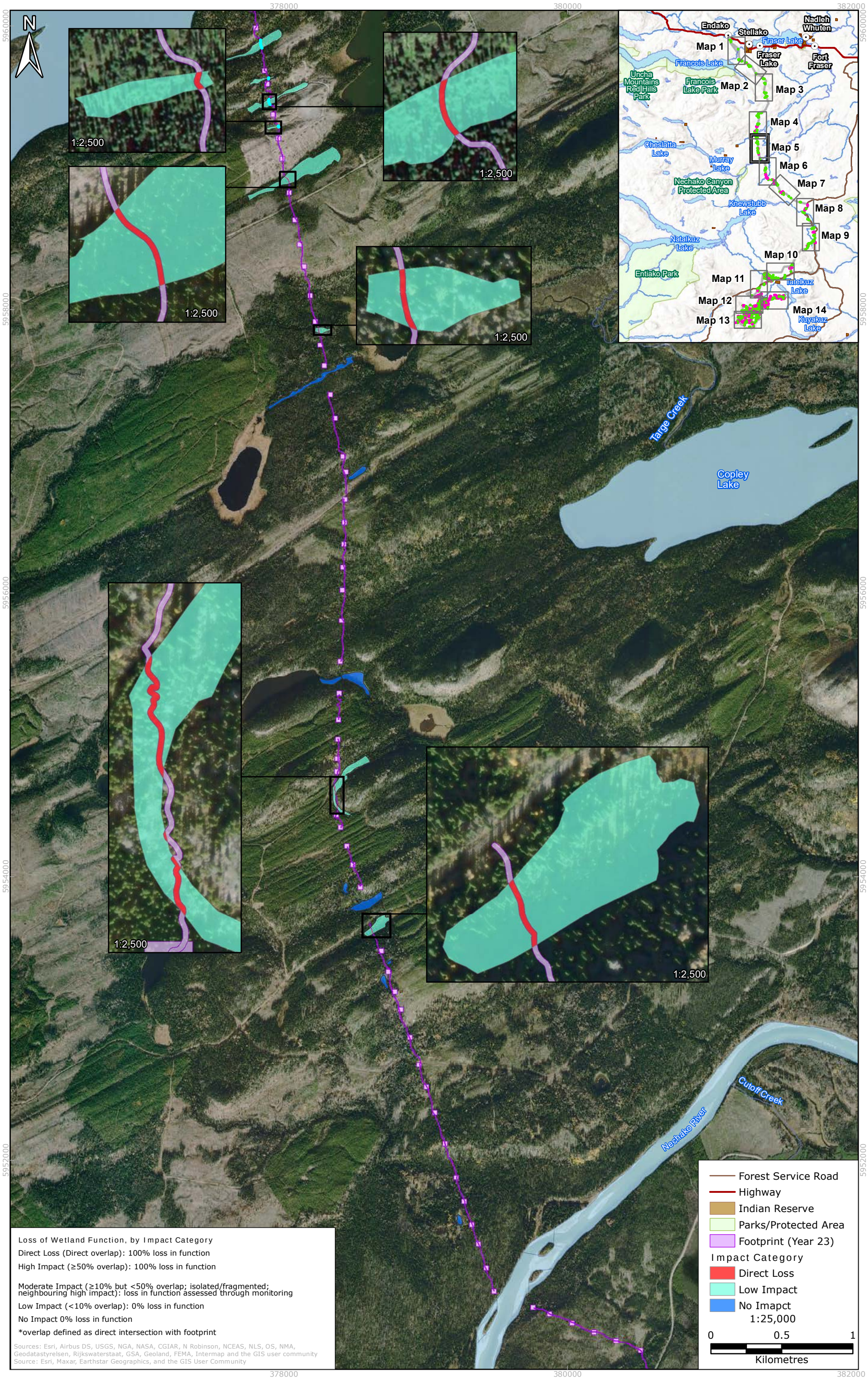
CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060d

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-5 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 5



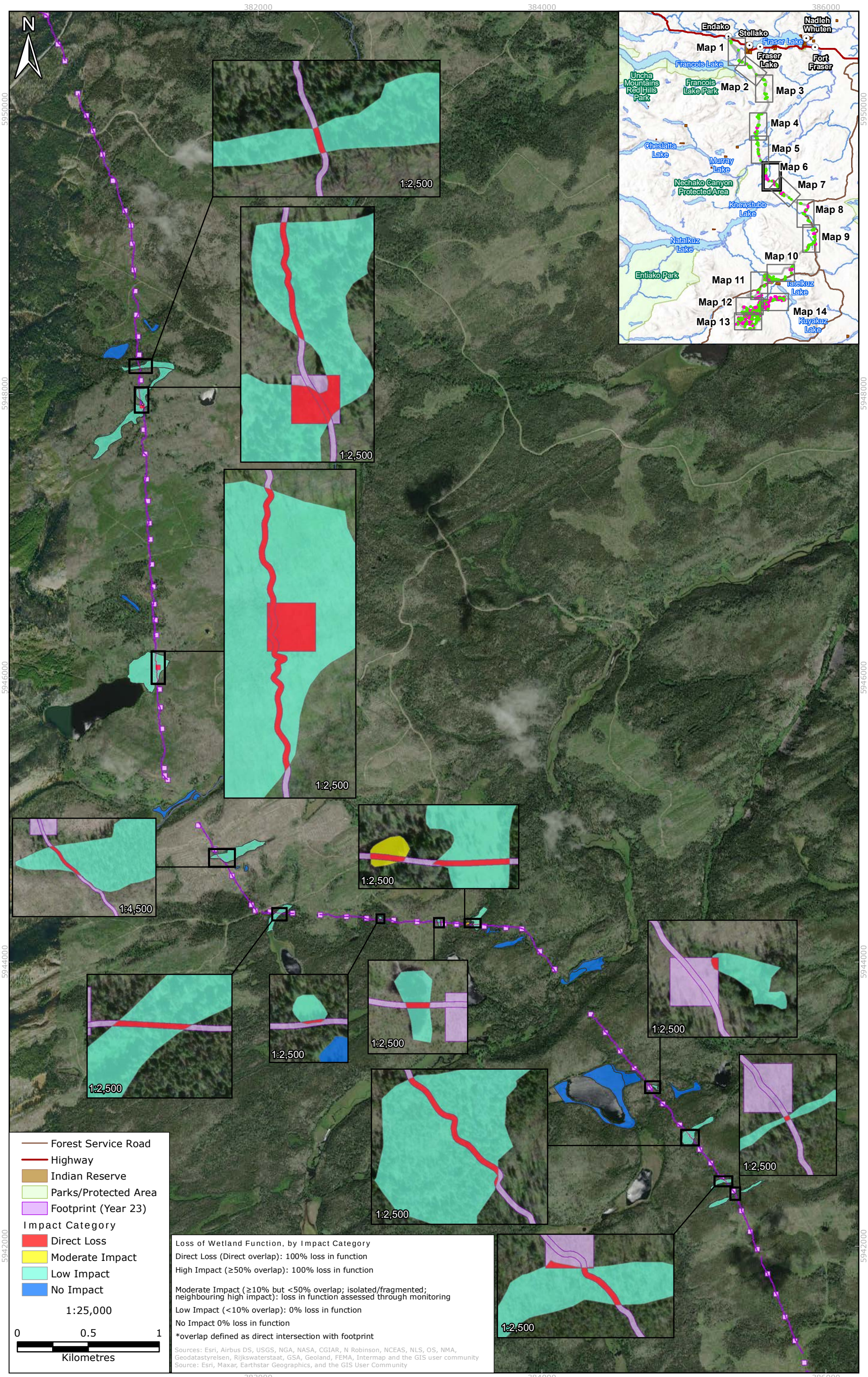
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060e

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:2,500 when printed at 11x17

FIGURE L-6 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 6



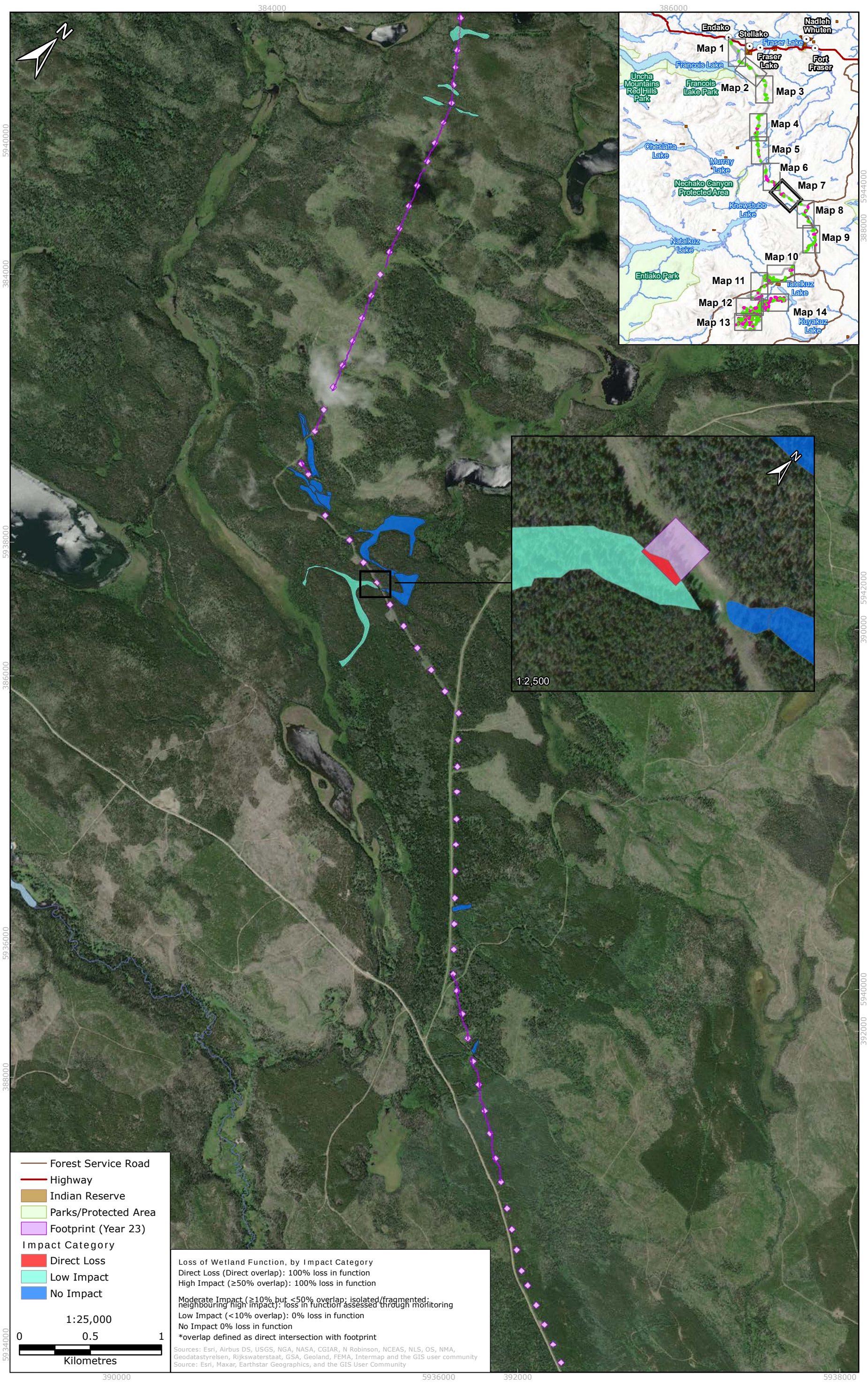
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060f

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-7 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 7



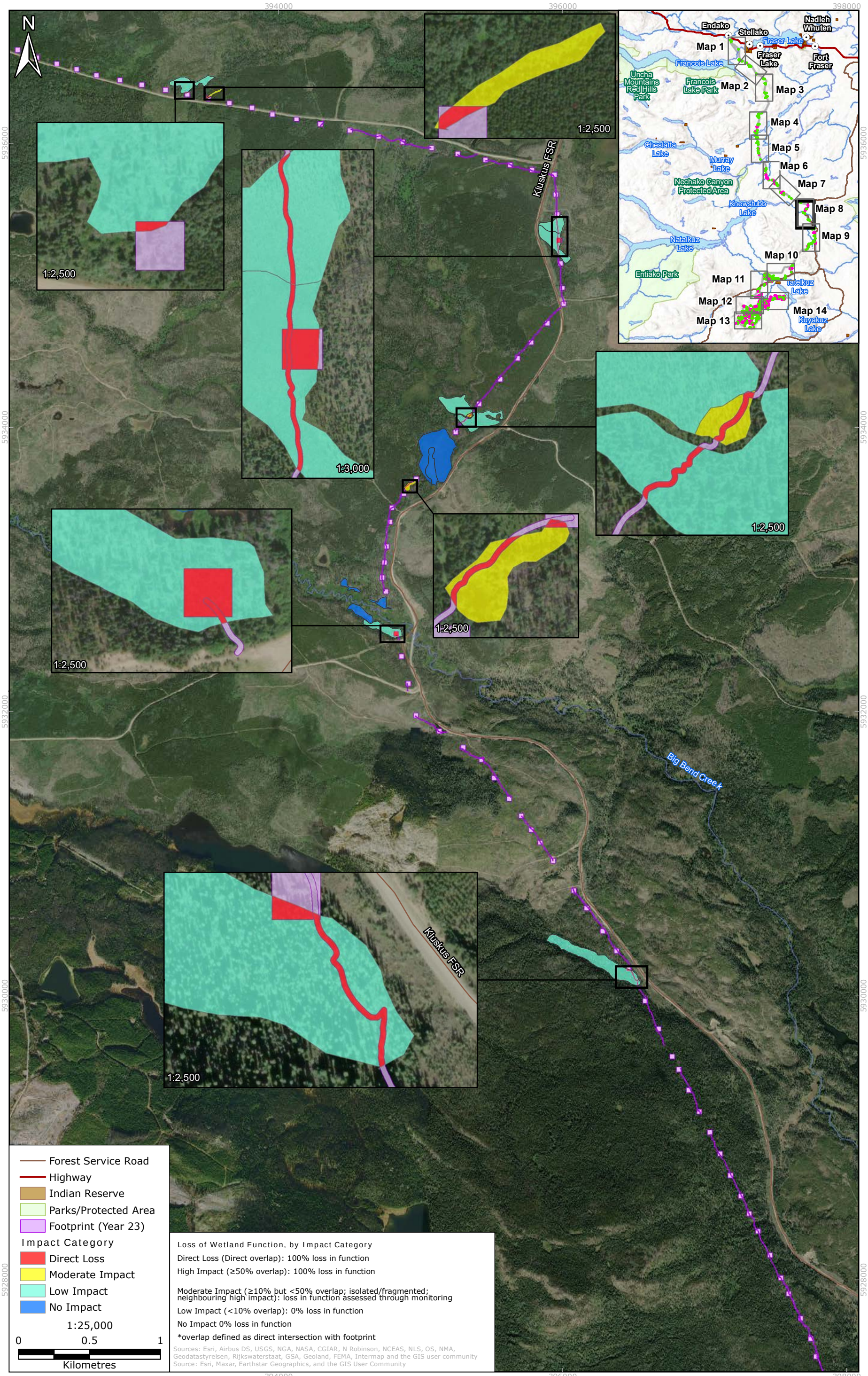
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060g

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-8 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 8



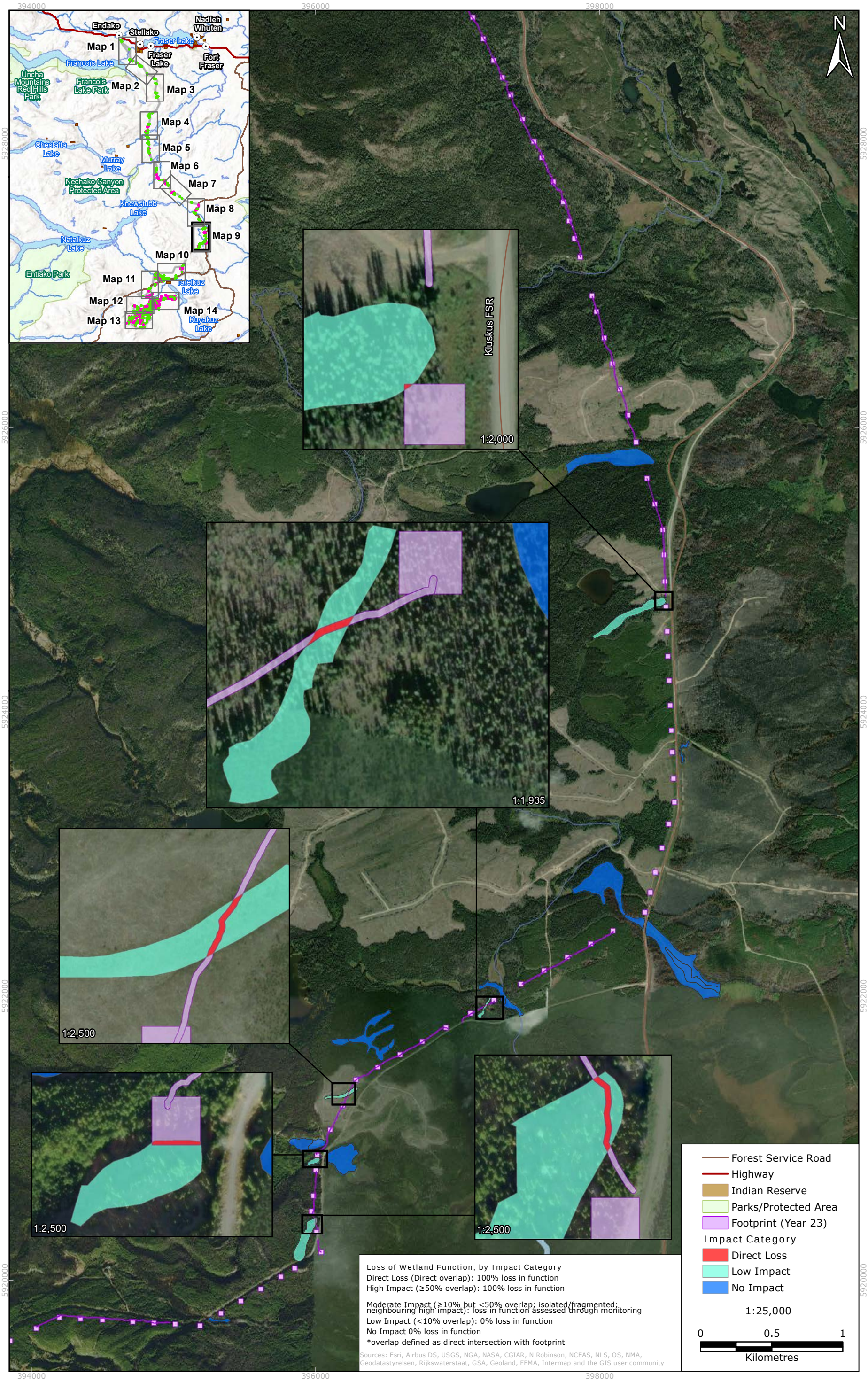
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060h

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:2,500 when printed at 11x17

FIGURE L-9 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 9



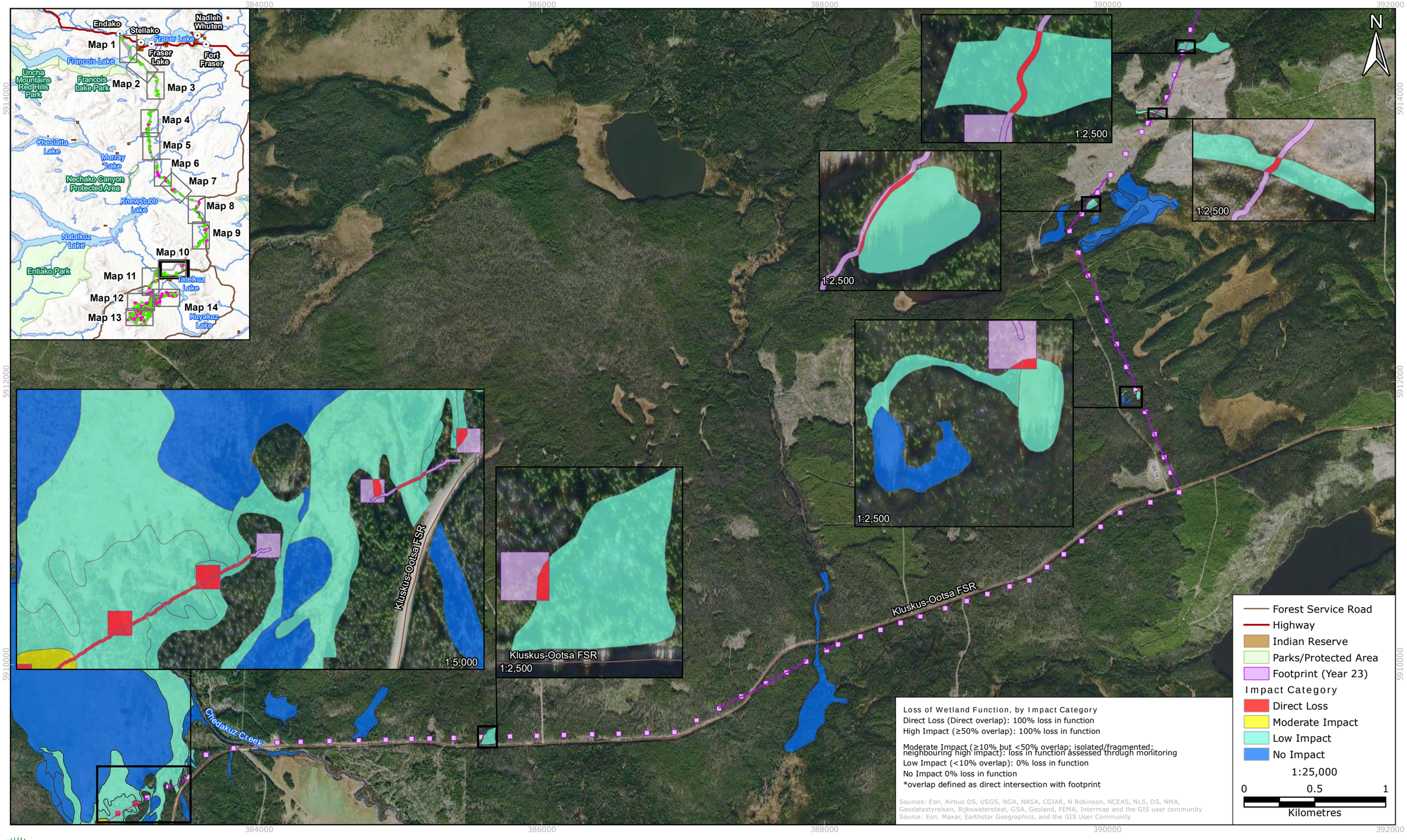
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060i

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-10 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 10



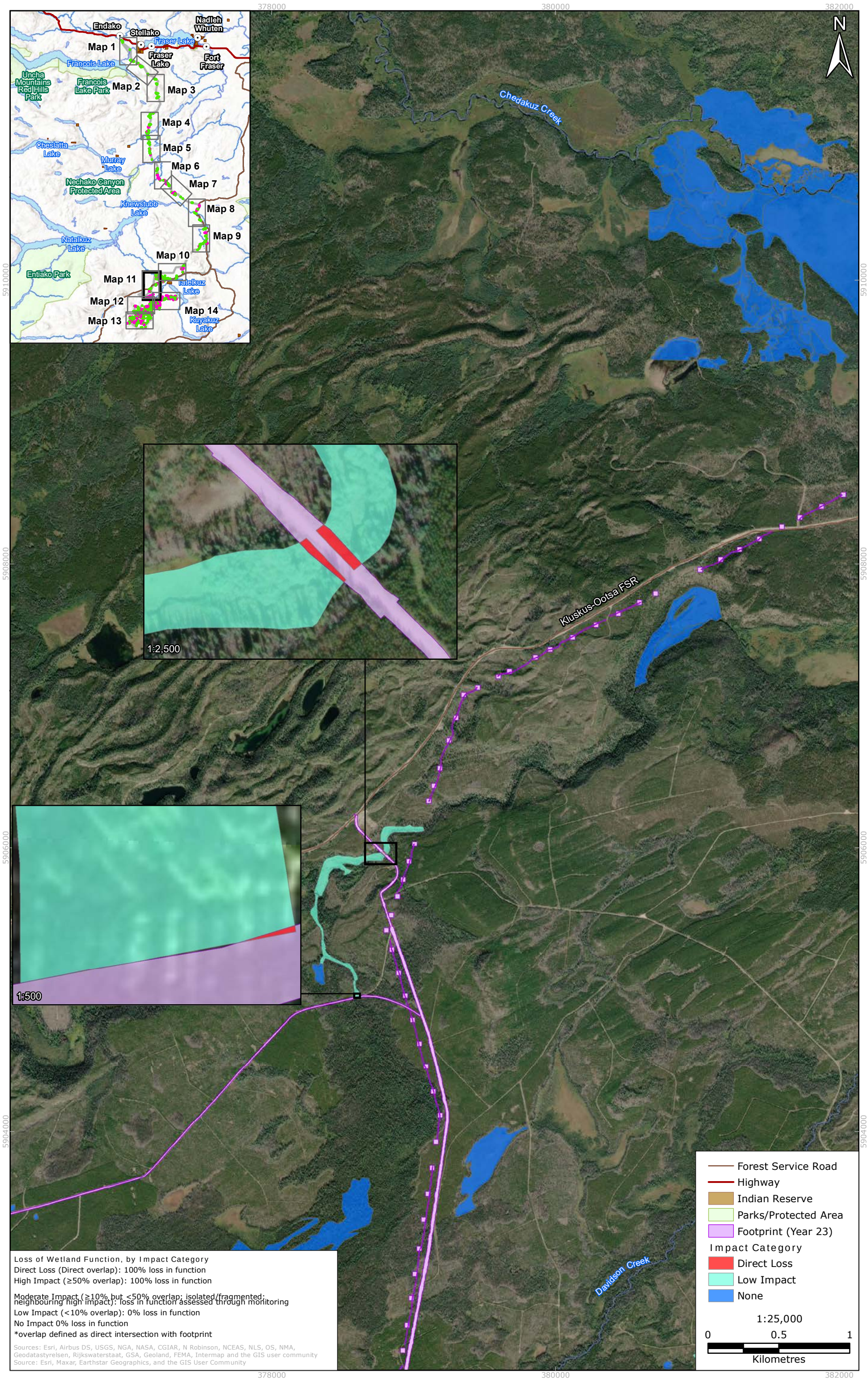
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060j

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-11 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, TRANSMISSION LINE - MAP 11



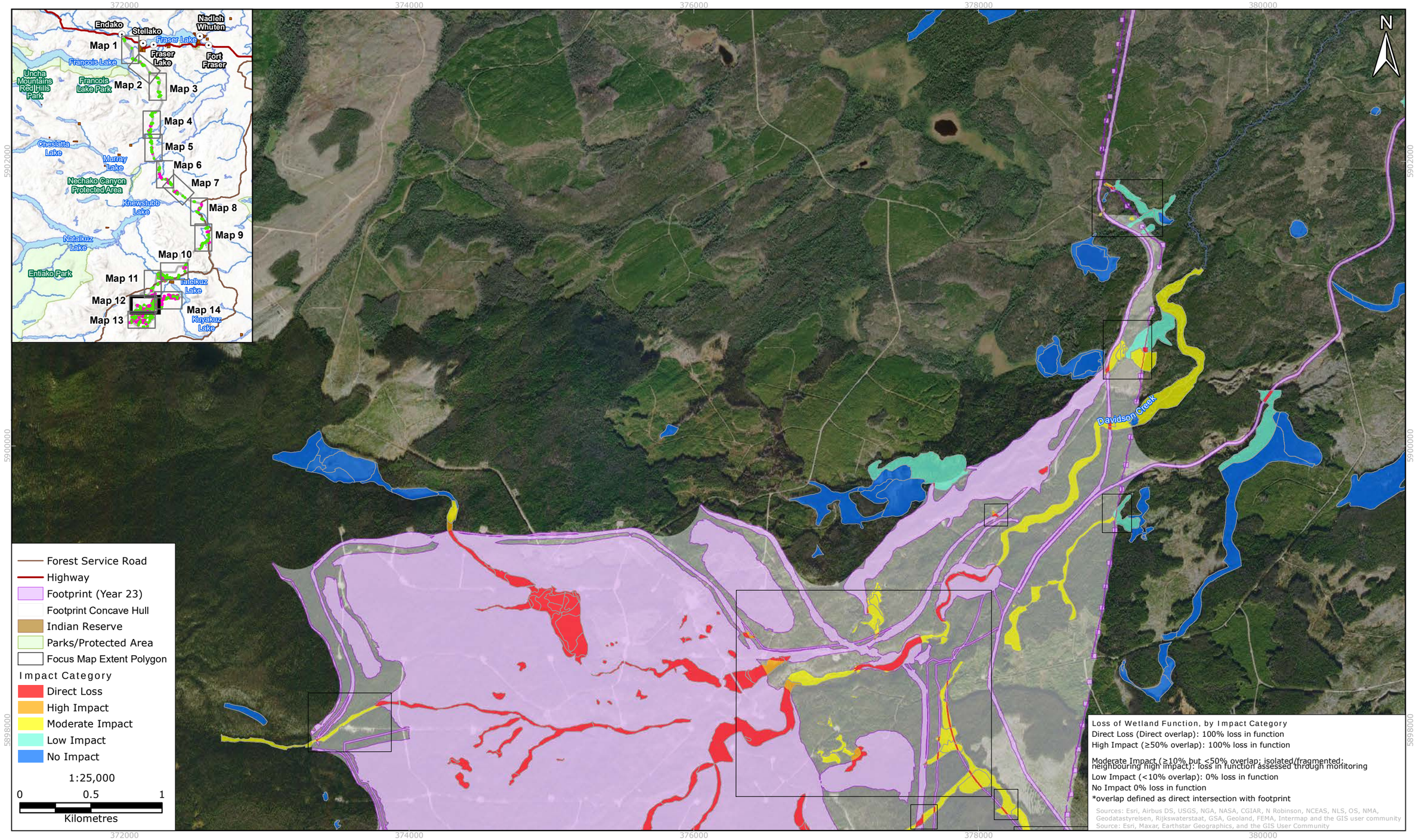
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060k

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-12 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE - MAP 12



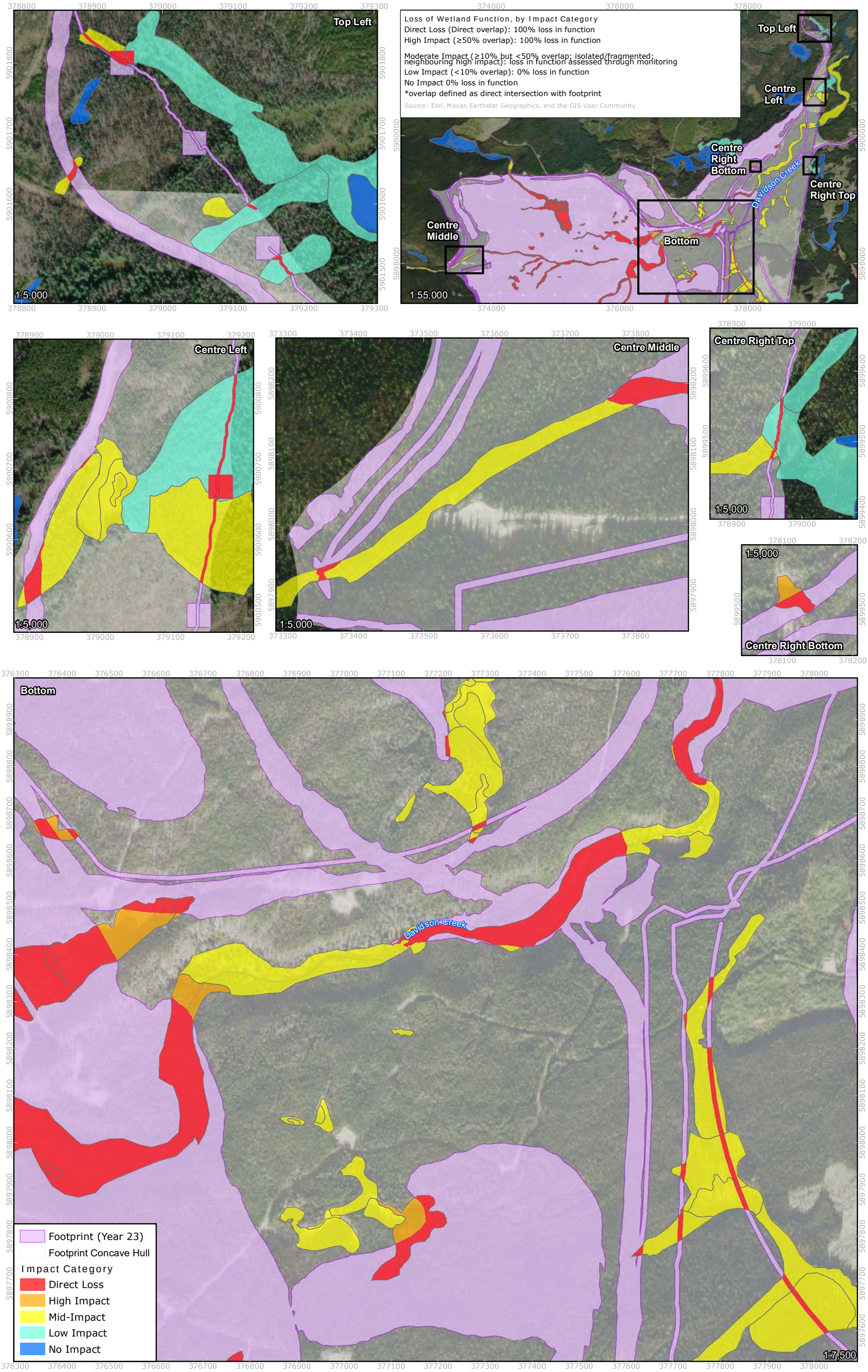
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060I

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-13 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE INSET MAP 1

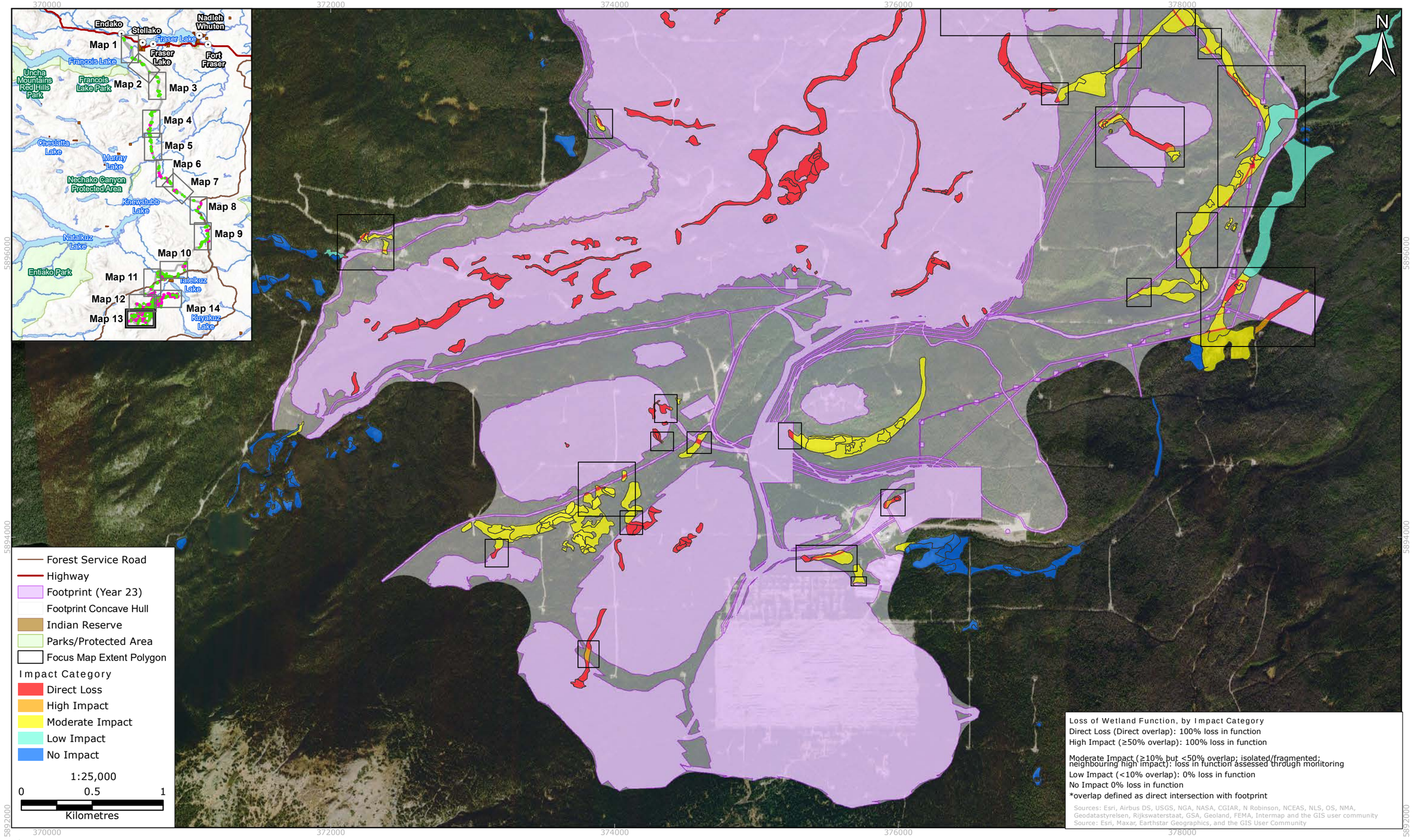


CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060l_insets

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:55,000 when printed at 11x17

FIGURE L-14 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE - MAP 13



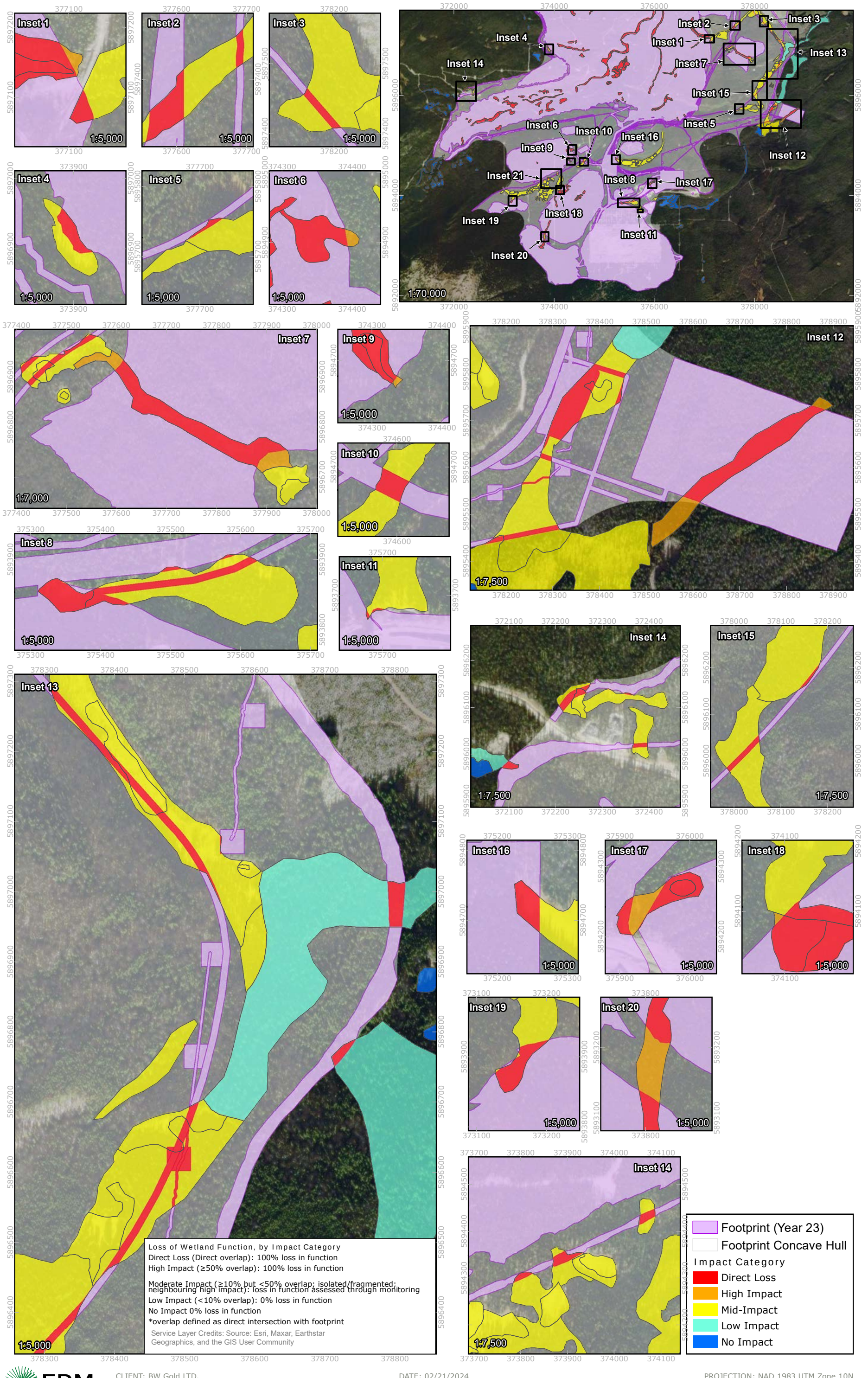
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060m

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

FIGURE L-15 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE INSET MAP 2



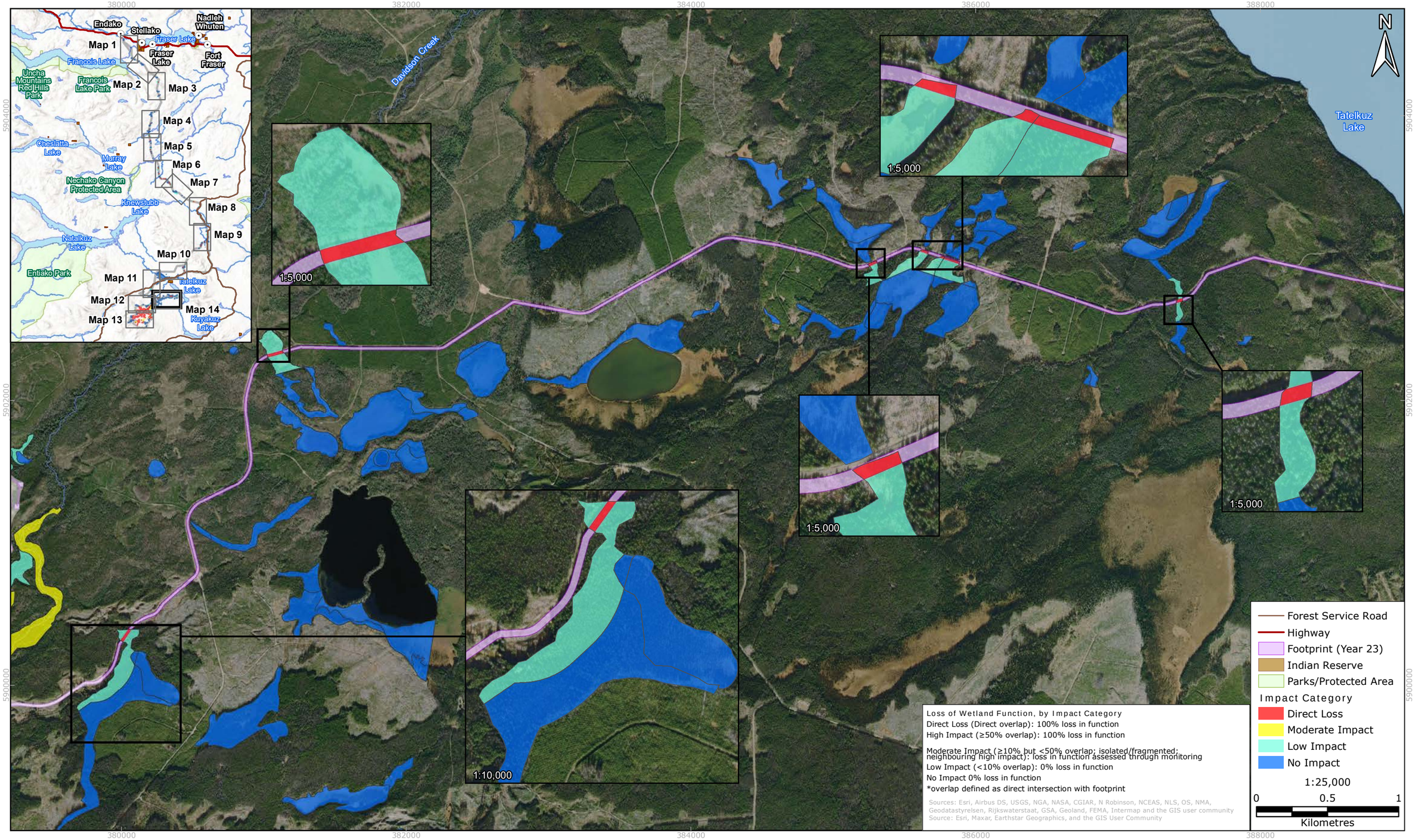
ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060m_insets

DATE: 02/21/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:5,000 when printed at 11x17

FIGURE L-16 YEAR 23 FOOTPRINT PREDICTED DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE - MAP 14



ERM

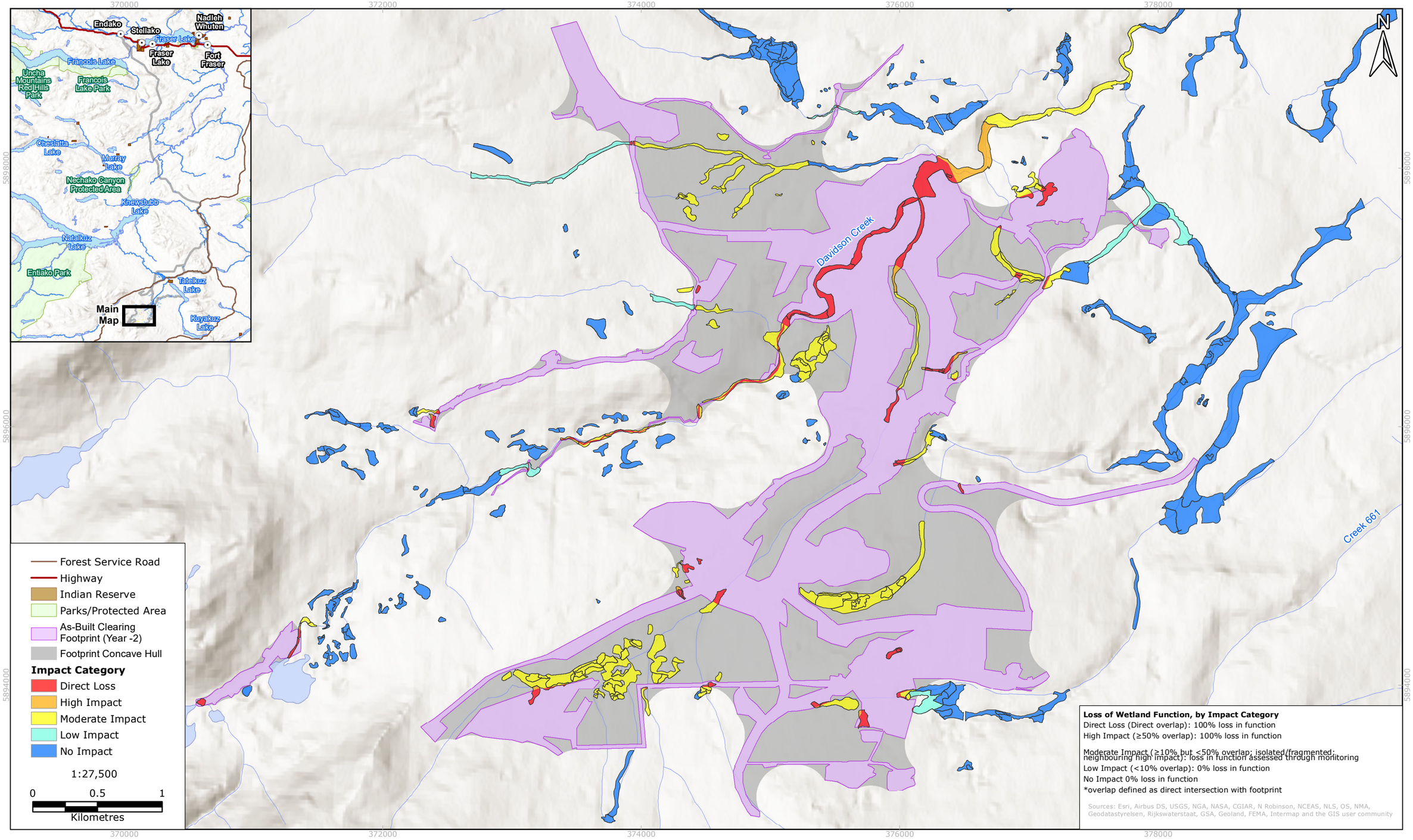
CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060n

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:25,000 when printed at 11x17

APPENDIX M ACTUAL (AS-BUILT) PROJECT AREA WETLAND LOSSES

FIGURE M-1 YEAR -2 (2023) AS-BUILT DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE OVERVIEW



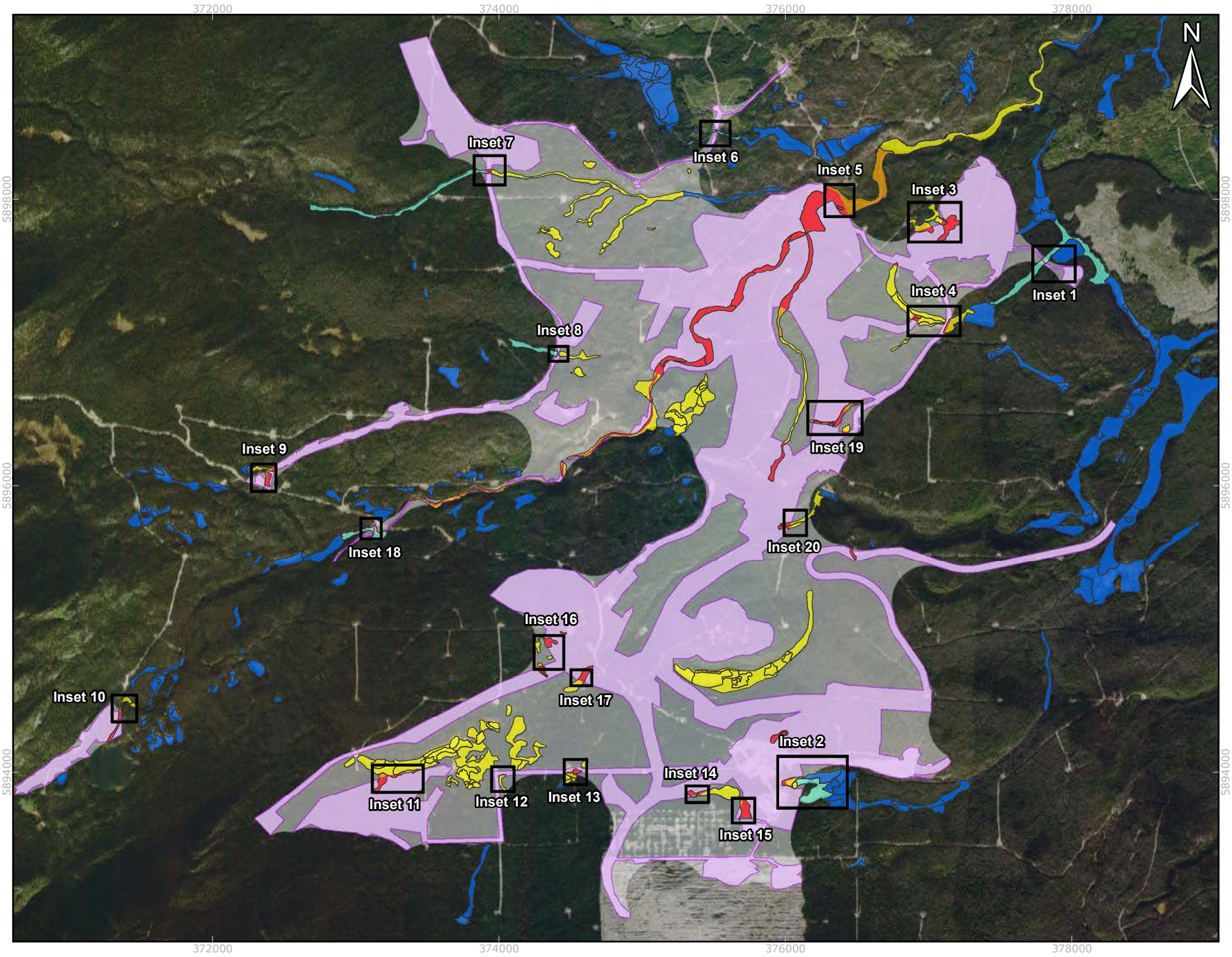
ERM

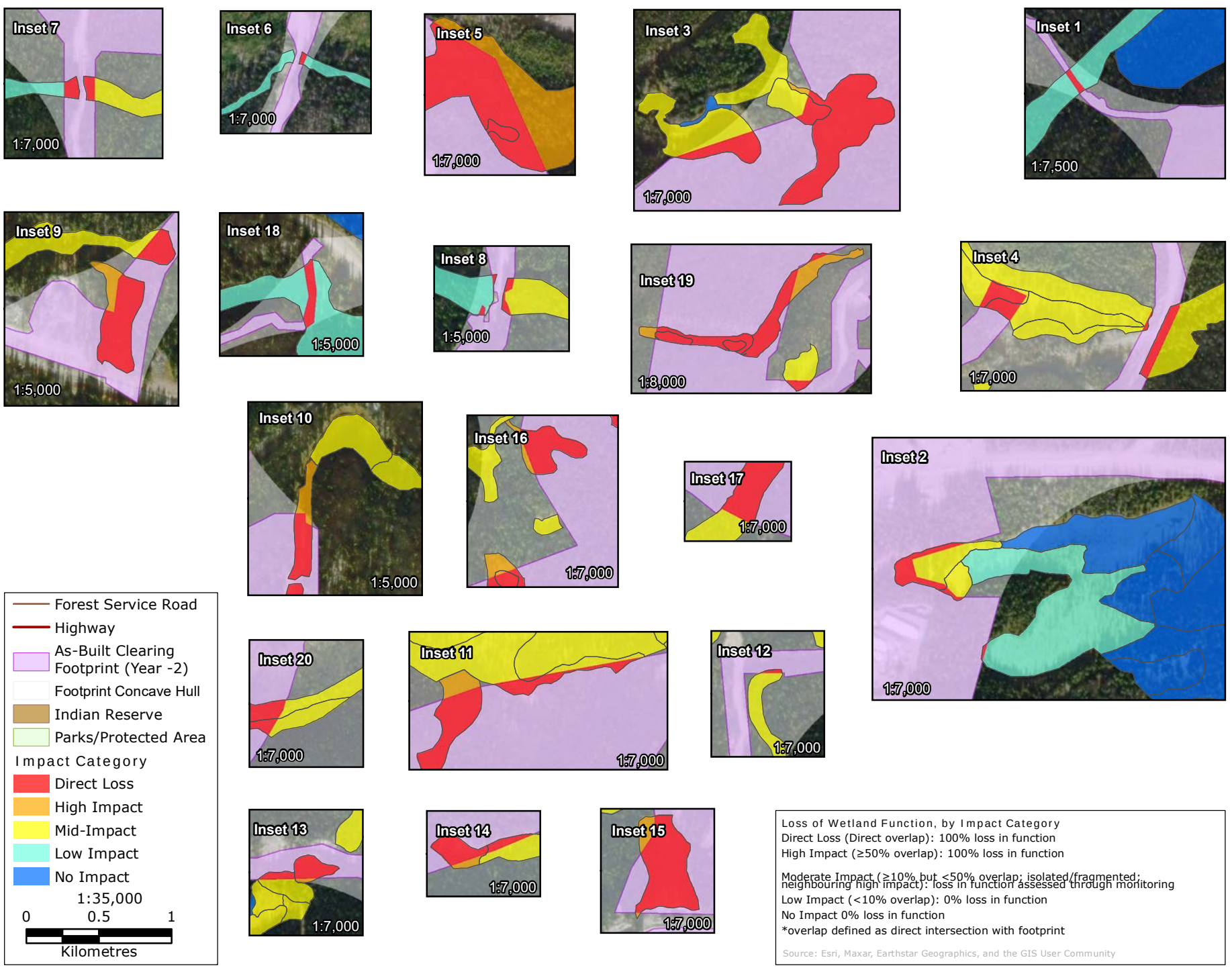
CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060p

DATE: 03/21/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:27,500 when printed at 11x17

FIGURE M-2 YEAR -2 (2023) AS-BUILT DIRECT AND INDIRECT IMPACTS TO WETLANDS, MINE SITE INSET MAP





Loss of Wetland Function, by Impact Category
Direct Loss (Direct overlap): 100% loss in function
High Impact (≥50% overlap): 100% loss in function
Moderate Impact (≥10% but <50% overlap; isolated/fragmented; neighbouring high impact): loss in function assessed through monitoring
Low Impact (<10% overlap): 0% loss in function
No Impact 0% loss in function
*overlap defined as direct intersection with footprint

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

ERM

CLIENT: BW Gold LTD.
GIS NUMBER: BLW-22-060q_insets2

DATE: 03/19/2024

PROJECTION: NAD 1983 UTM Zone 10N
SCALE: 1:35,000 when printed at 11x17

APPENDIX N WETLAND MONITORING SUPPORTING INFORMATION AND FIELD FORMS

APPENDIX N: 2024 WMOP INFORMATION TRACKING TABLE

Blackwater Gold Project – Wetland Management and Offsetting Plan									
Admin	Comments								
ID	Comment Date	Reviewer Agency	Reviewer Source Doc	Reviewer Name	Application Section or Page	Section in Updated Plan	Comment Theme	Comment	Response
W119*	Nov 5, 2023	ECCC	Table		Page, 10-2		Wetlands Balance by Component	Not Resolved. The WMOP must demonstrate, through commitments and detailed planning, that all wetlands and wetland functions lost or altered as a result of the project through all phases of construction, operation and decommissioning, have been compensated for at an appropriate offset ratio. The current plan does not include the commitments previously recommended and while the offsets in year -2 are expected to have a ratio of 3.2 (offset:loss) the overall offsetting for the entire Project is 0.6. This offsetting ratio does not follow the guidance in the Operational Framework for Use of Conservation Allowances as outlined in Federal Condition 5.3 and will not achieve no net loss of wetland functions. ECCC maintains that the WMOP should clarify the commitments to compensate for all effects to wetlands in alignment with the principles outlined in the federal guidelines: Operation Framework for Use of Conservation Allowances, to enable meeting the objective of no net loss. This includes, but is not limited to, the following key criteria: 1) Compensation for both direct and indirect effects, at a minimum 2:1 ratio; 2) Establishment of performance standards for wetland habitat function; 3) Adherence to the mitigation hierarchy for wetland compensation, including: a) prioritize wetland restoration over enhancement and wetland enhancement over creation b) compensation occurring as close to the proposed Project as feasible; 4) Compensation for equivalent function will be prioritized, including consideration of effects to migratory birds and species at risk; and, 5) Development of a follow-up program to determine the effectiveness of wetland compensation and verify the conclusions of the EA, including: a) development of adaptive management measures, as needed b) annual monitoring by a qualified professional for a minimum of five years and until established performance standards are met.	The WMOP was updated with baseline data collected in 2022 to better identify the amount of wetlands affected by the project and wetland offsetting activities at Mathews Creek Ranch offsetting site. The March 2024 update to the WMOP has additionally been updated to address indirect losses in wetland function for wetlands partially lost or nearby Project infrastructure as described in Section 7.4.1, specifically Section 7.4.1.1. Updated maps of predicted impacts to wetlands and associated direct and indirect loss in wetland function can be found in Appendix L and Appendix M. Monitoring (Section 10) will be used to assess Project indirect impacts on wetland to verify mitigation effectiveness and evaluate loss in wetland function. Mitigation measures are described in Section 8 and Appendix P. Wildlife and wildlife habitat are managed under the wildlife plan. If mitigation measures are not successful, then functional losses will need to be considered and adaptively managed. BW Gold is committed to: 1) Compensation for residual effects to wetlands at a minimum 2:1 ratio; 2) Establishment of performance standards for wetland habitat function; 3) Adherence to the mitigation hierarchy for wetland compensation, ; 4) Compensation for equivalent function; and, 5) Development of a follow-up program to determine the effectiveness of wetland compensation and verify the conclusions of the EA.
W121*	Nov 5, 2021	ECCC	Table		Page 10-3		Wetland Balance	"Hydraulically connected or adjacent wetlands are not considered in the wetland balance as the implementation of mitigation measures are expected to prevent loss to wetland function and extent." This project will include barriers to movement for wildlife, both perceived and physical. This should be considered and incorporated into the compensation plan, specifically as it relates to an indirect loss of function. With regard to the above statement, how does the plan consider and mitigate for indirect effects on wildlife including loss of and access to habitat. How has the potential for the remaining wetlands to function as an ecological sink been considered in the plan? ECCC requests additional information on how this will be mitigated, monitored, and compensated.	Mitigation measures are described in Section 8 and Appendix P. Wildlife and wildlife habitat are managed under the wildlife plan. The offsetting approach has used a class/area approach where like for like amounts of each wetland class will be required to offset the corresponding functions. The March 2024 update to the WMOP has been updated to address indirect losses in wetland function for wetlands partially lost or nearby Project infrastructure as described in Section 7.4.1, specifically Section 7.4.1.1. Updated maps of predicted impacts to wetlands and associated direct and indirect loss in wetland function can be found in Appendix L and Appendix M. Monitoring (Section 10) will be used to assess Project indirect impacts on wetland to verify mitigation effectiveness and evaluate loss in wetland function. If mitigation measures are not successful, then functional losses will need to be considered and adaptively managed.

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179	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl			General Comment	Who is going to be the implementer? ERM? Other consultants? I struggle to see how this document could be handed to a consultant and result in successful implementation of a WMOP	BWG is the implementer as they hold the responsibility under the EAC. This document is not currently able to be implemented because it contains considerable background information necessary to explain the how's and why's of the approach. A refined, operational version or supplemental plan will be drafted to ensure that the plan reasonable to implement and submitted to the EAO and Nations.
180	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl			General Comment	The Dykam site is at best proposed at this time and should be discussed as such.	Acknowledged. Clarification text has been added throughout the report to clarify Dykam as a prosposed site. Section 7.1.4 Dykam Ranch Offsetting Site indicates that conversations with the private landowner of Dykam Ranch to secure opportunities for conversation and enhancement only. Section 9.4 Dykam Ranch Offsetting Site also states that BW Gold is currently in the final document registry formalities phase of negotiations with the landowner for conservation of Dykam Ranch, which includes approximately 250 ha of minimally disturbed wetlands. Per EAO direction (letter received February 14, 2023) BW Gold will engage in further consultation with Nations to continue to evaluate Dykam Ranch as an offsetting option.
181	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.1.2		Mathews Creek Ranch	the total area is used as the offset area is 224.98 ha which is the entire study area, the 2022 baseline mapping sugggest that may not be an accurate description of the potential for restoration and offset gains. This discrepancy needs to be addressed and the description of the potential restoration gains of the offset need to be accurately described not pooled.	Clarification text has been added to Section 7.1.2 Mathews Creek Ranch Offsetting Site. In summary, 224.98 ha is the area of wetlands in the MCR. Forests, floodplains, fishponds, and anything else that didn't strictly qualify as a wetland was removed from this area. The total area of Mathews Creek wetlands that were mapped (including outside of the MCR) is 268.34 ha (not used in the calculations).
182	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Figure 7.1-1		Baseline data	Why were the 2013 and 2017 sites not revisited since perimeters and wetland areas were not collected in these years?	Section 7.1.1 Project Area identifies that in 2022, further wetland baseline studies were conducted throughout and adjacent the CPD Boundary to meet Project-specific EAC and DS conditions, including detailed (i.e., 1:5,000 scale) mapping of wetland extent, wetland classification, identification of red- and blue-listed wetlands, and an assessment of wetland function. This included areas previously mapped in the mine site area (2013) and TL (2017).
183	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Figure 7.1-2		Baseline data	Evidence of disturbance implies that this is the extent of the restoration opportunity. This is the only place where this information is provided in the document. This is not 224.98 ha and should have an influence on all subsequent calculations and planning.	This has been clarified with updates to Figure 7.1-2 Mathews Creek Ranch Baseline Wetland Survey (2022) (BLW-22-048). The "Evidence of Disturbance" layer does not coincide with the Zone C disturbance footprint (does not extend to the western-most drainage ditches) and has been altered using a desktop assessment of available aerial imagery to identify areas of human disturbance. This area is not the extent of the restoration opportunity.
184	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.1.3		Dykam Ranch	The conversations around Dykam Ranch have occurred without the concept of using the ranch as an offsett being accepted. The lack of sufficient data collections to assess the restoration and offset potential results in the same issues that have been identified in earlier drafts	Acknowledged Section 9.4 Dykam Ranch Offsetting Site identifies that Dykam Ranch was selected as an offsetting site and that it has planned enhancement activities. The area was classified, mapped, and its function was assessed in the same manner as the wetland complex at the MCR offsetting site, although through more visual than ground plots. Section 7.1.4 Dykam Ranch Offsetting Site also identified that BW Gold legally formalized a set of agreements including a statutory right of way (SROW) and license agreement with the ranch's private landowner to secure opportunities for conversation and enhancement of the Dykam Ranch wetland complex. BW Gold is currently in the final document registry formalities phase of negotiations with the landowner for conservation of Dykam Ranch, which includes approximately 250 ha of minimally disturbed wetlands. Planned restoration/enhancement activities include the five bullet points listed in this section. Per EAO direction (letter received February 14, 2023) BW Gold will engage in further consultation with Nations to continue to evaluate Dykam Ranch as an offsetting option.

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185	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2		Wetlands Baseline	Are the specific spatial locations points or shapes?	All wetlands were delineated using desktop and or field data, with the wetland survey locations being recorded as point data within each surveyed wetland.
186	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2		General Comment	Mackenzie & Moran 2004 is a guide to describing wetlands, broad consideration of the ecological function is included but I am not sure that this would provide the reference for determining functional loss.	Section 10.4.1 Methodology Guidance also indicates other sources used to determine functional loss including Hanson et al. 2008, Fletcher et al. 2018, and Bond et al. 1992. Each of these resources were used in the construction of the function rubric, each filling gaps in knowledge within the others.
187	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2		Implemetation	Sediment control measures needed to be be clearly linked to the SEPSCP and managed as part of the SEPSCP. If it was not then what is the point of the SEPSCP?	Acknowledged Section 9.2.3 Zone B - Hay Field Pastureland and Section 7.2 Pre-Construction Surveys reference the SEPSCP in the restoration prescription for specific mitigations that may apply to the MCR.
188	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.1		Baseline data	Detailed wetland mapping was not done in the proposed Dykam Ranch site as indicated in section 7	Figure 7.1-3 Dykam Ranch Wetland used wetland mapping similar to Figure 7.1-2 Mathews Creek Ranch Baseline Wetland Survey (2022) using the class of wetland in the each wetland complex. All wetland data was received from Ecologic. We have confirmed with the GIS team that Dykam, mine site, and MCR were all mapped the same.
189	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.1		Baseline data	The spatial component size and area is indicated in 7.3.2 to be remote sensing. Was on the ground mapping done? Was on the ground mapping used to update area information for the individual wetlands? Was this used to update mapping outputs?	There is no mention of remote sensing in the WMOP. All desk-based wetland mapping was verified and adjusted using field observations and assessment results.
190	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.2		Baseline data	Please include the months where the field data collections were undertaken	Months included in Appendix D: Wetland Baseline Sampling and Function Assessment Methodology completed in 2011, 2012, 2013, and 2017. Section 7.2 Pre-Construction Surveys include months for 2022 between June and August.
191	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.2		Baseline data	Provide the reference for the provincial protocol used to determine and assess disturbance in wetlands.	1) BC MOFR and BC MOE. 2010. Field Manual for Describing Terrestrial Ecosystems. 2nd Edition. Victoria, British Columbia. Land Manag. Handb. No. 25. 2) B.C. Wildlife Federation and B.C. Ministry of Forests, Range, Natural Resource Operations and Rural Development. 2022. Technical Guidance Document for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation). Forest and Range Evaluation Program, B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development, Victoria, B.C. References have been added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology
192	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.2		Baseline data	Were site diagrams digitized and used to update maps and other spatial outputs?	No site diagrams were digitized in the WMOP.

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193	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.2		Baseline data	Define "enough full plots"	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology states visual plots were used to perform quick assessments of wetlands or other ecosystem types that are readily identifiable in the field. These plots were only used after enough full plots had been completed to accurately describe the ecosystem type, with the purpose being to cover more ground and ground truth as many mapped polygons as possible. Enough indicated that a sufficient sample size was used to obtain representative data for each wetland class. Also considering the scale of the project, visual samples were deemed the most efficient, while provided required data (EcoLogic). Additional clarification text also added to Appendix D.
194	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.2		Baseline data	Additional clarity is needed. Polygon should be defined. Additional wetland polygons were discovered? This indicates that the VRI/TEM/LiDAR information is not sufficient to spatially deliniate and describe wetlands and wetland locations. What was the target number of full plots per polygon, were full plots done in each polygon.	Mapped wetland polygons are defined to wetland class (Wb, Wf, Ws, Wm) as shown in Figure 7.1-2: Mathews Creek Ranch Baseline Wetland Surveys (2022) (BLW-22-057a) and in further detail in Figure 9.2-3 Mathews Creek Ranch Offsetting Zones A & B (BLW-22-059b). If a previously unmapped wetland was observed on site while conducting 2022 surveys, the wetland was recorded, surveyed, delineated, and added to the wetland mapping. VRI/TEM/LiDAR are all extremely useful preliminary desktop resources used to identify potential wetlands, however, not all information is ground truthed or updated with changes in the ecosystem. Therefore, field staff were sent to confirm these potential wetlands and confirm their class, delineation, and any other useful information to determine inflows and outflows. Full plots were not done in each polygon. Out of the 204 wetland polygons in the Mathews Creek Area, 20 full plots were completed (<10%). The target number of full plots per polygon was to gather sufficient data to provide representative information for each wetland class in the area. There was no specific number or ratio of full plots targeted. Additional information was added in the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
195	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.2		Baseline data	describe other subjects deemed important	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology states additional photos were obtained of the soil profile (auger core), vegetation communities, wildlife evidence, and other subjects that are deemed important. This may include: -slope and aspect -examples of the site association -rare plant species or species unable to provide a voucher specimen for -vegetation ID and coverage -anthropogenic influences -timber quality -vegetation density to establish proper equipment for future surveying/monitoring or construction Clarification text was also added to this section for clarification.

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196	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.3		Baseline data	How was the field delineation of wetlands used to update the mapping?	Provincial protocols for ecosystem mapping and field verification were used. All plot data was collected using the ESRI Survey123 app, and the ESRI Field Maps app was used for mapping. Field surveys were completed in 2012, 2013, 2017, and 2022 to ensure surveys of the entire mine site were completed. This information was updated as new surveys were conducted. Mapping was completed in 2017 of the mine site and transmission line. Ecologic then revised that mapping by doing terrain and ecosystem mapping using stereo imagery as per government methodology. Wetlands where then field checked to confirm classification and spatial accuracy in the summer of 2022. The field data were used to inform the final mapping product that was used for the offsetting plans (Ecologic) Appendix D: Wetland Baseline Sampling and Function Assessment Methodology indicated that an updated and more comprehensive field survey of wetland resources was conducted in July and August 2022 based on a co-authored request-for-proposal that was developed by BW Gold, LDN, and UFN. These more recent and more comprehensive results are used in this updated version of the WMOP.
197	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.3		Baseline data	There apperss to be an issue with scale and the use of appropriate tools to achieve mapping outputs at scales meaningful to wetland management, monitoring and offsetting.	Mapping scales are sufficient for mapping at 1:5,000, per the RFP that EcoLogic carried out.
198	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.3		Baseline data	How will visual assessments inform adaptive management. Is the data that a visual assessment provide have the specific details that will allow future monitoring to detect change and impacts to wetlands?	Visual assessment, using FS1333 data sheet to confirm select ecosystem data without invasive methods including: - Ground Inspections - Site Series call with supporting information for audit - Ground Call - Site Series call with minimal supporting information - Site Notes - ad hoc ecological site notes - Other ecosystem-related data collection purposes such as species collections, bioterrain typing, non-timber forest product quality evaluations, etc. Full assessments, using FS882 data sheet to complete a full assessment including: - Full ecosystem plots - Ecosystem plots with full site information and full species lists but reduced soils information - Ecosystem plots where soils and terrain information is high priority - Plots intended to be included in ecosystem classification Visual assessments were only used once sufficient ground (or full) plots were completed. Visual assessments are therefore building on ground plot data and are not solely used in monitoring or management.
199	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4		Baseline data	LiDAR extent, and the error for air photo and LiDAR need to be provided. sample sized etc.	Acknowledged. Information extracted from LiDar or any other raw spatial data can be found in the appendices or figures provided throughout the report.

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200	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4		Baseline data	A experienced botanist checked a provided species list to confirm species at risk? Please explain how this links to on the ground species identification since this is describing identifying species at risk from a list.	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology states that an experienced botanist performed QA/QC of species lists to confirm the identification of any potential species at risk. The BC CDC continually alters listed species at risk and changes in species taxonomy and ecological community classifications based on the most recent scientific data and information available. This includes provincial, federal, and global rankings. Species may increase or decrease in rankings as the list is updated every few years (most recent 2022). As taxonomy changes, the scientific name of the plant may differ from what was previously listed as the same species. An experienced botanist is able to make the distinction between rare, potential rare, previously listed, and listed species.
201	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4		Baseline data	This an assessment for the purpose of delineating wetlands for an offsetting program post destruction. Accurate mapping of wetland extent is needed, this has been brought up and noted as a requirement. given that there are apparently wetlands that were surveyed when traversing between polygons the method for mapping from air photos and lidar is inadequate.	The use of air photos and LiDAR is an excellent starting point, and is required considering the size of the project area. This is also why the visual assessments were completed for >90% of the wetland surveys. This preliminary step is required to gain a sense of the potential for wetland occurrence and extent in the area and supported efficient data collection. Data to support mapping at a 1:5,000 scale was required per the RFP. For ecosystem mapping in BC, this is the most detailed scale of mapping (see TEM RIC standard).
202	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4		Baseline data	Is the use of a generic forest centric wildlife assessment appropriate for wetlands?	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology states that wildlife assessments, using the standard wildlife habitat assessment, tree attributes, and coarse woody debris forms (BC MOF and MOE 2010), required the development of targeted species and life requisites. These assessments were completed for a limited number of representative wetlands containing trees, rather than every wetland that was sampled. This section also identifies that not all wetlands are absent of trees or tree cover. Swamps are nutrient-rich wetland ecosystems where significant groundwater inflow, periodic surface aeration, and/or elevated microsites allows growth of large trees or tall shrubs under subhydric conditions. Many wildlife species do rely on trees and are able to be captured in this assessment.
203	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4		Baseline data	The information provided indicated that the QC on vegetation was checking the vegetation list provided to the experienced botanist. Complete vegetation inventories tend to require site visits in early, mid and late growing seasons. these are single site visits. I would guess that this statement is not correct.	Intensity depends on professional judgement, feasibility, and what is required to fulfill the objectives, length of the growing season, and the ecosystem. Wetland surveys were conducted July-August 2011, 2012, and 2013 which is within the growing season where most species would be the most visible.
204	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.1		Baseline data	How is the ground water modeling considered in the wetland hydrological function assessment and monitoring?	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology states that hydrological function relates to the contribution of the wetland to the flow of surface water and groundwater in the area of interest. The HGM classification system places the wetland in the context of the larger watershed system. Based on the wetland piezometer monitoring results, an assessment of the baseline wetland hydroperiod for each of the selected wetlands will be conducted. Section 10.1 Monitoring Objectives states that to date, 19 wetlands of five different classes have been identified as part of the long-term monitoring of wetland function within and adjacent to the Project Area. These wetlands have been surveyed and have had shallow groundwater wells and piezometers installed with continuous data loggers to seamlessly monitor hydrologic function as the landscape surrounding these wetlands change as a result of Project construction.

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205	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.1		Baseline data	HGM - As a classification this is interesting as part of a ranking system of value how would this contribute? Is there a assessment of impact to the hydrological process that would inform an assessment of impact? An assessment of impact to connectivity and potential restoration or recovery action?	HGM is a wetland function that provides specific values, as detailed in Hanson et al. 2008 and MacKenzie and Moran 2004. For example, sites of a fluvial HGM - associated with flowing water and subject to flooding, erosion and sedimentation (i.e., Mathews Creek Ranch) provide water flow moderation, erosion protection, and carbon sequestration.
206	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.1		Baseline data	Hydrological monitoring sites - why were the sites selected, will they reflect the impacts to all the wetlands? This is not a general study but is to determine specific impacts for the purpose of offsetting. Monitoring sites should be distributed among the wetlands to obtain base line data in all the wetlands predicted to be impacted. Base line should be collected for the wetlands that are project to be impacted and there should be more than one season of data to account for annual variation.	The hydrological monitoring was implemented at wetlands within the Project Area but that would not be physically affected by the Project. This was done to determine if changes to hydrological conditions on the mine site would affect wetlands adjacent to development and to verify the assumptions of the EA.
207	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.2		Baseline data	As described it is unlikely that these methods could be followed and replicated. They need to be re written in a manner that can be followed and actually describe what was done.	Acknowledged. A refined, operational version or supplemental plan will be drafted to ensure that the plan reasonable to implement and submitted to the EAO and Nations.
208	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.2		Baseline data	How were wetlands carbon storage identification done? As written this "method" is a statement not a method.	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology lists the steps undertaken to perform a carbon storage assessment.
209	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.2		Baseline data	How were fen and bog associatoins that contain substantial peat identified (was this strictly information pulled out of M&M 2004)? As written this "method" is a statement not a method.	MacKenzie and Moran 2004 indicates the variable depth ranges of peat for each site association.
210	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.2		Baseline data	Total Peat Stored in Wetlands - how was this done? How were wetland basins modeled, How was peat considered, How was the peat modeled, how was carbon storage by these wetlands determined, was it determined?	Appendix D: Wetland Baseline Sampling and Function Assessment Methodology lists the steps undertaken to perform a carbon storage assessment.
211	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.3		Baseline data	This indicates that the extent and area of wetlands has been determined through remote sensing and photo interpolation. Did the field assessments not include wetland perimeter mapping?	This has been misinterpreted. The statement indicates that wetland size was calculated using ArcMap, following the collection of field data. Mapping was completed in 2017 of the mine site and transmission line. Ecologic then revised that mapping by doing terrain and ecosystem mapping using stereo imagery as per government methodology. Wetlands where then field checked to confirm classification and spatial accuracy in the summer of 2022. The field data were used to inform the final mapping product that was used for the offsetting plans (Ecologic).

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212	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.2.4.3		Baseline data	Potentially occuring wildlife species - The utility of this may be very low. There is little indication that the study plan for detecting the focal "species" in 7.3.2 was developed or that a rigorous sampling plan was implemented. List 7.3.2 would require multiple visits and directed monitoring to collect data of use . "detected" use requires an understanding of detection probabilities, and required sampling efforts for each of the "species" in 7.3.2.	Acknowledged. Baseline data collection for wildlife use was not the primary focus of this assessment. All wetlands were assigned the highest rubric value for wildlife habitat value in lieu of multiple studies to confirm presence/absence. The position in this WMOP on wildlife habitat (see Appendix D: Wetland Baseline Sampling and Function Assessment Methodology) is that wetlands provide valuable wildlife habitat, regardless of survey results for presence/absence. Thus, the highest ranking value in the rubric was assigned for all wetlands.
213	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Table 7.3.1		Baseline data	More listed wetlands are lost than occur at proposed offset sites, how is this impact contributing to offsets?	This table does not reference the size or number of wetlands within the BEC subzones, but that listed wetlands from the BC CDC exist within these subzones. Appendix D: Wetland Baseline Sampling and Function Assessment Methodology states that the presence of listed wetlands within the Project Area was assessed during the 2022 baseline field surveys. The functions of all wetlands affected by the Project were identified and the restoration plan for MCR was designed to offset the functions provided by wetlands.
214	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.3.2		Baseline data	What was the sampling intensity and surveys that were used to detect focal species and species groups?	Wildlife observations were recorded as incidental, no targeted surveys were completed. Evidence of wildlife use was recorded per the BC standard on the FS882 forms (see Appendix O Wetland Monitoring Supporting Information and Field Forms). Baseline data collection for wildlife use was not the primary focus of this assessment. All wetlands were assigned the highest rubric value for wildlife habitat value in lieu of multiple studies to confirm presence/absence. The position in this WMOP on wildlife habitat (see Appendix D: Wetland Baseline Sampling and Function Assessment Methodology) is that wetlands provide valuable wildlife habitat, regardless of survey results for presence/absence. Thus, the highest ranking value in the rubric was assigned for all wetlands.
215	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.4		Baseline data	From what I can gather the information provided does not support the assumption that MCR and Dykam ranch are "heavily degraded. Does data exist that supports this assumption?	The use of the term "heavily degraded" has been taken out of context. The use of this term in the WMOP refers to large wetland complexes containing all five wetland classes within the greater landscape - not specific to the condition of MCR or Dykam. MCR is degraded, as described in Section 9.2 Mathews Creek Ranh Offsetting Site, and includes such anthropogenic disturbances as fencing, agronomic species, invasive plant species, and artificial drainage. Dykam has minor degradation that includes cattle use/trampling that is proposed to be reversed through restoration work.
216	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Table 7.4-1		Baseline data	the impacts of fish offsetting on wetlands are not accounted for in this table.	Acknowledged. The fish ponds and stream at the MCR were removed from the MCR wetland area. Fish ponds were excluded from wetland loss and gain calculations, since the areas of fish ponds were agricultural lands at the time of purchase in 2013. Fish ponds are discussed in further detail in the 2021 Palmer Fish Habitat Offsetting Plan.
217	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	7.4		Baseline data	How are the wetlands that are not described in M&M 2004 being considered?	Wetlands were first identified and described using the Canadian System of Wetland Classification on which M&M 2004 is built. Specifically, the attributes for each wetland class (bog, fen, marsh, swamp, and shallow open water) were identified using the epitaphic grid (M&M 2004). Floristic differences were described following M&M 2004. Where specific associations were observed that did not fit an association described by M&M 2004 generic floristic descriptions were layered on the observed wetland class.

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218	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8.1		Rubric	the scoring appears to rank wetlands against each other indicating differences in the value of wetlands of different types. I still do not see how this tool will allow for evaluation of change in wetlands or account for offsetting. Prior to this being accepted there needs to be a session to understand the data going into the model, the mathematic models and assumptions, and how the model manipulates the data.	The ranking of wetlands is not done between wetland classes (e.g., Wb vs. Wf), rather within. Ranking within a class (e.g., Wb) allows for the identification of pristine wetlands (perfect score for all functions and associated values) and degraded wetlands, and affords values for a wide range of degradation (e.g., slightly vs. heavily degraded). The higher the wetland function score, the less degradation was observed, and vice-versa. All examples are provided as appendices.
219	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8.1		Rubric	Based on the ranking scales how is small incremental change able to be assessed? What is the range of potential values per ha of wetland? Why does HGM ans HDI ranking matter for assessing functional wetlands since different wetland types provide different ecological and hydrological functions?	Small incremental changes will be assessed/observed through detailed field data collection throughout the life of the Project (see Section 10 Monitoring). The range of potential values for each wetland class are as follows: - Wb: 17-32 - Wf: 13-34 - Wm: 13-35 - Ws: 12-36 - Ww: 12-34 HDM and HDI provide variable ranking for such values as water flow moderation, groundwater recharge, erosion protection, water quality treatment, nutrient and organic export.
220	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8.2.2		Rubric	Summing FA - This may be a problem as there has been a value judgment made on the wetlands based on their classification in 8.2. Wetlands have different functions, and the variables that are being used to asses functions are probably reasonable between like wetlands but the pooling assessing has the potential influencing the values of wetlands since the comparisons has already applied differing relative values based on wetland type. Given that the majority of wetlands are not assessed and the scores are calculated some how this is additional diluting of information and likely further masks that ability of the information to be useful in assessing impacts or gains.	Appendix I Wetlands Function Rubric and Function Calculation Spreadsheet (Score Card) provides the wetland function accounting framework used for the WMOP. Value is determined through incorporation of relevant field data based on standard functional assessment, and assessed through the rubric. A dilution of information may be interpreted through the conversion of field data to a numerical value score. This approach attempts to reduce as much user bias as possible. There is no further dilution by summing FA.
221	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8.2.3		Offsetting	The assumption that the operation ranch (base line for starting point) is one of severe degradation or no wetland funcion does not appear to be based in reality or derived from the existing data	The impacts of agriculture are documented in field work gathered evidence and aerial photo analysis showing grazing, crop production, and artificial drainage. These influences have resulted in lower water tables, altered vegetation, soil rutting, and erosion of riparian areas. This is referenced in Appendix D: Wetland Baseline Sampling and Function Assessment Methodology, and Section 9.2.2, 9.2.3, 9.2.4. The historical wetland function is the assumed degraded wetland function of the fully operational ranch at the time of purchase in 2013. In the absence of field data for the historically degraded wetlands, the minimum 2022 baseline Function Score for each wetland class at the Mathews Creek Ranch offsetting site is assumed (e.g., minimum recorded in 2022 ranged from 25-30 FS). This assumption is based on the fact that the land was used for ranching, as evidence of it still exists, and based on regional observations of wetlands that have been converted to agricultural production (e.g., immediately opposite Dykam ranch). This represents a fair, conservative estimate of an unknown past state considering MCR was drained and hayed.

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222	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8.2.3		Offsetting	The assumption that the lowest possible score should be applied to the MCR as a starting point does not appear to be based in reality or derived from the existing data.	See comment response above. The lowest functional value score does not assume no function, nor does it assume entire wetland loss.
223	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8.2.4		Offsetting	Assumptions - there needs to be a more analytical method to determine time = 0 MCR wetland function. The assumption that is is the lowest score possible does not work. There are degrees of disturbance in the area and none of it appeared to be total wetland loss. The model as written to maximize gains for the offset. The lowest score should be for total wetland loss (function and area) which never occured at MCR.	See comment response above. The lowest functional value score does not assume no function, nor does it assume entire wetland loss. Total wetland loss would have a functional area of 0. Instead, the minimum 2022 baseline Function Score for each wetland class at the Mathews Creek Ranch offsetting site is assigned (e.g., minimum recorded in 2022 ranged from 25-30 FS).
224	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Appendix I			approximatly 100 sites were assessed, 600 total, non assessed sites were given a calculated value in the rubric?	Non assessed sites were given an *estimated* value based on the calculated average for a wetland of that class. They were not calculated using the rubric. For example, for swamps, the average function score for all swamps that were assessed would be taken, and assigned to the unassessed swamp.
225	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	9.1		Mitigation	MT 3-1 culverts should drain or restrict flows period. Not just during construction. This would be consistant with provincial regulations and guidance.	Culvert use will be consistent with provincial guidance and best management practices.
226	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	9.1		Mitigation	There are several mitigation measures that have additional plans related to them. This table needs to be reviewed and the relevant BW Gold plans (EA and Major Mines) added to the relevant mitigations to ensure compliance and consistancy. Connection to permit conditions should also be included.	Acknowledged. Additional information has been added to the Appendix P Wetlands Mitigation and Management Measures.
227	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	9.1		Mitigation	Does this connect to the restoration plans for wetlands? Is there a clear linkage identified to ensure monitoring is appropriate and can be used in an adaptive management framework?	Wetland specific monitoring is provided in Section 10 Monitoring. Other mitigations in this section are Project-general mitigations as derived from other site-specific management plans and relate to the construction works planned for Mathews Creek Ranch.
228	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	9.1		Mitigation	there is reference to the high water mark of wetlands but there is no line item where the HWM or wetland perimeter is marked. How will this be determined and layed out prior to works?	Section 8 Mitigation and Management Measures states "BW Gold will follow DS Condition 5.2 to maintain, during construction and operation, a 30 m buffer of undisturbed vegetation around wetlands located within the mine site, excluding activities required to construct project components. Work or activity within the 30 m buffer will only occur to the extent necessary for safety reasons, to control invasive plants, or install and maintain erosion and sediment runoff control measures."
229	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	9.1		Mitigation	MT 3-10 if the soild disturbance is not necissary why is it being minimized ?	This is a requirement from Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia (Cox and Cullington 2009). Soil disturbance can be a result of ditching, removing agronomic species, stockpiling, constructing fish ponds, etc.

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230	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10		General Comment	EA criteria 3 as writtent in this document indicates multiple functions and associated values - consider the homogeneity of the proposed offset locations	Acknowledged
231	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10		Offsetting	The potential areas of caribou road restoration have been provided to Artemis and could inform the benefit to wetlands and offsetting conversation.	Acknowledged and included in this updated 2024 version of the WMOP.
232	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10		General Comment	Dykam ranch has been described as 250 ha minimally disturbed	Acknowledged. Section 9.4 Dykam Ranch Offsetting Site states that 250 hectares is the approximate size of the wetland complex within Dykam Ranch and that it is a prime candidate for conservation due to the potential threat of agricultural expansion for pastureland.
233	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10		General Comment	It appears BW goald has selected "securment" and pasive restoration over active restoration, over wetland enhancement, over wetland creation. It makes observable benefit or no net loss difficult to observe. The incremental gains and potential gains are unknown and so far the rubric does not appear to be able to address this question.	From Section 9.4 Dykam Ranch Offsetting Site: "Conservation, and primarily enhancement, of wetlands is second on the hierarchy of wetland offsetting options specified in Condition 5.4 of the DS for the Project. In addition, conservation is aligned with the Federal Policy on Wetland Conservation in that it supports improved environmental quality through planned, comprehensive protection of functioning wetlands (EC 1996), and, in the case of Dykam Ranch, preserves a threatened wetland complex that is currently associated with highly valuable habitat for species of concern such as moose and grizzly bear. Conservation and enhancement activities proposed for the Dykam Ranch offsetting site would directly address the selection of potential offsets that would provide additional habitat for grizzly bear and moose as required by Condition 24(f) in EAC #M19 01. Conservation of the wetland complex at Dykam Ranch is timely because the property, under grazing land use classification, is under threat from ranching and agricultural activities. The owner of Dykam Ranch, Doug Short, has further indicated that neighboring property owners have approached him about selling the property so they can expand their ranching operations. Should Dykam Ranch be stocked by cattle, wetlands would be degraded, similar to the conditions observed at the Mathews Creek Ranch wetland complex prior to 2013. Further, the EAC and DS approved a transmission line routing which passes just north of the private land parcel containing the Dykam Ranch offsetting site. The transmission line routing, as approved, would pass through the northern portion of the wetland complex. BW Gold has actively avoided routing its transmission line in this location, but it remains that BC and Canada authorized the transmission line to pass through this wetland complex which demonstrates the ongoing threat to the complex from land use decisions."
234	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10		Offsetting	The offset needs to reflect the impact on wetlands not the life of the mine	Acknowledged. Additional text has been added in Section 8 Mitigation and Management Measures.
235	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10		Baseline data	Section 7 does not refine offsetting objectives, approaches and accounting.	Acknowledged. Additional text has been added to Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.

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236	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2		General Comment	It appears BW goald has selected "securment" and pasive restoration over active restoration, over wetland enhancement, over wetland creation. It makes observable benefit or no net loss difficult to observe. The incremental gains and potential gains are unknown, the assumptions driving the calculations lack supporting data and have been set to maximize the values gained by setting the starting points as low as possible in the rubric.	The historical value of MCR was set as low as possible while still maintaining that it was a functioning wetland as discussed in other comment responses preceding this one. All other wetland values (mine site, current MCR and Dykam) are reflective of current status/functional value as these conversions are based on data collected in 2022.
237	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.1		General Comment	the considerable opportunities for restoration lack the baseline data connections for them to be assessed. The 50 years of beaver trapping is an interesting observation.	Acknowledged. Where restoration will occur (e.g., in the degraded areas of wetland at MCR) there is sufficient field data to observe recovery following the removal of agronomic species, for example.
238	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.1		Baseline data	the assertion of substantial degradation has not been described and connected to the data in a tangible way	Acknowledged. Additional text has been added to Section 9.2 Mathews Creek Ranch Offsetting Site
239	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.1		Offsetting	The primary goals of the wetland restoration at MCR are not reflected in how the Rubric has been used to calculate function.	Acknowledged. The rubric's parameters of hydrodynamic and hydrogeomorphic aspect cannot be changed, however, wildlife and ecosystem habitat function can be altered by the applied prescription. Section 9.2 Mathews Creek Ranch Offsetting Site continues to support the removal of agricultural practices, restore water quality and quantity, increase shallow water habitat , and restore native vegetation to improve ecological and wildlife habitat function.
240	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Figure 10.2 -2		Baseline data	this needs to be linked to the ecological assessments indicated in figure 7.1.2. given that 7.1.2 indicated only a portion of the wetlands had detectable impacts I am curious as to how the entire complex is contributing to the offsetting . This information needs to reflect the baseline and there is additional wetland cost associated with fish compensation, and likely impacts to the existing wetlands by the implementation of the fish compensation works.	Figure 9.2-2 Mathews Creek Ranch Offsetting Zones is intended to show areas of MCR where types of restoration activities will be undertaken irrespective of the types of wetlands at that location. For example the focus on Zone C is to naturally restore wetland hydrology whereas Zone B is to re-vegetate agricultural areas. Fish offsetting restoration areas are not included in the wetland offsetting area.
241	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.3		Baseline data	How were the data collected and analyzed to quantify the improvement? How was nutrient load measured and analyzed? how was the improvement to water quality quantified? how has bank stability been assessed and measured?	Improvements will be based on functional area scores as described in Section 9.7 Wetland Offsetting Accounting. Monitoring methods including those for bank stability, nutrient loading, and water quality are included in the standard reference material, specifically: Field Supplement to Evaluating the Condition of Wetlands (Fletcher et.al. 2018)
242	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.3		Wetlands offsetting plan	This is not a prescription or a well thought out linear plan to achieve a clearly defined goal. There are several stand alone concepts in this section that could be developed into prescriptions. There is a lack of spatial consideration in the plan, large areas are looked at but the data collected to refine the baseline for MCR should have been included in this section to inform possible actions identify potential gains, and provide for adaptive management based on the intervention and the intended outcome.	Acknowledged. Prescriptions have been updated and are discussed in Section 9.2 Mathews Creek Ranch Offsetting Site. A refined, operational version or supplemental plan will be drafted to ensure that the plan is reasonable to implement and submitted to the EAO and Nations.

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243	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.3		General Comment	The "Actions" should be actions. Goals and Objectives should be separate.	Acknowledged. Prescriptions have been reorganized and are discussed in Section 9.2 Mathews Creek Ranch Offsetting Site.
244	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.3		General Comment	The Restoration Prescriptions need to be site specific and detailed. Prescriptions need to relate to the Actions, and need to meet the Goals and objectives.	Acknowledged. Prescriptions have been updated and are discussed in Section 9.2 Mathews Creek Ranch Offsetting Site.
245	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.3		Wetlands offsetting plan	Artemis may restrict trapping on their private holdings, but not on crown land.	Acknowledged. Trapping is not encouraged at MCR and trapping pressures will be removed where possible. Section 9.2.2 Zone A - Mathews Creek Riparian Area and Fish Offsetting Ponds Indicates beaver activity will be promoted within the MCR offsetting site through removing the trapping pressure and adverse environmental implications on the landscape that existed previously (pre-2013).
246	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	11		General Comment	I do not see how the FA analysis in the Rubric allows for monitoring of the listed objectives? If this is not realating back to the Rubric why is the rubric being used and how would the projection made in the rubric be assessed?	The federal decision statement (Section 5.5.1) requires "additional" mitigation measures if red or blue-listed wetlands are affected. The WMOP includes mitigation measures for all affected wetlands because the listed wetlands were identified during pre-construction surveys as per Section 5.5.1.
247	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	8		rubric	As far as I can tell the maxim score for a wetland is 27 per ha. Mine related loss wetlands average almost 27 per ha. The current score for MCR is 27.6 per ha.projected to a maximum of 29.5 per ha. please explaine how at a simple per ha calculation fully functional natural wetland starts below the current condition of MCR, with the assumed fully degraded state for 2013 being 25.4 per ha. This indicates that there is a funtional loss of 27 per ha wetland, and a potential gain of 1.6 per ha.	Maximum wetland function score ranges from 32-36 depending on wetland class (breakdown provided in preceding comment response) and is not calculated on a per hectare basis, rather for the extent of that wetland class.
248	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	Table E-2		Baseline data	wetland baseline vegetation data seems to be an incomplete data set. Species listed by plot i.d.indicate rather low species diversity in several plots with less than 10 species recorded. Are these abreviated lists?	A baseline summary was included in the 2022 WMOP. A comprehensive baseline report has since been incorporated as Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
249	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.4		wetland offsetting plan	what was the purpose of baseline data if what was collected has not been able to be analysed and interperted in a manner that would allow understanding of "zone B"?	Baseline data here is referring to pre-disturbance conditions, hence "it is expected that much of this area would have been some combination of marsh or fen emergent grass-like wetlands".
250	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.4		citation	Robotham et al is not directly related to an onsite study. the study is in relation to ponds ability to moderate sediment and polutants. How is this referance applicable in the context it is used? As it is written this should be a study at MCR undertaken by Robotham et al that demonstrated the reverse of erosion, rutting, nutrient loading, and soil compaction impacts.	Acknowledged, reference has been removed.

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251	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.4			Please provide Ecologic Consultants Ltd. 2022b	EcoLogic Consultants Ltd. 2022b. Blackwater Gold Project Mathews Creek Channel Restoration and Enhancement Vegetation Prescriptions. Prepared for Blackwater Gold Ltd. by EcoLogic Consultants Ltd. North Vancouver, BC.
252	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.5			what was the purpose of baseline data if what was collected has not been able to be analysed and interperted in a manner that would allow understanding of "zone C"?	Baseline data here is referring to pre-disturbance conditions, as with Zone B.
253	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	10.2.6			The information in this section is the foundation for building prescriptions. If this information has yet to be collected the entirety of the offset and restoration is assumption. Why has none of this occurred in the 10 years that BW gold has owned MCR?	A restoration field survey is proposed for 2024 as detailed in Section 9.2.5 Restoration Field Survey to inform detailed restoration prescriptions. Preliminary prescriptions can be built from field data collected in 2022 based on target ecosystems.
254	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	11.3.1		monitoring	the monitoring methods must be the same as the base line methods to allow comparison and analysis. This needs to be clearly layed out at this point and direct linkages between the qustions being asked, the data being collected and the analysis.	Acknowledged. The programs will be similar and duplicative of previous work where applicable. Additional monitoring will be required as it is specific to restoration success.
255	Jan 11, 2023	WLRS	F.1 WMOP	Duncan McColl	11.7			review and discuss	The comment is noted and a refined, operational version or supplemental plan will be drafted to ensure that the plan is reasonable to implement and submitted to the EAO and Nations.
256	Jan 27, 2023			Steve, UFN/LDN	Wetland Rubrik			You fail to acknowledge two extremely important functions of wetlands in your rubrik, these are their carbon holding properties and their landscape scale functions. These two functions eclipse the other functions you have listed in your rubrik in terms of importance in termns of loss of function that will result from the destruction of these resources.	The functions selected for the rubric are those identified by Environment Canada (see Hanson et al. 2008). They were workshopped with the Nations and regulators. Carbon storage and landscape position are both elements included in the rubric (see Appendix D Wetland Baseline Sampling and Function Assessment Methodology, Table 6.1-1).
257	Jan 27, 2023			Steve, UFN/LDN	General section on functional assessment of loss			Landscape functions could possibly be offset just by using a justified value in this context (Landscale impacts = ..., offset required =) I would look to the caribou offsetting and say you are going to restore 'N' disrupted water systems (culverts ext) in the caribou offsetting area. this is an easy and logical fix to the lardge scale impacts as you would be restoring landscape function of wetlands, streams etc. Carbon offsets woud also need a solution, ideally a locallay based solution that benefits the land holders.	Details of the proposed wetland restoration in coordination with caribou offsetting is provided in Section 9.3 Capoose Caribou Offsetting Site, as well as in Section 9.7 Wetland Offsetting Accounting.

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258	Jan 27, 2023			Steve, UFN/LDN	Year 18 Footprint Overlap with Mapped Wetlands	Figure J-8		Following from my comment on the landscape scale effects of wetland loss and fragmentation this figure shows numerous wetlands, bogs and fens mostly surrounded (500m to 2000 m of footprint) by project footprint. However these wetlands are not assessed as losing function - this is not accurate can you revise your calacultions to provide some reduced function of wetlands (as well as likely impacts from being close to dust and other emissions). This should be done according to what disturbances are surrounding them.	Section 7.3 Summary of Baseline Results and Appendix D: Wetland Baseline Sampling and Function Assessment Methodology provides baseline data for wetlands within the Mine Site. Impacts to these wetlands are carried forward through the functional assessment (Section 7.4 Evaluation of Wetland Function) and wetland accounting (Section 9.7 Wetland Offsetting Accounting). Wetland function is being monitored at the Mine Site through the use of shallow groundwater piezometers (see Section 10.3.2 Offsetting Sites and Appendix D: Wetland Baseline Sampling and Function Assessment Methodology).
259	Jan 27, 2023			Tom Braumandl UFN/LDN	Wetlands Area and FA Summary	Table 10.5-1		In section 10.2.1 it is stated "Wetland offsetting activities at the MCR offsetting site (Figure 10.2-2; Table 10.2-3) will focus on restoration efforts, with the added benefits of conservation on those pieces of land private owned by BW Gold." However in Table 10.5-1 the bulk of credit for conservation at MCR comes from Crown land. How can BW justify claiming conservation credit on Crown land? Please explain. As well at Dykam Ranch areas south of the creek are presumably used in the conservation credit but these areas are presently not impacted, explain how this area should count for conservation credit.	See Section 9.7 Wetland Offsetting Accounting. Wetland offsetting ratios are expressed in units of wetland function (FA), rather than just area, in alignment with the Federal Policy on Wetland Conservation (Government of Canada 1991. To determine an inherent value of each offsetting action (e.g., restoration, enhancement, conservation), BW Gold considered the hierarchy of offsetting options (DS Condition 5.3). With the preference being wetland restoration, BW Gold assigned a 1:1 (100%) Qualifying Offset Ratio (Table 9.7-1) to the total amount of FA gained through restoration efforts. Enhancement, which occurs second in the hierarchy, was also assigned a 1:1 (100%) Qualifying Offset Ratio (Table 9.7-1). BW Gold believes that a 1:1 ratio for restoration/enhancement efforts is suitable when considering an appropriate ratio for the lower levels (e.g., creation of wetlands) within the hierarchy of offsetting options. Additionally, where wetland conservation efforts are protected through land privately held by BW Gold, BW Gold also assigned a 1:1 (100%) Qualifying Offset Ratio (e.g., privately owned sections of the Mathews Creek Ranch). Where wetland conservation efforts occur on Crown land (e.g., Crown land portions of the Mathews Creek Ranch) or land that is not privately held by BW Gold but protected under an SROW (e.g., Dykam Ranch), BW Gold assigned a 2:1 (50%) Qualifying Offset Ratio. This difference in accounting is intended to address the uncertainty in the success of conversation efforts occurring on Crown, or otherwise less protected land, and assumes that there is some certainty associated with private land ownership in terms of offering long-term protection of wetland offsetting efforts.
260	Jan 27, 2023			Muhammad	7.2.1 Field survey methods	7.2.1	Clarification	Wetland functions are usually described as hydrological, biogeochemical, habitat, and climate. Why climate function (CO2 and methane balance etc) is not included as such which is included by Hanson et al., (2008)? The same reference is used again and again in the document. Also, Hanson et al considered in depth detailed analyses for as biogeochemical function assessments and not only biochemical assessment. Also, whether or not Human Value of wetlands was considered should be highlighted.	Acknowledged. Climate attributes include only evapotranspiration rates. This was not a measured parameter included in the RFP for baseline data collection. Without data, it was not assessed. Additional information has been added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.

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261	Jan 27, 2023			Muhammad	7.2.4 Wetland Function Field Assessment	7.2.4	Question	What is the justification for not including wildlife assessments from lowland wetland habitats (marshes, shallow water, and herbaceous or shrub-dominated fens and bogs), but only from tree-based wetlands? How this kind of function assessment is sufficient and of high quality to include all aspects of foodchain (claimed in the introductory sections)? If it was targeted species assessment, then what was the rationale! Its sub-optimal and would compromise net gain and loss calculation of wetland habitat. Detailed methodology of function assessment is missing too.	The wildlife habitat assessments followed the wildlife form of the FS882 field form (see Appendix O Wetland Monitoring Supporting Information and Field Forms). Baseline data collection for wildlife use was not the primary focus of this assessment. All wetlands were assigned the highest rubric value for wildlife habitat value in lieu of multiple studies to confirm presence/absence. The position in this WMOP on wildlife habitat (see Section 9.2.3 Zone B - Hay Fields and Pastureland and Appendix D: Wetland Baseline Sampling and Function Assessment Methodology) is that wetlands provide valuable wildlife habitat, regardless of survey results for presence/absence. Thus, the highest ranking value in the rubric was assigned for all wetlands.
262	Jan 27, 2023			Muhammad	7.2.4.2 Biochemical function assessment	7.2.4.2	Question	Table 7.2-1 says water quality, nutrients, and organics were studied. However, this section is entirely about peat assessment to study carbon storage. What about other listed parameters, and their methods? How was carbon storage studied? There is no method but only objectives. Also, did you characterize peat (sapric, hemic, fibric) due to different carbon storage potential in the long run?	Biochemical function was evaluated using parameters related to wetland water quality, nutrient and organic matter export, and carbon storage, including the HGM, HDI, soil nutrient regime, soil order and soil horizons. Additional information has been added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
263	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Clarification	Two main problems with function assessments are 1) not all wetland values were considered, 2) the adopted methodology is somewhat self-established (not a standard multiplier). Although Hanson et al 2008 is cited very often, the adopted methodology doesn't align to what the source document says. Hanson et al recommends studying cycling of nutrients through a/biotic processes, which I also find highly valuable, but where this information is reported? Same goes for wetland abilities to remove elements/contaminants that purify water; where this value is considered? Then, why only "low (1)" was used as value ranking? Peatland have enormous potential to clean highly contaminated waters, for example, peat can attenuate 100,000 mg/L of COD within 30 minutes of exposure. Similar observations are made for nutrients, metals concentration, ions etc. Peatlands must be considered to have high function value, not just because of high water quality prufication aspects, but also due to the fact that they are extremely hard to replace in short time. It takes thousands of years to etablish peat based wetlands, naturally.	Acknowledged. The wetland values used are identified in the rubric is Appendix J Wetlands Function Rubric and Function Calculation Spreadsheet (Score Card). This includes hydrological function (water flow moderation, groundwater recharge, erosion protection) biochemical function (water quality treatment, carbon storage, nutrient and organic export), habitat function (species of value, wildlife use, habitat for wildlife species at risk), and ecosystem function (habitat for ecosystems at risk, ecosystem quality, and ecosystem connectivity). Not all wetland values are used and have been modified to accomodate for factors such as wetland type. For example, bogs were assigned an automatic Low (1) score for water quality treatment since they are typically disconnected from surface water and thus do not support surface water quality. The considered wetland values were also reflective of what could be reasonably measured within one field season and was altered accordingly. Methodology guides used are identified in Appendix D: Wetland Baseline Sampling and Function Assessment Methodology and include Wetland Ecological Functions Assessment: An Overview of Approaches (Hanson et al. 2008), Field Supplement to Evaluating the Condition of Wetlands (Fletcher et al. 2018), Wetland Evaluation Guide. Final Report of the Wetlands are not Wastelands Project (Bond et al. 1992), and Wetlands of British Columbia: A Guide to Identification (Mackenzie and Moran 2004). The adopted methodology at times differs from Hanson (2008). For example, Nutrient Export - Bogs are assigned "Low" automatically, but Hanson (2008) identifies that they can be "potentially high performance" the same as fens. Bogs are nutrient-poor wetlands and dont have outlets (can cite MacKenzie & Moran 2004). This is also the reason why bogs have a low nutrient value as assigned in functions. The current methodology and rubric calculations are predicted losses and gains, and will further be refined through reassessment and follow-up monitoring.

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264	Jan 27, 2023			Muhammad	9. Mitigation	9	Question	Several uncertainties in the adopted methodology, difficulties in tracking original source, and a lack of flow make the whole document difficult to follow in many places. Why no soil/substrate sample analyses were carried out to assess the health of wetlands (and to see if they can support vegetation in the future)? No Wetland Crossing Designs are mentioned, that help achieves connectivity among ecosystems. Sometimes, cited references are not an exact reflection of the claim made. Some sections are still weak in terms of condition 24 and DS 5.1-5.5. Sometimes, scientifically questionable statements/methodology is presented, e.g. ecosystem dynamics and energy flow, incomplete methodology reporting. Proposed strategies are generic or assumed and not based on scientific rigor. It is mentioned that FNs were consulted but not clearly mentioned if the consultation reached a specific conclusion (and became a reason for a particular approach selection). Wetland function evaluation is also questionable. Below I have listed key concerns/questions that I have.	Acknowledged. Section 9 Wetland Offsetting Implementation outlines that BW Gold will continue to work closely with Indigenous groups throughout the implementation of the offsetting measures listed in this plan to identify and implement additional contingency wetland restoration activities should the effectiveness monitoring results and outcomes demonstrate a future deficit in restored wetland function in order to fully offset losses to wetland functions caused by the Project. No wetland crossing designs are currently proposed.
265	Jan 27, 2023			Muhammad	10.2.1 MCR offsetting site	10.2.1	Clarification	Looks like Fens will be destroyed at MCR (map representation). Not sure why Fen will be destroyed; it has high value to good amount of peat. Did you consider that aspect?	Wetland area will be lost as a result of the fish habitat compensation project. All other degraded wetland areas are proposed to be restored.
266	Jan 27, 2023			Muhammad	10.2.1 MCR offsetting site	10.2.1	Question	MCR has a wetland complex as stated, so creating fish ponds would definitely affect groundwater (and hydrogeological) conditions; this means, new wetland features will be developed on the existing ecosystem, and it is highly possible that we lost some of the existing wetlands as well. Have you considered aspects to understand the natural potential of the watershed?	Losses in extent association with the fish habitat compensation project have been included in this assessment.
267	Jan 27, 2023			Muhammad	10.2.3 Zone B – Hay Fields and Pastureland	10.2.3	Clarification	Why baseline conditions in Zone A, Zone B, and Zone C are not well understood? It should depend on the choice of methods and level of research. This questions the usefulness of the adopted methodology which is not specific to assessing fine details related to soil health assessments. Ideally, this goal has been well-acheved if research institutes (e.g. universities) would have been included for these assessments. Did you consider that?	Baseline refers to the pre-disturbance landscape, before the wetland complex was drained for agricultural uses. It is not possible to know what this condition of the MCR was.

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268	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	10.2.3 - 10.2.5	10.2.3 - 10.2.5		The plan as proposed at Mathew Creek relies on extensive amounts of earth works. A rough conservative estimate is that 85,000m3 of soil (assuming ponds have average excavation depth of 2.5moverall and Zone B area beyond the ponds is 30,000m2 excavated at 0.5m) will need to be moved which is the equivalent of over 8,500 dump truck loads assuming 10m3 per truck!!!! This will release significant amount of greenhouse gases. Portions of the plan (ie. excavation of ponds and relocation of massive amounts of soils) make it impossible that the future state of the wetland complex will resemble the pre-anthroprogenic influence state and function (the ground will literally have changed). These are major concerns and alternatives need to be explored. From section 10.2.5 - *"...west of the off-channel ponds (see Zone A, Figure 10.2-2), where the return of beavers has resulted in a raised water table and some localized flooding. This has altered soil moisture regimes and hydrological function in the MCR wetland complex, and consequently, has promoted the return of native wetland vegetation in these areas."* Please demonstrate that an alternative strategy of incorperating beaver dam analogues, and/or infilling of mainstem channel and/or constuction of backwatering structures to raise the water table in Zone B (or other measures) has been explored and please provide an analysis of: the quantity of carbon that the pre-anthroprogenic influence state held and would sequester over a fixed year period (ex. 300 years), 1. the quantity of carbon that the current state holds and would sequester over the same fixed period, 2. the quantity of carbon that the post-project state (as currently proposed with soil excavations/top soil relocations) would hold and sequester over the same fixed period, 3. the quantity of carbon that the post-project state (using alternative strategies) would hold and sequester over the same fixed period, 4. the quantitiy of greenhouse gases that the planned project as currently proposed with soil excavations/top soil relocations will generate, 5. the quantitiy of greenhouse gases that the planned project as currently proposed using alternative strategies will generate.	The removal of this material would only occur in areas where agronomic species are endemic or soil compaction is such that creating rough and loose conditions and seeding with native species would likely not result in success. A primary component of the MCR offsetting plan is to "Allow the natural recovery of wetland function to proceed unimpeded by future disturbance." The plan to restore a natural hydrologic regime is to leave the existing beaver dams alone and where fish would not be affected to use some of the soil material from the fish ponds to block drainage ditches. This would help restore wetland hydrology and hydrological functions. This is described in further detail in the 2021 Palmer Fish Habitat Offsetting Plan.

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269	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	General		Hydrology	We cannot seperate the fish habitat compensation works from this wetland plan since they are nested within it. Please describe in detail (for each area of each of the sites) how fish ponds will affect groundwater conditions. Please explain why the excavation of massive pits will not significantly change surface water conditions in surrounding areas. An example of potential issues are: the borehole logs indicate that MCR Pond 3 soils are sand below 3.3m however the depth of pond excavation is detailed as up to 5m on design drawings. Please provide risk assessment analysis for alterations in wetland function and groundwater conditions for all pond feature excavations at all sites.	See attachment "Comment ID 269_2006501_Groundwater Flux Memo_March 2022.pdf" The design objectives and purpose in this memo identify a minimum pond depth of 2 m. Where water is deeper (>2 m), cobble/boulder substrates and overhead cover are set to be incorporated within the pond design to maximize habitat quality. The design of the fish offsetting ponds and groundwater concerns are outside of the scope of the WMOP. The fish habitat ponds are described in detail in the 2021 Palmer Fish Habitat Offsetting Plan. Further discussions may be required with Palmer to address this comment. Clarification text has been added to Section 10.1 Monitoring Objectives.
270	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological	General		Data governance	All data, spatial files used to create maps and scripts for data analysis related to this work (or links to the data/scripts) should be included as digital attachments to the reporting so that all collaborators have what they need to understand our current state of knowledge. The days of the pdf report only are over.	Acknowledged. Information extracted from LiDar or any other raw spatial data can be found in the appendices or figures provided throughout the report.
271	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	10.2.3	10.2.3	Hydrology	*"The vegetation in Zone B is dominated by agronomic species. All vegetation, including the upper 0.5 m of soil will be removed for disposal off-site from Zone B".* How will the excavation and associated works to facilitate the transportation of this massive amount of material affect the funciton of this area including water table elevations, soil nutrient and soil moisture regimes?	The removal of this material is critical to the reestablishment of wetland species in the absence of a seedbed of agronomic species currently present. This material will partly be replaced through the use of soil resources excavated from the fish ponds. Impacts to groundwater will be temporary and minor in comparison with major excavations associated with fish ponds.
272	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	10.2.3	10.2.3	Hydrology	We cannot seperate the fish habitat compensation works from this wetland plan since they are nested within it. It is wild that we do not yet know whether the ditches dug to drain the wetland historically are fish bearing! Even if sampling does not catch fish (it likley will), it is very likley that most fisheries biologist would feel the need to classify them as fish bearing regardless due to their connectivity to known fish bearing waters. There needs to be a plan in place to fill in these trenches regardless of fish bearing status. Suggest including area calculations in the overall offsetting requirements and assuming they are fish bearing. If the infilling of the trenches cannot be done the entire plan is likely to fail as far as raising the water table!!!!!!	The fish habitat ponds are described in detail in the 2021 Palmer Fish Habitat Offsetting Plan. Zone C is assumed to be fish bearing and therefore, no active restoration is proposed. Existing fish habitat will not be destroyed during wetland restoration efforts. The wetland habitat balance will continue to be updated throughout the life of the project to ensure sufficient wetland offsetting.

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273	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	10.2.4 Zone B – Hay Fields and Pastureland	10.2.4	Soil removal	*"All vegetation, including the upper 0.5 m of soil will be removed for disposal off-site from Zone B". and "BW Gold suspects that there will be less soil available for salvage than is required to cover the entirety of Zone B"* Soil profile information for the proposed locations of (Post Field Memo for sediment characteriization at proposed offsetting ponds, November 2022 - Palmer) Pond 1 and Pond 2 within Zone B indicate that removal of the upper 0.5m of soil would remove all organics from the Zone leaving clay only. A rough visual estimate of the area of Pond 3 (13,000m2) vs Zone B indicates that approximatley 3-4 times the amount of soil available from salvage for pond 3 will be required to cover Zone B with organic layer depths comparable to current conditions (~0.5m). Where is the other ~8,500m3 (850 dump trucks at 10m3 per truck) worth of dirt to come from? Please provide a breakdown of reasonable estimates of cost and carbon emmissions for this work.	The removal of this material is critical to the reestablishment of wetland species in the absence of a seedbed of agronomic species currently present. This material will partly be replaced through the use of soil resources excavated from the fish ponds. Despite the difference in soil volume, there is no proposal to bring in soil materials from offsite.
274	Jan 27, 2023			Tom Braumandl UFN/LDN	2. PURPOSE AND OBJECTIVES	2	acronyms	IEM used and not defined. Ditto PM in section 3. Also, why is Matthew Creek Ranch turned into acronym while Dykam Ranch isn't. Nice to keep geographic names in full. Also check to see if acronyms required, if used less than three times they should be written out in full, e.g., WMMP.	Acknowledged.
275	Jan 27, 2023			Tom Braumandl UFN/LDN	2. PURPOSE AND OBJECTIVES	2	objectives	Should state in this section that you are committed to adhereing to the federal policy of no net loss of wetland function due to the Project.	Acknowledged.
276	Jan 27, 2023			Tom Braumandl UFN/LDN	Appendix B Condition 3 j.	Appendix B		Unclear why this is noted as N/A, surely this is a portion of the adaptive management to be applied.	Acknowledged. This has been updated in the most recent version of the report.
277	Jan 27, 2023			Tom Braumandl UFN/LDN	4.3 Guidelines and Best Management Practices	4.3		"Federal Policy on Wetland Conservation Guidance for Application and Implementation in Environmental Assessment (ECCC 2017);" appears to be an incorrect citation there is a 1996 document so titled. Please provide updated reference with link.	Acknowledged. An updated reference has been provided in the updated WMOP.
278	Jan 27, 2023			Steve, UFN/LDN	8.2.4 FA Associated with Wetland Gains	8.2.4		The calculations done to measure functional gain or loss are not interpretable with the materials you provided showing how you calculated function needs to be added somewhere like an appendix.	Acknowledged. Details of the rubric calculations are provided in Appendix F Wetland Function Analysis.

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279	Jan 27, 2023			Steve, UFN/LDN	Table 8.1-1 Wetland Functions table	Table 8.1-1		On function 12 you say connectivity is defined as whether individual wetlands are touching - this is not a full defination of ecological connectiveity at a functional level - this needs revised. Connectivitiy is a landscape feature that allows distant ecosystem components to connect and function somewhat remotely depending on what is between - this applies to all groundwater recharge and provision (which may connect many nearby wetalnds in the projetc area), wildlife species freeley conect through the wetlands network despite km between the individual wetlands, and plant pollination plant dispersal etc does not require that the wetlands are touching. Actually I can't think of any connectivity that requires two wetlands touch!	Connectivity is a landscape level feature and one way to measure that is by following the definition of a wetland complex as outlined in the Riparian Area Management Guidebook which states "A wetland complex consists of two or more individual wetlands with overlapping riparian management areas and a combined wetland area of 5 ha or more." This is consistent with "Technical Supplement to the Protocol Evaluating the Health of Wetlands Wetland Management Routine Effectiveness Evaluation"
280	Jan 27, 2023			Steve, UFN/LDN	8.2.4 FA Associated with Wetland Gains	8.2.4		The functional values are very subject to interpretation, they don't work on their own without other values that explain them please revise this section, we need to see actual areas, some working of function, like a spreadsheet showing how you worked it out, not indexes of subjective importance.	Acknowledged.
281	Jan 27, 2023			Steve, UFN/LDN	8.2.4 FA Associated with Wetland Gains	8.2.4		You also need a map of all the wetlands in the project area in the section that relates to functional assessments haveing these in an appendicx is very unhelpful.	Acknowledged. Additional figures have been added or updated to Section 7.1 Site Selection and Study Area
282	Jan 27, 2023			Steve, UFN/LDN	Figure 10.3-1:	Figure 10.3-1		Wetlands Potentially Restored by Road Rehabilitation in the Capoose Habitat Securement Area, how is this going into your offsetting plan when it was blackwater gold that built the roads and disrupted these wetlands. Of course it needs to be restored but it can not be part of your wetland offsetting.	This was a request made by the Nations. The Capoose wetland restoration is identified only as a restoration site and is not included in the wetland gains or offsetting credits in this plan.
283	Jan 27, 2023			Tom Braumandl UFN/LDN	Figure 7.1-2: Mathews Creek Ranch Wetland	Figure 7.1-2		BW Gold Owned land in legend but not displayed on map. Please display bounds of fee simple land.	Acknowledged. Figure 7.1-2 Mathews Creek Ranch Baseline Wetland Surveys (2022) has been updated.
284	Jan 27, 2023			Tom Braumandl UFN/LDN	Figure 7.1-3: Dykam Ranch Wetland	Figure 7.1-3		The mapping of bog immediately adjacent to to Chedakuz creek and with tributary channels crossing the bog, calls into question the accuracy of the field data collected and hence any management activities based on this mapping. Bogs are hydrodynamically stagnant or slow. It would be very unusual for bogs to be found in this location, therefore an explanation of how these areas were classified as bogs is required. The mapping of wetlands at matthew Cr ranch is also questionable with bogs being mapped adjacent to swamps and in close proximity or directly adjacent to flowing water.	Acknowledged. Wetland mapping will be refined once field surveys have been conducted to verify the delineation of Chedakuz Creek and surrounding wetlands.

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285	Jan 27, 2023			Tom Braumandl UFN/LDN	Appendix E Wetland Baseline Data	Appendix E		No pH data is provided. pH is a diagnostic feature for distinguishing fens and bogs. Please provide this data.	Acknowledged. Additional information has been added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
286	Jan 27, 2023			Muhammad	General		General	Current WMOP needs several clarifications. Uncertainties around the adopted methodology and a lack of flow make the whole document difficult to follow in many places. Sometimes, cited references are not an exact reflection of the claim made. Some sections are still weak in terms of condition 24 and DS 5.1-5.5. Sometimes, scientifically questionable statements/methodology is presented, e.g. ecosystem dynamics and energy flow, incomplete methodology reporting. Proposed strategies are generic or assumed and not based on scientific rigor. It is mentioned that FNs were consulted but not clearly mentioned if the consultation reached a specific conclusion (and became a reason for a particular approach selection). Wetland function evaluation is also not clear. Below I have listed key concerns/questions that I have.	Acknowledged.
287	Jan 27, 2023			Muhammad	2. Purpose and Objectives (Page 2-2)	2	Question	"Restoring the hydrology to a former wetland area by filling anthropogenic drainage features (e.g., ditches) can help restore...". Filling with what? Water? And what aspects of hydrology? What will happen if water is evaporated or infiltrated? So, restoring hydrology is not easy at first place and secondly it wouldn't essentially restore the loss of wetland functions in short term, rather it will reciprocate a little in terms of vegetation. Certainly, there are chances that a new ecosystem will thrive on its own with likely new functions (concept of natural selection).	Details are provided in Section 10 Monitoring.
288	Jan 27, 2023			Muhammad	2. Purpose and Objectives (Page 2-2)	2	Question	Trophic energy flows from the lowest trophic level (primary producers) to the top (predators). Why it is mainly linked with stream temperature regulation? Is this a misunderstanding or what?	Temperature was provided as an example
289	Jan 27, 2023			Muhammad	4.1 Legislation	4.1	Clarification	Just wondering if "Environmental Mitigation Policy for B.C." was considered that provides guidance on "mitigating impacts on environmental values".	The Environmental Mitigation Policy for B.C. will be followed and is central to the mitigation and management measures presented in Appendix P Mitigation and Management Measures.
290	Jan 27, 2023			Muhammad	5. Adapative management framework	5	General	The adaptive management framework doesn't essentially cover all requirements mentioned in Condition 24, and federal DS 5.1-5.5.	Acknowledged.
291	Jan 27, 2023			Muhammad	5. Adapative management framework	5	Question	Condition 24(c) requires a description of methods used to determine wetland functions and overall conditions. Here, in WMOP, results of wetland function offsetting evaluations are presented but no methods at all. Any reasons?	Methods are provided in Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.

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292	Jan 27, 2023			Muhammad	7.1 Site selection and study area	7.1	Question	It is not clear what was the rationale/criteria to select these sites. If section 7.1-7.3 describes some methods, it should have been clearly established before proposing these sites as offsetting plans.	All wetlands within the study area were surveyed. Site selection for MCR and Dykam Ranch have been discussed with the Nations and regulators.
293	Jan 27, 2023			Muhammad	7.1.1 Project area	7.11	Question	Project-specific EAC and DS are partially met here. Condition 24(b) requires wetland assessments in relation to the local watershed, but surveys were conducted only at the mine site, i.e. linear feature, MCR, and Dykam ranch. How about the impacts in other areas of the watershed, impacts along mine access road and water supply pipeline, along the airstrip and the road, along the creek 688328, downstream of creek 705, downstream impacts along the Davidson creek and snake lake as well! The impacts on these areas specific wetlands (if exist) would be inevitable. I can see surveys were conducted in 2013 and 2017 in these sites, but why not in 2022. What was the criteria of restricting wetland surveys to mine site area entierly in 2022?	See Figure 7.1-1, 7.1-2, and 7.1-3 for all wetland survey areas for the mine site, MCR, and Dykam Ranch, as many of the other features mentioned have been surveyed. The purpose of the 2022 surveys was to update less-detailed wetland mapping from the EA in areas of project infrastructure.
294	Jan 27, 2023			Muhammad	7.1.2 MCR offsetting site	7.12	Clarification	This section proposes that MCR would be an offsetting site without providing sufficient background on why it was selected (in particular to the nation's interest).	Site selection for MCR and Dykam Ranch have been discussed with the Nations and regulators. Clarification text was added to Section 7.1.2 Mathews Creek Ranch Offsetting Site.
295	Jan 27, 2023			Muhammad	Figure 7.1-1	Figure 7.1-1	Question	How project footprint area (greyed) was calculated? Any methodology? What the mid-size panel on the right side is showing? Should be self-explanatory.	Calculations are based on engineering mine site designs.
296	Jan 27, 2023			Muhammad	Figure 7.1-2 MCR wetland	Figure 7.1-2	Question	Is there any data that support the mapped area of degraded wetlands? What were the criteria to declare the area as "heavily degraded".	The use of the term "heavily degraded" has been taken out of context. The use of this term in the WMOP refers to large wetland complexes containing all five wetland classes within the greater landscape - not specific to the condition of MCR or Dykam. MCR is degraded, as described in Section 9.2 Mathews Creek Ranch Offsetting Site, and includes such anthropogenic disturbances as fencing, agronomic species, invasive plant species, and artificial drainage. Dykam has minor degradation that includes cattle use/trampling that is proposed to be reversed through restoration work, as described in Section 9.4 Dykam Ranch Offsetting Site.
297	Jan 27, 2023			Muhammad	7.1.3 Dykam Ranch offsetting Site	7.1.3	Question	Same as above! The criteria for selecting this site must meet the conditions (condition 24 and DS 5.1-5.5), and must be explained in the methods section.	Site selection for MCR and Dykam Ranch have been discussed with the Nations and regulators. Section 9 Wetland Offsetting Implementation outlines the criteria used to evaluate potential offsetting sites during the EA process and the selected offsetting opportunities, including: 1.Proximity to the Project Area where wetlands are lost, within the same watershed impacted by the Project (Nechako River watershed); 2.Prioritizing restoration over enhancement, and enhancement over creation, following the hierarchy of offsetting options per the Federal Policy on Wetland Conservation (EC 1991) referenced in Condition 5.4 of the DS; and 3.Identification of regionally important or uniquely large wetlands that provide multiple functions and associated values.

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298	Jan 27, 2023			Muhammad	7.1.3 Dykam Ranch offsetting Site	7.1.3	Question	If Dykam Ranch offsetting site was not surveyed sufficiently, weaker/compromised aspects in the mapping (etc) should be highlighted here. Aslo, vegetation perscription wouldn't essentially result in function gain until the wetland has achieved the similar status (of destroyed wetland).	Acknowledged.
299	Jan 27, 2023			Muhammad	7.2 Pre-construction surveys	7.2	Question	Before surveys, digital inventories are consulted to establish benchmark resources. Was it done?	Yes, also existing information from the EA.
300	Jan 27, 2023			Muhammad	7.2 Pre-construction surveys	7.2	General	What would be the implication of peat, obtained from wetland destruction, in the mine site? If exposed, it can be subject to degradation following release of carbon in the environment.	All organic materials encountered at the Mine Site will be stockpiled in accordance with the relevant management plan.
301	Jan 27, 2023			Muhammad	7.2 Pre-construction surveys	7.2	Question	Why no landscape-wide surveys were conducted before field-surveys? Typically, for wetland assessments, and to make an inventory as a baseline, landscape-wide assessments (Tier 1) following field surveys (Tier 2) and detailed assessments (Tier 3).	Baseline surveys followed provincial guidance (MacKenzie 1999). Pre-construction surveys (2022) were based off of original baseline data (from EA) and were conducted in areas where project infrastructure and wetlands were likely to overlap so that wetland losses could be calculated.
302	Jan 27, 2023			Muhammad	7.2 Pre-construction surveys	7.2	Question	If the scope of work on wetland mapping and function assessment was established with LDN/UFN, this should be provided clearly in methods or at least in the appendix section. For the sake of transparency in documentation, and to follow best management practices, it should be well presented for anyone who is reviewing the document (internally/externally). I understand this briefly explained but detailed methodology (development and implementation) would have been better. Also, I don't see that all wetlands were classified in relation to all components of the watershed which is key requirement of condition 24.	Acknowledged.
303	Jan 27, 2023			Muhammad	7.2 Pre-construction surveys	7.2	Question	Mackenzie and Moran 2004 is a guide for wetland identification/classification, and not about assessing wetland function (lost or degraded). Provide correct reference.	Acknowledged.
304	Jan 27, 2023			Muhammad	7.2 Pre-construction surveys	7.2	Question	IEM is not defined in the document.	Acknowledged.

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305	Jan 27, 2023			Muhammad	Figure 7.1-3	Figure 7.1-3	Clarification	Just wondering what was quality control in wetland mapping. Bogs are mapped on the south side of Chedakuz creek immediately. Bogs, being sub-hydric, stagnant, and poor in nutrients, cannot occur along the creek margins. Such observations actually questions the accuracy of the whole dataset.	Acknowledged. Recent field surveys completed for Mathews Creek Ranch provided site photos and vegetation data that were not available originally upon drafting this plan. This information has supported the delineations and data presented in the rubric calculation. Chedakuz Creek at Dykam Ranch did not complete full wetland site assessment and available data is limited to site photos indicating potential for additional swamp areas along the margins of the creek. No alterations to the wetland delineations will be made until field visits are conducted to verify the extent and classification of wetlands at the Dykam Ranch. Approximately 10% of the data was quality controled for the wetland mapping.
306	Jan 27, 2023			Muhammad	7.2.1 Field survey methods	7.2.1	Clarification	The first listed task says wetlands were mapped in 2022 in the Project area as well as in linear features, and where mine footprints could occur. However, figure 7.1-1 depicts wetlands that were mapped in the mine area, and long MCR creek and Dykam ranch. Can you please clarify if there is something misunderstood?	Figure 7.1-1 Mine Site Baseline Wetland Survey Plots shows all surveyed areas relative to mine disturbance.
307	Jan 27, 2023			Muhammad	7.2.2 Field data collection	7.2.2	Clarification	How the boundaries of wetlands (polygons) were defined using field-surveys? Was it through TEM? If yes, was TEM also conducted for 2022 surveys? If not, how field-surveys data was validated for mapping?	Desk-based mapping was used to guide field efforts. All desk-based wetland mapping was verified and adjusted using field observations and assessment results.
308	Jan 27, 2023			Muhammad	7.2.2 Field data collection	7.2.2	Question	Which hydrodynamics parameters were studied? Be specific! How the moisture regime was studied should be detailed as well. Which guide was used for the identification of mosses? How groundwater aspects (modeling etc) were considered? Its important to consider that the plan should include functional connectivity in addition of structural connecting in complex wetland ecosystems, e.g. Dykam and MCR.	Observations of hydrodynamics were made by recording hydrodynamic position. Soil moisture is recorded through TEM standards on FS882 field forms (see Appendix O Wetland Monitoring Supporting Documents and Field Forms) and is checked for alignment with M&M 2004. Groundwater will be incorporated once results of piezometers is available.
309	Jan 27, 2023			Muhammad	7.2.2 Field data collection	7.2.2	Question	"Any disturbance was recorded using provincial protocols". Can you be specific about protocols?	B.C. Wildlife Federation and B.C. Ministry of Forests, Range, Natural Resource Operations and Rural Development. 2022. Technical Guidance Document for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation). Forest and Range Evaluation Program, B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development, Victoria, B.C. Additional information has been added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
310	Jan 27, 2023			Muhammad	7.2.2 Field data collection	7.2.2	Question	Determining nutrient content is a highly important criterion in wetlands classification, even clearly mentioned in cited references (MacKenzie and Moran 2004). I am not sure if nutrients were measured or overlooked. Please clarify	Nutrients are observed through SNR. As described in Mackenzie 1999, and MacKenzie and Moran 2004. Additional information has been added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.

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311	Jan 27, 2023			Muhammad	7.2.4 Wetland Function Field Assessment	7.2.4	General	This combined section is loosely structured and qualitatively described, so becomes difficult to catch points on how wetland function was assessed. Methods are inadequately described. As an academic reviewer, I would simply ask to rewrite the section with a clear explanation of methods for each function assessment.	Acknowledged.
312	Jan 27, 2023			Muhammad	7.2.4 Wetland Function Field Assessment	7.2.4	Clarification	TRIM is not defined.	Acknowledged.
313	Jan 27, 2023			Muhammad	7.2.4 Wetland Function Field Assessment	7.2.4	Question	Any reference of the statement "use of plots and air photo interpretation to establish the wetland extent and classification is the generally accepted method"?	Acknowledged.
314	Jan 27, 2023			Muhammad	7.2.4 Wetland Function Field Assessment	7.2.4	Question	The Index of Biological Integrity (IBI) is usually established for habitat function evaluation. Was it considered?	No.
315	Jan 27, 2023			Muhammad	7.2.4 Wetland Function Field Assessment	7.2.4	Clarification	It is difficult to claim that "data collected was of sufficient quality and quantity to identify any rare plants", especially because there is no information provided on rare plants until this stage.	Acknowledged. Rare plant surveys were completed in 2013 across 46 plots within the LSA and 16 plots in the RSA. Five blue-listed plant species at risk were documented within the Project Area and were not legally protected within the boundaries of the Project Area.
316	Jan 27, 2023			Muhammad	7.2.4.1 Hydrological function assessment	7.2.4.1	Question	How wetland substrate (peat, mineral) was studied? What was the composition? Where the samples were analyzed? How the data was interpreted?	This was not studied and is outside of the scope of the WMOP.
317	Jan 27, 2023			Muhammad	7.2.4.1 Hydrological function assessment	7.2.4.1	Question	All wetland types were selected, but how many replicates of each wetland type were there? For MCR, it looks like only lowland wetlands (and degraded) were given focus. Any reason for that?	Of the 245 wetland polygons in the Mathews Creek area, 23 full plots across 20 polygons, and 37 visual checks across 32 polygons were completed in 2022. Figure 7.1-2 Mathews Creek Ranch Baseline Wetalnd Survery (2022) illustrates the location of the completed full and visual plots completed in the MCR. Wetlands surveyed were selected in relation to the wetland class, access, and ability to be monitored over the course of one season. Field data collected and methodology is provided in Appendix D: Wetland Baseline Sampling and Function Assessment Methodology and Appendix H: Wetland Baseline Data.
318	Jan 27, 2023			Muhammad	7.2.4.3 Habitat/Ecosystem Function Assessment	7.2.4.3	General	This combined section is very confusing. It remains unclear how wetland habitat was identified based on plant associations.	Acknowledged. Additional information was added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
319	Jan 27, 2023			Muhammad	Table 7.3-1	Table 7.3-1	Question	The diversity of blue-listed wetlands in the project site is different from the wetland types identified in offsetting areas. How the lost function will be gained with this strategy? This is more important for MCR where only 1 wetland type is identified (WS07)	The EAC condition and federal DS require that all wetlands are offset and does not require additional measures for red- or blue-listed wetlands. Clarification text was added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.

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320	Jan 27, 2023			Muhammad	7.3 Wetland classification	7.3	Clarification	Baseline wetland surveys were conducted at different places in different years. More recently, the focus was on mine area, and offsetting sites. Baseline survey data on other features of the watershed are old and may not reflect present conditions for exact function assessments.	Acknowledged.
321	Jan 27, 2023			Muhammad	7.3 Wetland classification	7.3	Clarification	Earlier it is stated that wetlands were classified beyond the general classification scheme (5-types). Here, I can only see these and no other wetland kind. Where is the data on wetlands which couldn't be classified via this scheme?	Wetlands were surveyed and classified according to Warner and Rubec (1997) and MacKenzie and Moran (2004). The wetland associations referenced in Section 7.3 Summary of Baseline Results are the listed wetlands associated with corresponding BEC zones.
322	Jan 27, 2023			Muhammad	7.4 Summary of baseline results	7.4	Clarification	Which year data was used to report the total areas of wetlands? In sections 7.4.1 to 7.4.3, total wetlands areas are reported in the mine site and other project components; but it becomes difficult to understand which data is from which year. Can you clarify?	Wetland area data reported in the WMOP is current to 2022. Additional information was added to Section 7.3 Summary of Baseline Results and Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
323	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	Hanson et al. didn't establish numerical values-based criteria for wetland function evaluation (at least in cited reference). The authors only explained key values. Usually, multiplier tools are used as modeling approaches and have evolved greatly to include different functions. This rubric scheme seems conventionally developed method without any correct citation. Further, if key Values are not included in multiplier modeling, function assessment is compromised. Also, Hanson et al 2008 clearly included "cliamte" as an important wetland function. Not sure why it was not included.	Hanson et al. 2008 provides functional values and attributes of wetlands by wetland class. This information was used to inform the development of the rubric. Where there are gaps in wetland function in this references, others (e.g., FREP) were used. This approach was presented to nations prior to implementation. Carbon storage value associated with biochemical function was included in the rubric.
324	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	"This process effectively translates the field function data into a numerical value that represents function on a wetland-specific basis." What is the source of this claim?? The draft wetland function rubric was shared with Nations, and authorities; however, not mentioned if any confidence was achieved through this process?	Acknowledged.
325	Jan 27, 2023			Muhammad	Table 8.1-1	Table 8.1-1	Question	Ecosystem quality: Where to find more details of invasive species inclusion/exclusion criteria? How it was included in the function assessment calculation?	Invasive plant species are captured in the rubric, presence or absence is the metric. Additional text has been added to Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.

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326	Jan 27, 2023			Muhammad	Table 8.1-1	Table 8.1-1	Question	Ecosystem connectivity: looks like only structural ecosystem connectivity was the focus (even without any wetland crossing designs). How about the functional connectivity, and connectivity of water resources? Where to access shapefiles - curious about which parameters were included for multiple layers.	This comment is not clear. Connectivity is a landscape level feature and one way to measure that is by following the definition of a wetland complex as outlined in the Riparian Area Management Guidebook which states "A wetland complex consists of two or more individual wetlands with overlapping riparian management areas and a combined wetland area of 5 ha or more." This is consistent with "Technical Supplement to the Protocol Evaluating the Health of Wetlands Wetland Management Routine Effectiveness Evaluation." Information extracted from raw spatial data can be found in the appendices or figures provided throughout the report.
327	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	Where Hanson et al., (2008) reported instances where adjustments were made to the ranking framework? In fact, where Hanson et al. actually reported provided ranking criteria to build a rubric? I cannot find this information at all. Clarify	Hanson et al. 2008 provides functional values and attributes of wetlands by wetland class. This information was used to inform the development of the rubric. Where there are gaps in wetland function in this reference, others (e.g., FREP) were used. Additional information was added to the Appendix D: Wetland Baseline Sampling and Function Assessment Methodology.
328	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	"The statistical program R was used to generate the program code for automation of the rubric calculations." I would request to include the code (algorithm) so that a reviewer can understand the science behind this functional assessment. Can it be provided?	The algorithm behind the rubric is presented in Appendix J Wetland Function Rubric and Function calculation Spreadsheet (Score Card). The R Code is a way to automate this calculation across 1000's of wetland data points. This appendix is the science behind the functional assessment.
329	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	"Following the established health assessment methods, ecosystem quality was ranked from Not Functioning (+1) to Functioning (+4)." which methods?	Additional information was added using the B.C. Wildlife Federation and B.C. Ministry of Forests, Range, Natural Resource Operations and Rural Development. 2022. Technical Guidance Document for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation). Forest and Range Evaluation Program, B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development, Victoria, B.C.
330	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	Which wetlands were delineated using only visual methods? Can you be specific? Also, what was the reason for not following the same strategy?	Of the 245 wetland polygons in the Mathews Creek area, 23 full plots across 20 polygons, and 37 visual checks across 32 polygons were completed in 2022. Figure 7.1-2 Mathews Creek Ranch Baseline Wetalnd Survery (2022) illustrates the location of the completed full and visual plots completed in the MCR. Wetlands assessed were dependent on ability to survey wetland areas within one season to provide replicable and valuable data.
331	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	How come bogs have a low nutrient value as assigned in functions? Also, a simple summation of wetland sub-function values to produce an overall function score for a given wetland is now an outdated approach. Peat-based wetlands always have a high compensation ratio as their replacement is simply impossible in short term (100 years). Is it possible to share R code? I can see that FA is calculated by multiplying with total wetland area; however, how offsetting ratios were established is not so clear. Did you consider any standard multiplier tools (e.g. WESPUS calculator). WESPUS takes into consideration at least 8 group functions. Also, wetland function values are assessed by using both onsite and offsite evaluation techniques (e.g. ABWRET-A). https://doi.org/10.1016/j.ecoser.2021.101382	While interesting, the literature referenced in this comment was developed base on costal sites in China. The WMOP was developed following regulations, standards and guidelines specific to BC and Canada.

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332	Jan 27, 2023			Muhammad	8.1 Wetland Funciton Rubric	8.1	Question	Appendix J shows the footprint in the mine area over the years. Where one can find function scores for all wetlands as mentioned in the text?	The wetland function scores for all wetlands can be found in Appendix F Wetland Function Analysis
333	Jan 27, 2023			Muhammad	8.2.1 Wetland Function Losses	8.2.1	Question	How footprint study/mapping was done? Any methodology?	Calculations are based on engineering mine site designs. Additional information has been added to Section 7.4.1 Wetland Function Losses.
334	Jan 27, 2023			Muhammad	8.2.4 FA Associated with Wetland Gains	8.2.4	Clarification	Not sure why the lowest possible score was assigned to MCR in the current scenario! Isn't it a semi-functional wetland complex? If yes, why lowest score would be assumed?	The lowest possible score for that wetland type was assigned to MCR when it was being used for agricultural purposes. The current functional value of MCR is reported separately. Clarification text has been added to Section 7.4.2 Wetland Function Gains.
335	Jan 27, 2023			Muhammad	10. Wetland offsetting plan	10	General	From prescription plans, it looks like habitat restoration efforts may not survive in the long run. See my comments below. Any reference sites which could be used as models for each kind of restoration? Usually, it is a crucial aspect of restoring efforts.	Reference sites are proposed to be established in 2024, see Section 10.3.1.3 Reference Wetlands.
336	Jan 27, 2023			Muhammad	10. Wetland offsetting plan	10	Question	Condition 24(d) requires a timeline for the implementation of offsetting measures. This is also important to consider that many wetland bird species could be impacted by impacts in spring when birds are nesting.	The timing of wetland restoration at MCR will be dependent on the fish habitat offsetting works as the two projects are linked. Clarification text was added to Section 9 Wetland Offsetting Implementation and Section 9.6 Implementation Schedule.
337	Jan 27, 2023			Muhammad	10.2.1 MCR offsetting site	10.2.1	Question	How water sources will be maintained in ZONE C in the long run as a part of the wetland restoration scheme?	Where possible, trapping pressures that existed pre-2013 will be removed to promote wetland recovery. Zone C - the aritifical wetland drainage ditches are assumed to be fish bearing and therefore, no active restoration work is proposed. Water level fluctuations from the fish habitat and offsetting ponds will be captured in the annual accounting. The wetland habitat balance will continue to be updated throughout the life of the project to ensure sufficient wetland offsetting.
338	Jan 27, 2023			Muhammad	10.2.1 MCR offsetting site	10.2.1	Question	What and what not, nations would be able to access at MCR site, considering its private property, is not clearly mentioned.	This is outside of the scope of the WMOP. Conversations will occur between Aretmis and the Nations.
339	Jan 27, 2023			Muhammad	10.2.3 Zone A – Mathews Creek Riparian Area and Fish Offsetting Pond	20.1.3	Clarification	Where the results of nutrient load reductions, improvements to water quality, and improvements to bank stability are presented? I couldn't find them in section 8. It will be useful to see what concentrations are in these habitats at the moment.	Sampling for nutrients in Mathews Creek prior to cattle removal was outside the scope of this WMOP. The wetland values are further outlined in Appendix J Wetlands Function Rubric and Function Calculation Spreadsheet (Score Card).
340	Jan 27, 2023			Muhammad	10.2.3 Zone A – Mathews Creek Riparian Area and Fish Offsetting Pond	10.2.3	Clarification	Plant diversity is shaped based on environmental conditions. Therefore, placing top soil obtained from Zone A to Zone B, and then from Zone B to Zone C would not help native wetland vegetation to survive in the long run because environmental conditions would be different. Not sure if this would be a good strategy.	What is being proposed has been misinterpreted. The prescriptions have since been updated and are discussed in Section 9 Wetland Offsetting Implementation. Zone A - Fish offsetting works and invasive plant management. Zone B - removal of anthropogenic disturbances, agronomic vegetation and topsoil removal to aid in the re-establishment of wetland vegetation, earthworks and vegetation buffer for invasive plant management, revegetation of native plants. Zone C - passive restoration to promote natural recovery.

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341	Jan 27, 2023			Muhammad	10.2.3 Zone A – Mathews Creek Riparian Area and Fish Offsetting Pond	10.2.3	Clarification	Several studies have already shown that invasive species are dormant if conditions are not suitable but expect extensive growth if conditions become favorable. This is particularly true for pastureland because animal excreta could have such elements. Is it considered?	An invasive plant species survey has been completed. Invasive plants will be controlled per the IPMP for the site and will also be controlled through the removal of vegetation and topsoil (seedbed) in Zone B.
342	Jan 27, 2023			Muhammad	10.2.3 Zone B – Hay Fields and Pastureland	10.2.3	Clarification	Where is Table 10.3-2? Is it a Table typo for Table 10.2-2?	Correct, this has since been removed.
343	Jan 27, 2023			Muhammad	10.2.3 Zone B – Hay Fields and Pastureland	10.2.3	Clarification	High seeding rate (3,000 seeds/m2) in the Mathews Creek Channel is based on some previous studies. This sounds very expensive plan, with high competition for newly growing plants. Also, it would affect the growth of plants during the mixed seeding strategy.	Acknowledged. Seeding densities have been altered to reflect the wetland class, species, and vegetation layer outlined in Table 9.2-3 Mathews Creek Ranch Wetland Revegetation Plant List - Zone B - Hay Fields and Pastureland.
344	Jan 27, 2023			Muhammad	Objective #3: Invasive plant management.	9.3.4	Clarification	The invasive plant management part reads like a literature review with no specific plan known. Will this section be revised at any stage before the project startup?	Section 9.2.3 Zone B - Hay Fields and Pastureland proposes multiple methods for invasive species management including vegetation clearing, soil inversion, and soil scraping and removal. Reference to the Invasive Plant Management Plan and the Surface Erosion Prevention and Sediment Control Plan are made throughout this section when BMPs are applicable.
345	Jan 27, 2023			Muhammad	11. Monitoring	11	Clarification	Not sure if research institutes (universities) will be involved at any stage of reclamation as part of monitoring as well.	Acknowledged. This is outside of the current scope of the WMOP.
346	Jan 27, 2023			Muhammad	11. Monitoring	11	Clarification	Where to find details of 19 wetlands (five different classes) that have been identified as part of the long-term monitoring?	Details from wetland surveys can be found in Appendix D Wetland Baseline Sampling and Function Assessment Methodology and Appendix H Wetland Baseline Data. Details of piezometer installation and monitoring can be found in Appendix D Wetland Baseline Sampling and Function Assessment Methodology.
347	Jan 27, 2023			Muhammad	Table E-2: Wetland Baseline Data - Vegetation	Table E-2	Clarification	Please define A-E(%). Also, it would be good to provide an excel sheet with all data.	These percentages are in reference to the vegetation layers recorded in the field surveys. The A layer includes the tress layer of all woody plants >10m tall. The B layer includes the shrub layer of all woody plants <10m tall, except low (usually <15cm tall) woody or trailing plants which are considered part of the herb layer. The C layer includes the herb layer of all herbaceous species, regardless of height, and some low woody plants <15cm tall. The D layer includes the moss, lichen, liverwort and seedling layer of all bryophytes, terrestrial lichens, and liverworts, and tree seedlings <2 years old that occur on mineral soil and humus (BC MOF and MOE 2010). Alterations to table column names have been added to the table in Appendix H Wetland Baseline Data.
348	Jan 27, 2023			Muhammad	General		Clarification	Any non-restorative wetland plans to compensate if results are not achieved upto the mark as proposed!	Section 9 Wetland Offsetting Implementation outlines that BW Gold will continue to work closely with Indigenous groups throughout the implementation of the offsetting measures listed in this plan to identify and implement additional contingency wetland restoration activities should the effectiveness monitoring results and outcomes demonstrate a future deficit in restored wetland function in order to fully offset losses to wetland functions caused by the Project.

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349	Jan 27, 2023			Muhammad	General		Clarification	Why no soil/substrate sample analyses were carried out to assess the health of wetlands (and to see if they can support vegetation in the future)?	The wetland surveys were completed following the Field Manual for Describing Terrestrial Ecosystems, 2nd Edition (BC MOF and MOE 2010). These surveys include a number of soil parameters listed on the FS882 field form include slope, aspect, and substrate percentages, as well as FS1333 field form including soil depth, texture, presence of gleying/mottling, terrain, etc. (see Appendix O Wetland Monitoring Supporting Information and Field Forms). By confirming the BGC unit, we are able to Integrate site, soil and vegetation factors to determine soil moisture and soil nutrient regimes, and site series. Baseline survey data is found in Appendix H Wetland Baseline Data. Wetland health is also assessed through B.C. Wildlife Federation and B.C. Ministry of Forests, Range, Natural Resource Operations and Rural Development. 2022. Technical Guidance Document for Evaluating the Health of Wetlands (Wetland Management Routine Effectiveness Evaluation). Forest and Range Evaluation Program, B.C. Ministry of Forests, Lands, Natural Resources Operations and Rural Development, Victoria, B.C. Additional information has been added to the Appendix D Wetland Baseline Sampling and Function Assessment Methodology.
350	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	General		Historic Baseline	Please provide LiDar imagery for all sites (including well upstream and downstream) and provide an analysis of potential historic anthropogenic influences such as the dredging of channels (and building of dykes, raising of ground, etc) to accommodate roads, bridges, building sites as well as to lower the water table for range use. Historic channels that are now mostly abandoned are visible on the drone acquired imagery of MCR and should be mapped at all sites useing LiDar to help us all understand past conditions. This information can also be utilized to better assess the logic in channel engineering works planned. Is the plan as proposed "restoring" the "stream" to a baseline that is less than 100years old? Are the instream channel works as planned (narrowing of channel, bank protection, replacement ofa stream crossing, etc) of detriment to the function of the wetland complexes because they will lead to a further incising of the channel into the floodplain? We cannot seperate the fish habitat compensation works from this wetland plan so please ensure you understand the implications, identify risks, document and provide direction for collaborating teams on your perspectives on the best ways forward.	Acknowledged. Information extracted from LiDar or any other raw spatial data can be found in the appendices or figures provided throughout the report.

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351	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological Associates (KES)	10.2.3	Table 9.2-3	Hydrology	There is a monstrous amount of earth works for this project with apparently no works planned within the current active main channel of Mathews Creek to slow the flow of water from the site. Suggest incorperating the construction of beaver dam analogues within the main channel to encourage elevation of the water table and beaver dam construction. https://www.researchgate.net/publication/332304757_Low-Tech_Process-Based_Restoration_of_Riverscapes_Design_Manual_Version_10?channel=doi&linkId=5d1a9abca6fdcc2462b73123&showFulltext=true	Acknowledged. Zone C is assumed to be fish bearing and therefore, will not be altered in any way to continue to support this habitat. Beaver dam construction will continue to promote natural recovery of these wetlands and trapping pressures for beavers will be removed where possible.
352	Jan 27, 2023			Al Irvine (New Graph Environment Ltd.), UFN (ulkatcho first nation), LDN (Lhoosk'uz Dené Nation), Keefer Ecological	Table 10.2.3: Summary of Mathews Creek Ranch Wetland Restoration Activities	Table 10.2.3	Soil removal	There is no mention in this table of the proposed plan to remove and relocate extraordinary quantities of soils. Although, preferably this proposal will be revised to leave soils in place and utilize hydrology to encourage recolonization of native wetland species, please include this detail in this table (if a lower risk/impact plan is not developed).	Acknowledged. Prescriptions have been updated in Section 9.2 Mathews Creek Ranch Offsetting Site to reduce agronomic species using vegetation barriers, cultivating soils, staking, transplanting, and seeding with native vegetation, inverting soils, and highlights direction from the Invasive Plant Management Plan.

*ITT comments carried forward from December 2022 (Version F.1) WMOP submission

APPENDIX O WETLAND MONITORING SUPPORTING INFORMATION AND FIELD FORMS

APPENDIX O WETLAND MONITORING SUPPORTING DOCUMENTS

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LIST OF FIGURES

During wetland surveys and functional studies, it's essential to record all data at each location using a customized wetland function form. This ensures data consistency across all sites, facilitates comparison of plot data across study areas (i.e., Project Area, offsetting sites, reference sites), and ensures compatibility with the function rubric. The use of standardized field forms guarantees that monitoring data collected will be comparable to baseline data.

This appendix provides a list of equipment required for wetland surveys, along with Wetland Habitat Information Form (WHIF). Detailed instructions are provided for completing the form in terms of site physical properties, soil properties, wetland functional indicators, vegetation, water properties and wildlife observations.

1. EQUIPMENT PREPARATION

Permanent monitoring plots specific to long-term monitoring are established to facilitate the collection of representative comparable data between wetlands within the Project Area, offsetting sites, and reference sites (as explained in detail in section 10.3 of the Wetland Management and Offsetting Plan).

Materials and equipment needed for initial plot set-up and maintenance during subsequent monitoring visits is listed in Table O-1.

Prior to field surveys, all equipment and field clothing are cleaned using a 1% Virkon solution to prevent the spread of *Batrachochytrium dendrobatidis* between wetland sites. *B. dendrobatidis* is a pathogen for amphibians.

TABLE O-1 EQUIPMENT REQUIRED FOR SET-UP AND SUBSEQUENT MONITORING VISITS

Equipment
GPS enabled tablet loaded with maps, backup paper maps
Compass, clinometer, GPS
Data sheets, pencils, permanent markers
DEIF manual, LMH 52 and 25, plant id guides
Wildlife list, rare and cultural plants list
1.5 m long PVC pipes (or rebar)
30 m measuring tape, folding measuring stick
Pigtail marking stakes, flagging tape
Waders and non-felted boots, decontamination kit
Soil Auger, sample bags
Post Pounder or mallet
Personal Gear (safety vest, bug head net, gloves etc.) cleaned using a 1% Virkon solution
Water Quality Probe

Note: A repair kit consisting of replacement parts and tools is essential to have on hand during monitoring visits in case repairs or replacement is needed.

2. WETLAND HABITAT INFORMATION FORM

WETLAND HABITAT INFORMATION FORM				
W ☐ T ☐	PHOTO	X:	Y:	DATE
PROJECT ID		SURV.		
MAPSHEET		PLOT #		
UTM ZONE	NORTH	EAST		
ASPECT		ELEVATION		
SLOPE %	SMR	HDI	SNR	
MESO SLOPE POSITION	☐Crest ☐Upper slope	☐Mid slope ☐Lower slope ☐Toe	☐Depression ☐Level	
HYDROGEO- MORPHIC POSITION	☐Estuarine ☐Fluvial	☐Lacustrine ☐Ponds & Potholes	☐Basins & Hollows ☐Seepage Slopes	
DRAINAGE - MINERAL SOILS	☐Very rapidly ☐Rapidly	☐Well ☐Mod. well ☐Imperfectly	☐Poorly ☐Very poorly	
MINERAL SOIL TEXTURE	☐Sandy (LS,S) ☐Loamy (SL,L,SCL,FSL)	☐Silty (SiL,Si) ☐Clayey (SiCL,CL,SC,SiC,C)		
MOISTURE SUBCLASSES ORGANIC SOIL	☐Aqueous ☐Peraquic	☐Aquic ☐Subaquic	☐Perhumid ☐Humid	
ORGANIC SOIL TEXTURE		**SURF. ORGANIC HORIZON THICKNESS**		
☐Fibric	☐Mesic	☐Humic	cm	
HUMUS FORM		**ROOTING DEPTH**		
☐Mor	☐Moder	☐Mull	Depth cm	Type
VON POST				
1	2	3	4	5	6	7	8	9	10
COARSE FRAGMENT CONTENT									
☐< 20%	☐20-35%	☐35-70%	☐> 70%						
ECOSYSTEM	COMPONENT:		☐WL1	☐WL2	☐WL3				
BGC UNIT		WETLAND CLASS							
SITE SERIES		ASSOCIATION							
STRUCTURAL STAGE		MODIFIER							

WETLAND POLYGON SUMMARY			
	%	CLASS	ASSOCIATION
WL1			
WL2			
WL3			

WETLAND MAP

Features to include: North arrow, wildlife features, open water, slope, vegetation communities, wetland boundary, direction of water flow, soil core locations.

OBSERVED WETLAND FUNCTION INDICATORS	
HYDROLOGICAL	
Groundwater Discharge	*Potential Flood Mitigation*
☐Minerotrophic Species	☐Evidence of Flooding
☐Basin & Hollows HGMP	☐Fluvial or Lacustrine HGMP
☐Seepage Slopes HGMP	☐Downstream Infrastructure
Groundwater Recharge	*Erosion Mitigation*
☐Von Post < 6	☐No Exposed Soils
☐Ponds & Potholes HGMP	☐Sediment Deposition Observed
Permafrost Maintenance	☐Floodplain
☐Depth to Permafrost _____ cm	
BIOCHEMICAL	
Nutrient Sink	*Water Quality*
☐WC - Brown/Turbid	☐Emergent Vegetation
☐Basin & Hollows HGMP	☐Upstream of Drinking Water Intake
☐Ponds & Potholes HGMP	
Nutrient Export	*Carbon Sequestration*
☐Discharge to Surface Water	☐Von Post < 4
☐Fluvial or Lacustrine HGMP	☐Organic Soils > 1 m
ECOLOGICAL	
☐Source Wetland	☐Wetland Ecosystem > 5 ha
☐Unique Wetland	☐Connected to SOW
☐High Vegetation Species Diversity	☐Isolated Wetland Complex
☐BMI Observed	☐Connected Wetland Complex
HABITAT	
☐Wildlife Use Observed	☐Importance to Migration
☐Listed Wildlife Species Observed	☐Structural Diversity
NOTES	

DOMINANT / INDICATOR PLANT SPECIES

TOTAL %	TALL TREE	TREE / SHRUB	FORB	BRYOP.

TREE / SHRUB	%	FORB	%	FORB cont'd	%
				BRYOP.	%

☐COMPLETE ☐PARTIAL

WATER COLOUR	☐Tea Coloured ☐Yellow-Deep Brown Turbid Green- ☐Brown Clear	☐Green-Brown Turbid Blue- ☐Green Clear

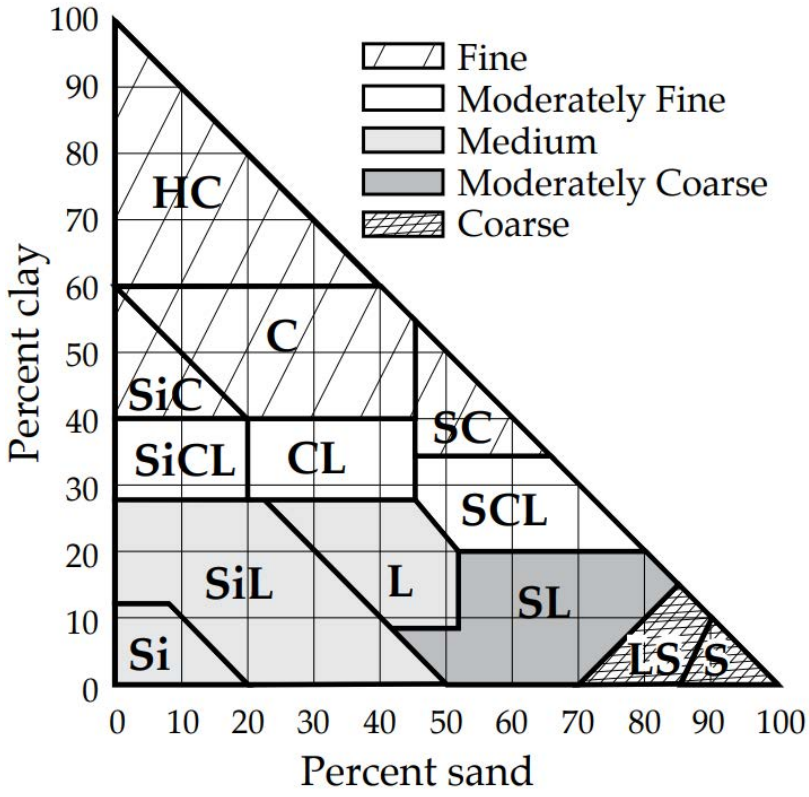
pH	CONDUCTIVITY	% OPEN WATER	DEPTH TO WATER

SOIL PROFILE	WILDLIFE OBSERVATIONS	
	SPECIES	FEATURE

2.1 PHYSICAL SITE PROPERTIES

Once a survey location has been selected a Wetland Habitat Information Form (WHIF) is completed (Figure O.2-1). Two levels of survey intensity are used: complete and partial. A completed WHIF is required for a complete survey because this form contains fields for the vegetation, soil, and water properties of wetlands at the level necessary for classification. The partial survey intensity is only used to record the locations of continuously occurring ecosystems previously recorded during multiple complete wetland surveys.

FIGURE O.2-1 SOIL TEXTURE TRIANGLE (BC MOF AND BC MOE 2010).



At a minimum, the project ID, names of survey personnel, plot number, survey date, GPS coordinates, elevation, photograph numbers, dominant vegetation, and permanence class are recorded. The photograph numbers are the unique identification number used by a camera after a digital image is saved. A minimum of eight photographs must be taken at every survey location. The first photograph is taken facing true north and then again by turning clockwise and taking a picture every 45°. Photographs of significant features such as soil, water, vegetation, and wildlife are also taken.

A clinometer and a compass adjusted to the appropriate declination are used to measure the slope and aspect of a survey location. An aspect of 0 and slope of -1 indicates level ground. Next, the meso-slope position is recorded. The meso-slope position is the position of the plot relative to the local catchment area (Table O.2-1).

TABLE O.2-1 MESO-SLOPE POSITION DESCRIPTIONS

Meso-slope Position	Definition
Crest	Uppermost portion of a hill, convex in all directions, no distinct aspect.
Upper Slope	Generally the convex upper portion of the slope immediately below the crest of a hill; has a specific aspect.
Middle Slope	Area between the upper and lower slope has a straight or somewhat sigmoid surface profile with a specific aspect.
Lower Slope	The area toward the base of a slope; generally has a concave surface profile with a specific aspect.
Toe	The area demarcated from the lower slope by an abrupt decrease in slope gradient; seepage is typically present.
Depression	Any area, concave in all directions; may be at the base of a meso-scale slope or in a generally level area.
Level	Any level meso-scale area.

2.2 WETLAND SOIL SURVEY

No less than three soil test pits or holes are established within a survey plot. The preferred method is to use an EDELMAN Dutch Auger. The soil test holes are established to a minimum depth of 40 cm or where significant contact with lithic, parent material, an impermeable layer, or water is made. As the test hole is established, lengths of soil collected in the auger barrel are pulled from the hole and arranged such that the profile of the soil can be examined.

TABLE O.2-2 HYDROGEOMORPHIC POSITION DESCRIPTIONS

Hydrogeomorphic Position	**Definition**
Estuarine	Sites at the confluence of fluvial and marine environments.
Fluvial	Sites associated with flowing water, subject to flooding, erosion, and sedimentation.
Lacustrine	Sites at lakeside.
Basins and Hollows	Sites in depressions or topographic low points, receive water from groundwater or
	precipitation.
Ponds and Potholes	Sites associated with small water-bodies.
Seepage slopes	Sloping sites with near surface groundwater seepage.

Once the soil test holes have been established and the multiple cores have been examined, a representative core is selected for data collection. The soil moisture regime (SMR) is determined (Table O.2-3).

TABLE O.2-3 SOIL MOISTURE REGIME DESCRIPTIONS

Soil Moisture Regime	Code	Definition
Moist	M	No water deficit (demand doesn't exceed supply), temporary groundwater table may be present. Generally supports forest.
Very Moist	VM	Rooting zone groundwater present during growing season. Groundwater table greater than 30 cm below ground surface. Can support limited forest.
Wet	W	Rooting zone groundwater present throughout the year. Groundwater table less than 30 cm below ground surface. Supports forest only on elevated micro-sites.
Very Wet	VW	Sites in depressions or topographic low points, receive water from groundwater or precipitation.

The Hydrodynamic Index (HDI) is then determined (Table O.2-4).

TABLE O.2-4 HYDRODYNAMIC INDEX DESCRIPTIONS

Hydrodynamic Index	Code	Definition/Indicators
Stagnant	St	Stagnant to very slow moving soil water, vertical fluctuations minimal, no evidence of flooding; lots of organic matter and high bryophyte cover.
Sluggish	Sl	Gradual groundwater movement; patterned fens; brief periods of surface aeration.
Mobile	Mo	Distinct flooding; open water tracks such as rivulets/ponds/potholes; well decomposed peat; patchy bryophyte cover.
Dynamic	Dy	Significant lateral flow and/or strong vertical fluctuations; pothole wetlands in arid climates; riparian/oxbow sites; little organic accumulation.
Very Dynamic	VD	Highly dynamic surface water; exposed tidal sites; shallow potholes that dry completely; no organic matter accumulation or bryophytes.

The soil nutrient regime (SNR) is then determined (Table O.2-5)

TABLE O.2-5 SOIL NUTRIENT REGIME DESCRIPTIONS

Soil Nutrient Regime	Code	Indicators
Very Poor	A	HDI St, von post 1-3, tea coloured or yellowish water, pH < 5
Poor	B	HDI St-Sl, von post 3-6, tea coloured or yellowish water, possibly green-brown or clear, pH 4.5 - 6
Medium	C	HDI St-Mo, von post 4-7, tea coloured, yellowish, green-brown, or clear water, pH 5-6.5
Rich	D	HDI Sl-Dy, von post 7-10, green-brown and turbid water, pH 6-7.4
Very Rich	E	HDI Mo-Dy, von post 8-10, green-brown and turbid water, pH 6.5-8
Hyper	F	Excess salt accumulation, pH > 8, high conductivity

The presence of mineral soils is determined by identifying indicators of mineralization such as gleying, mottling, oxidization, or mineral soil texture (silt, sand, or clay). The mineral soil drainage class is identified (Table O.2-6).

TABLE O.2-6 DRAINAGE CLASS FOR MINERAL SOILS

Drainage Class	Disription
Very Rapid	Water is removed from the soil very rapidly in relation to supply. Water source is precipitation and available water storage capacity following precipitation is essentially nil. Soils are typically fragmental or skeletal, shallow, or both.
Rapid	Water is removed from the soil rapidly in relation to supply. Excess water flows downward if underlying material is pervious. Sub-surface flow may occur on steep gradients during heavy rainfall. Water source is precipitation. Soils are generally coarse textured.
Well	Water is removed from the soil readily, but not rapidly. Excess water flows downward readily into underlying pervious material or laterally as sub-surface flow. Water source is precipitation. On slopes, sub-surface flow may occur for short durations, but additions are equalled by losses. Soils are generally intermediate in texture and lack restricting layers.
Mod. Well	Water is removed from the soil somewhat slowly in relation to supply because of imperviousness or lack of gradient. Precipitation is the dominant water source in medium- to fine-textured soils; precipitation and significant additions by sub-surface flow are necessary in coarse-textured soils.
Imperfectly	Water is removed from the soil sufficiently slowly in relation to supply to keep the soil wet for a significant part of the growing season. Excess water moves slowly downward if precipitation is the major source. If sub-surface water or groundwater (or both) is the main source, the flow rate may vary but the soil remains wet for a significant part of the growing season. Precipitation is the main source if available water storage capacity is high; contribution by sub-surface or groundwater flow (or both) increases as available water storage capacity decreases. Soils generally have a wide range of texture, and some mottling is common.
Poorly	Water is removed so slowly in relation to supply that the soil remains wet for much of the time that it is not frozen. Excess water is evident in the soil for a large part of the time. Sub-surface or groundwater flow (or both), in addition to precipitation, are the main water sources. A perched water table may be present. Soils are generally mottled and/or gleyed.
Level	Water is removed from the soil so slowly that the water table remains at or near the surface for most of the time the soil is not frozen. Groundwater flow and sub-surface flow are the major water sources. Precipitation is less important, except where there is a perched water table with precipitation exceeding evapotranspiration. Typically associated with wetlands.

If mineral soils are present within the top 40 cm of the soil surface, then the mineral soil texture is determined using the soil texture triangle (Figure O.2-1).

If organic soils are present (i.e., no mineral soil indicators within top 40 cm of soil surface), then the moisture sub-class of organic soils is identified (Table O.2-7).

The organic soil texture is recorded (Table O.2-8).

The depth of the surface organic layer is measured and recorded. Where the depth of the organic layer exceeds the test pit a plus sign (+) is used. For example, an organic soil depth of +120 cm indicates that 120 cm of organic soil was measured but the organic layer extends beyond that depth.

The humus form is recorded (Table O.2-9).

The depth to the bottom of the rooting zone and the von post level of decomposition are measured and recorded (Table O.2-10).

TABLE O.2-7 MOISTURE SUB-CLASS OF ORGANIC SOILS

Moisture Sub-class	Description	Saturation Period (months)
Aqueous	Free surface water	11.5 to 12
Peraquic	Soils saturated for very long periods	>10
Aquic	Soils saturated for moderately long periods	4-10
Subaquic	Soils saturated for short periods	<4
Perhumid	No significant water deficits in growing season	<2
Humid	Very slight deficit in growing season water availability	<0.5

TABLE O.2-8 ORGANIC SOIL TEXTURE

Texture	Description	Corresponding Von Post
Fibric	Visible and identifiable plant part, soil water clear	1-3
Mesic	Some visible plant parts, soil water slightly coloured	4-7
Humic	Indiscernible plant parts, dark greasy soil	8-10

TABLE O.2-9 DESCRIPTIONS OF HUMUS FORM

Humus Form	LFH Horizons		Transition to Overlying Horizon
	L/F	H	
Mull	Thin or absent	Absent	Gradual
Moder	Moderate	Moderate	Not abrupt
Mor	Matted and thick	Thin	Very abrupt

Note: LFH is the breakdown of the Litter, Fiber, and Humic layers on the soil surface.

TABLE O.2-10 VON POST DESCRIPTION

Von Post	Descriptopn
1	Completely undecomposed peat which, when squeezed, releases almost clear water. Plant remains easily identifiable. No amorphous material present.
2	Almost entirely undecomposed peat which, when squeezed, releases clear or yellowish water. Plant remains still easily identifiable. No amorphous material present.
3	Very slightly decomposed peat which, when squeezed, releases muddy brown water, but from which no peat passes between the fingers. Plant remains still identifiable, and no amorphous material present.
4	Slightly decomposed peat which, when squeezed, releases very muddy dark water. No peat is passed between the fingers but the plant remains are slightly pasty and have lost some of their identifiable features.
5	Moderately decomposed peat which, when squeezed, releases very “muddy” water with a very small amount of amorphous granular peat escaping between the fingers. The structure of the plant remains is quite indistinct although it is still possible to recognize certain features. The residue is very pasty.
6	Moderately highly decomposed peat with a very indistinct plant structure. When squeezed, about one-third of the peat escapes between the fingers. The residue is very pasty but shows the plant structure more distinctly than before squeezing.
7	Highly decomposed peat. Contains a lot of amorphous material with very faintly recognizable plant structure. When squeezed, about one-half of the peat escapes between the fingers. The water, if any is released, is very dark and almost pasty.
8	Very highly decomposed peat with a large quantity of amorphous material and very indistinct plant structure. When squeezed, about two-thirds of the peat escapes between the fingers. A small quantity of pasty water may be released. The plant material remaining in the hand consists of residues such as roots and fibres that resist decomposition.
9	Practically fully decomposed peat in which there is hardly any recognizable plant structure. When squeezed it is a fairly uniform paste.
10	Completely decomposed peat with no discernible plant structure. When squeezed, all the wet peat escapes between the fingers.

The soil description is completed by estimating the percentage of coarse fragments, measuring the depth of soil horizons (depth of organic layer, depth of mineral layer, depth to water, and rooting depth). A soil profile is drawn in the appropriate location on the WHIF and depth to all features is indicated.

2.3 WETLAND MAP

A wetland map will be created, highlighting key features such as a north arrow, wildlife habitats, open water bodies, slope variations, vegetation communities, wetland boundaries, direction of water flow, and locations of soil core samples.

2.4 WETLAND FUNCTION STUDIES

Four aspects of wetland function will be assessed, and the following evidence will be recorded on the field form as observed:

- Hydrological: potential flood mitigation, groundwater discharge and recharge, erosion mitigation, and permafrost maintenance.
- Biochemical: nutrient sink and export, carbon sequestration, water quality, and carbon sequestration.
- Ecological: association classifications, wetland complex, size, species diversity, open water area and permanence.
- Habitat: wildlife use, importance to migration, listed wildlife species observed, structural diversity.

2.5 WETLAND VEGETATION SURVEY

Vegetation species within the survey plot are identified and their seven-letter acronym is recorded in the appropriate section of the field form. For example, common cattail (T*ypha latifolia*) is recorded as TYPHLAT in the forb section.

The percent cover of each individual species and species guilds (Tall Tree, Tree/Shrub, Forb, and Bryophyte) are estimated. A tall tree is a tree standing over 5 m. A tree/shrub is a tree less than 5 m tall or any multiple stemmed woody vegetation. A forb is any herbaceous plant including graminoids, Equisetum, and club-mosses. Bryophytes are mosses and lichens. The level of vegetation survey is indicated as complete or partial. A complete vegetation list is not essential; however, it is imperative that the dominant and sub-dominant vegetation (upland, emergent, submerged aquatic, and floating- leaved aquatic) be recorded.

A list of useful field guides include:

- Wetlands of British Columbia: A Guide to Identification, LMH 52 (Mackenzie and Moran 2004);
- Field Manual for Describing Terrestrial Ecosystems, LMH 25 (BC MOF and BC MOE 2010);
- Describing Ecosystems in the Field (DEIF) manual (Luttmerding et al. 1990);
- Plants of Northern British Columbia second edition (MacKinnon et al. 2021); and
- Plants of Western Boreal Forest and Aspen Parkland (Johnson et al. 1995).

2.6 WETLAND WATER SURVEY

Measurements and documentation of the optical and chemical characteristics of water within the wetland survey location are made. The WHIF includes space for data from up to three water features. The colour of the water is described as: (1) Tea Coloured, (2) Yellow-Deep Brown Turbid, (3) Green- Brown Clear, (4) Green-brown Turbid, or (5) Blue-green Clear.

The pH of open water is measured using a handheld sonde such as an Oakton Instruments pH Testr 10. The conductivity of open water is also measured using a handheld sonde such as an Oakton Instruments TDSTestr Low.

2.7 WILDLIFE ASSESSMENTS

Prior to the initial site visit, all Valued Components (VCs) and their habitat requirements will be determined. Wildlife assessments will be completed and will include detailed wildlife use notes for the wetland and upland site. Plots will be completed to ensure coverage of all habitat types.

2.8 IMPORTANT NOTES

All observations of weeds, terrestrial and aquatic wildlife, wildlife use, wetland health concerns, disturbances etc. will be recorded. Location waypoint and photos will be included wherever possible.

3. REFERENCES

BC MOF, and BC MOE. 2010. *Field Manual for Describing Terrestrial Ecosystems, LMH 25*. Retrieved from: https://www2.gov.bc.ca/assets/gov/environment/plants-animals-and-ecosystems/conservation-data-centre/field_manual_describing_terrestrial_ecosystems_2nd.pdf

Johnson, D., L. Kershaw, A. MacKinnon. 1995. *Plants of the Western Boreal Forest and Aspen Parkland: including Alberta, Saskatchewan and Manitoba*. Lone Pine Publishing.

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MacKinnon, A., J. Pojar, and R. Coupe. 2021. *Plants of Northern British Columbia*. British Columbia: Lone Pine Media, 2 edition.

APPENDIX P WETLANDS MITIGATION AND MANAGEMENT MEASURES

APPENDIX P WETLAND MITIGATION AND MANAGEMENT MEASURES

This appendix summarizes the measures to mitigate potential Project effects on wetlands. BW Gold LTD. (BW Gold) has followed the environmental mitigation hierarchy of avoidance, minimization, restoration, and offsetting to identify mitigation measures (BC MOE 2014a, 2014b). BW Gold will continue following the mitigation hierarchy to avoid the loss as per Decision Statement (DS) Condition 5.1. Measures to mitigate wetland impacts also consider British Columbia's *Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia* (Cox and Cullington 2009) and *Riparian Management Area Guidebook* (BC MOF 1995).

Table P-1 summarizes the wetland mitigation and management measures that apply to all Project components, and references specific measures identified in Environmental Assessment Certificate (EAC) Condition 24 (referenced as 'P'), DS Condition 5.2 (referenced as 'DS') and BW Gold's Mitigations Table (EAC Condition 43; MT; November 20, 2020). The Mitigations Table includes all mitigation measures identified during the Environmental Assessment (EA) review. Table P-2 summarizes the wetland mitigation and management measures that apply to the Transmission Line (TL). Wetland impacts along the TL will be avoided or minimized by clear spanning wetland boundaries where feasible and siting TL towers and access roads in upland areas.

Wetland Buffer Zones: DS Condition 5.2, states that BW Gold will maintain a 30 m buffer of undisturbed vegetation around wetlands located within the Mine Site, excluding activities required to construct Project components. Following approval by Environmental Assessment Office (EAO) February 2023 (Appendix A), BW Gold will follow DS Condition 5.2 where wetlands will be buffered by 30 m, and work or activity within the 30 m buffer to only occur where necessary for safety reasons, to control invasive plants, or install and maintain erosion and sediment runoff control measures. An environmental monitor will observe work being done within the buffer, except when it is not possible for safety reasons. Work required within this buffer will be included as part of the annual report.

TABLE P-1 MITIGATION MEASURES APPLICABLE TO ALL PROJECT COMPONENTS

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-1)	Maintain or enhance existing drainage connections when designing and installing culverts for cross drainage and avoid creating outlets that either drain wetlands or constrict the natural outlet during construction.	AMEC 2013[1]	Minimize	Construction, Operations, and Closure	CEMP (Construction Environmental Management Plan)	N/A	N/A
(MT 3-4)	Maintain drainage pathways and wetland hydrology by installing appropriately sized culverts for stream and wetland crossings.	AMEC 2013[1]	Minimize	Construction, Operations, and Closure	CEMP	N/A	N/A
(MT 3-3)	Establish protected riparian areas prior to clearing at locations.	Riparian Areas Protection Regulation (2019)	Minimize	Construction, Operations, and Closure	CEMP, VMP (Vegetation Management Plan), SEPSCP (Surface Erosion Prevention and Sediment Control Plan)	N/A	Condition 5.5.1 (Wetlands)
(MT 3-3)	Locate fuel storage and refueling activities outside riparian areas.	Cox and Cullington 2009[2]	Avoid	Construction, Operations, and Closure	CEMP, FMSCP (Fuel Management and Spill Control Plan)	N/A	N/A

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-12)	Place soil salvage stockpiles in locations where they will have no impact on natural drainages. Ensure that all water and tailings pipelines that interact with or intersect wetlands are raised enough to prevents hydrologic impacts to western toad dispersal.	BC FLNRORD 2014[3]	Minimize	Early works, Construction, and Operations	CEMP, SMP (Soil Management Plan)	N/A	N/A
(MT 3-13)	Direct surface runoff from plant site grading, open pit development, TSF construction and waste rock storage area development to the TSF basin or other designed sediment control structures.	BC FLNRORD 2016[4] and Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, SEPSCP, VMP	N/A	N/A
(MT 3-14)	Control metal leaching by separating contact and non-contact surface water through diversion dams and collection trenches.	BC MEM and BC MELP 1998[5]	Minimize	Construction, Operations, and Closure	CEMP, MLARD (Metal Leaching and Acid Rock Drainage) Management Plan	Condition 13 (Construction Environmental Management Plan)	N/A
(MT 3-16)	Construct the Northern and Southern diversions to supplement the Freshwater Supply System (FWSS) to mitigate changes in flows in Davidson Creek and Chedakuz Creek, downstream of Tatelkuz Lake, and provide flexibility in apportionment of flow to Davidson Creek during Operations, and Closure.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	Mine Site Water and Discharge Monitoring and Management Plan (MSDP)	Condition 31 (Tatelkuz Lake Protection Plan)	Condition 3.8 (Fish and Fish Habitat)

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-17)	Locate project components, including roads and TL poles away from wetlands and riparian areas and alongside existing disturbed areas and existing infrastructure footprints.	Cox and Cullington 2009[2]	Avoid	Construction	VMP, CEMP, SEPSCP	N/A	N/A
(MT 3-18)	Minimize the Mine Site footprint and avoid large scale clearing of old-growth forest, riparian stands and lichen-rich stands.	Welsh et al. 1995[6]	Avoid	Construction	VMP, CEMP	N/A	N/A
(MT 3-19)	Pump water from Tatelkuz Lake to meet Davidson Creek instream flow needs until the end of Closure.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	MSDP	N/A	Condition 3.8 (Fish and Fish Habitat) Condition
(MT 3-21)	Use existing roads and follow existing linear disturbances to support TL construction. The final routing and required access roads will be established as part of the Final Transmission Line Routing Plan.	Cox and Cullington 2009[2]	Avoid	Construction	Transmission Line Integrated VMP, Transmission Line Integrated CEMP	Condition 29 (Final Transmission Line Routing Plan)	N/A
(MT 3-22)	Place towers/poles away from the banks of rivers.	Cox and Cullington 2009[2]	Avoid	Construction	CEMP	N/A	N/A
(MT 3-29)	Locate project components away from wetlands and riparian areas.	Cox and Cullington 2009[2]	Avoid	Construction	CEMP, VMP	N/A	Condition 5.2 (Wetlands)

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-2)	Minimize pesticide and fertilizer use around aquatic resources and before precipitation events to limit chemical runoff from entering wetlands.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, VMP	N/A	N/A
(MT 3-5)	Avoid clearing in wetland buffer areas.	Cox and Cullington 2009[2]	Avoid	Construction	CEMP, VMP	N/A	Condition 5.2 (Wetlands)
(MT 3-6, MT 3-27)	Replant native vegetation to expedite succession using native grasses or other plant species	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, VMP, SEPSCP	N/A	Condition 8.19 (Wildlife and Species At Risk)
(MT 3-7)	Use low ground pressure equipment or tracked equipment for work in areas with saturated soils.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, VMP	N/A	N/A
(MT 3-8, MT 3-9)	Use timber mats, driving mats, or log corduroys or other means of ground protection where needed to minimize disturbances to vegetation and reduce rutting	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, SEPSCP	N/A	N/A
(MT 3-15; DS 5.2)	Establish 30 metre of undisturbed vegetation buffer zone around wetlands located outside the Project footprint.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	VMP, CEMP	N/A	Condition 5.2 (Wetlands)
(MT 3-20)	Progressive reclamation using local native vegetation, or appropriate commercially grown, weed-free native species.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, IPMP, SEPSCP, VMP	N/A	Condition 8.19 (Wildlife and Species At Risk)

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-24)	Flag or otherwise identify clearing limits as appropriate.	Riparian Areas Protection Regulation (2019)	Avoid	Construction, Operations, and Closure	CEMP, VMP	N/A	N/A
(MT 3-28)	Implement progressive wetland restoration during construction consistent with the concept of offsetting losses of wetland functions caused by the Project.	Cox and Cullington 2009[2]	Restore	Construction, Operations, and Closure	CEMP	N/A	N/A
(MT 3-10)	Minimize unnecessary soil disturbance where possible.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, VMP, SMP	N/A	N/A
(MT 3-10)	Revegetate disturbed areas as soon as feasible with native plants where possible.	Cox and Cullington 2009[2]	Restore	Construction, Operations, and Closure	IPMP, SEPSCP, VMP, SMP	N/A	N/A
(MT 3-10)	Ensure reclamation seed mixes are appropriate for the climate and site conditions and use seed mixes that are virtually weed-free and considered Pure-Live Seed.	Cox and Cullington 2009[2]	Restore	Construction, Operations, and Closure	IPMP, VMP	N/A	N/A
(MT 3-10)	Minimize introduction and transport of invasive plants by ensuring earth moving equipment arrives in work areas clean.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, IPMP, VMP	Condition 13 (Construction Environmental Management Plan)	N/A
(MT 3-10)	Plant vegetation to minimize further impacts to wetland soils and remaining vegetation.	Cox and Cullington 2009[2]	Restore	Construction, Operations, and Closure	CEMP, VMP	N/A	Condition 8.19 (Wildlife and Species At Risk)

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-10)	Minimize the width of roads and trails consistent with maintaining safety and road design considerations.	Cox and Cullington 2009[2]	Avoid	Construction, Operations, and Closure	CEMP	N/A	N/A
(MT 3-10)	Design approaches to wetlands so that the surface runoff carrying potential sediment is diverted before entering the wetland.	Cox and Cullington 2009[2]	Avoid	Construction, Operations, and Closure	CEMP, SEPSCP	N/A	N/A
(MT 3-10)	Manage unauthorized use of roads during and after construction and operations to minimize impacts to wetlands.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, SEPSCP	Condition 37 (Community Liaison Committee and Community Effects Monitoring and Management Plan)	N/A
(MT 3-10)	Maintain road running surfaces, ditches and cross drains to minimize erosion and sediment delivery.	Cox and Cullington 2009[2]	Minimize	Construction, Operations, and Closure	CEMP, SEPSCP	N/A	N/A
(MT 3-10)	Temporary and permanent road construction will follow guidance outlined for the appropriate soil conditions.	Welsh et al. 1995[6]	Minimize	Construction, Operations, and Closure	CEMP, SMP	N/A	N/A
(MT 3-10)	Clearing practices will follow guidance outlined for the use and placement of skid trails and landings and felling practices.	Welsh et al. 1995[6]	Minimize	Construction, Operations, and Closure	CEMP	N/A	N/A

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-10)	Forest harvest practices employed during clearing will follow the general guidance outlined for felling, wind throw hazard management, and wildlife tree management.	MOF 1995[7]	Minimize	Construction, Operations, and Closure	CEMP, VMP	N/A	Condition 5.1 (Wetlands)
(MT 3-9)	Activities and works in and around wetlands will be designed and planned to minimize loss or disturbance of wetlands.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	CEMP, VMP	N/A	Condition 5.1 (Wetlands)
(MT 3-9)	Approaches to wetlands will be designed and constructed such that they are perpendicular to the margin of the wetland to minimize loss or disturbance of wetland vegetation.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	CEMP, VMP	N/A	Condition 5.2 (Wetlands)
(MT 3-9)	Activities occurring near wetlands will be planned to ensure deleterious substances (e.g., sediment, solvent, fuel, etc.) do not enter the wetland.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	CEMP, FMSCP, SEPSCP	N/A	Condition 3.1 (Fish and Fish Habitat)
(MT 3-9)	A response plan that is to be implemented immediately in the event of a sediment release or spill of a deleterious substance will be developed.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	FMSCP	Condition 11 (Care and Maintenance Plan) Condition 13 (Construction Environmental Management Plan)	Condition 10.3 (Accidents and Malfunctions)

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans	Concordance with Environmental Assessment Certificate #M19-01 Permit Conditions	Concordance with the Decision Statement of the Canadian *Environmental Assessment Act*
(MT 3-9)	Clearing of wetland vegetation will be minimized to the extent practical. Pruning or topping of vegetation will be utilized instead of grubbing.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	CEMP, VMP	N/A	N/A
(MT 3-9)	Revegetation with native species suitable for the site will be used to stabilize wetland margins disturbed by activity associated with the Project.	DFO 2013[8]	Restore	Construction, Operations, and Closure	SEPSCP, VMP	N/A	N/A
(MT 3-9)	Machinery used on site will be clean and maintained free of fluid leaks, invasive species and noxious weeds.	DFO 20138	Minimize	Construction, Operations, and Closure	IPMP, FMSCP	N/A	N/A
(MT 3-9)	Machinery will be operated on land above the high-water mark of wetlands in a manner that minimizes disturbance to the wetland.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	CEMP, SEPSCP	N/A	N/A
(MT 3-9)	Machinery will be washed, refueled and serviced in such a way as to prevent any deleterious substances from entering the wetland.	DFO 2013[8]	Minimize	Construction, Operations, and Closure	CEMP, FMSCP	N/A	N/A

Notes:

[1] Blackwater Project, B.C Feasibility Study (Americas Limited 2013).

[2] Wetland Ways: Interim Guidelines for Wetland Protection and Conservation in British Columbia (Cox and Cullington 2009).

[3] Guidelines for Amphibian and Reptile Conservation during Urban Rural Land Development in British Columbia (BC FLNRORD 2014).

[4] Best Management Practices for Amphibian and Reptile Salvages in British Columbia (BC FLNRORD 2016).

[5] Policy for Metal Leaching and Acid Rock Drainage in British Columbia (BC MEM and BC MELP 1998).

[6] Forested Wetlands – Functions, Benefits and the Use of Best Management Practices (Welsh et al. 1995).

[7] Riparian Management Area Guidebook (MOF 1995).
[8] Measures to Protect Fish and Fish Habitat (DFO 2019).
N/A – Not Applicable

TABLE P-2 MITIGATION MEASURES AND BEST MANAGEMENT PRACTICES APPLICABLE TO THE TRANSMISSION LINE

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans
R(MT 3-9)	Riparian Vegetation Management Areas (RVMAs) will be specified.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP, TL CEMP, TL Surface Erosion Prevention and Sediment Control Plan
(MT 3-9)	The hierarchy of vegetation management techniques will be implemented, which prioritizes pruning over topping or mowing of vegetation within RVMAs.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP
(MT 3-9)	Site-specific prescriptions will be developed, if required.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP, TL CEMP, TL Surface Erosion Prevention and Sediment Control Plan
(MT 3-9)	Herbicides will be applied in accordance with Use Permit.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP
(MT 3-9)	Tracks or tires from heavy equipment may not enter the RVMA unless detailed in a prescription.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP, TL CEMP, TL Surface Erosion Prevention and Sediment Control Plan

Mitigation Table ID	Mitigation Measure	Reference Document	Mitigation Hierarchy	Project Phase	Relevant Management Plans
(MT 3-9)	Streams will not be crossed by vehicles and/or heavy machinery (unless at an existing road or ford crossing) is permitted unless detailed as a special provision in a site-specific prescription.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL CEMP, TL Surface Erosion Prevention and Sediment Control Plan
(MT 3-9)	Debris will not be removed from below the high-water mark without specific regulatory agency approval.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Surface Erosion Prevention and Sediment Control Plan
(MT 3-9)	Banks will not be disturbed without specific regulatory agency approval.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Surface Erosion Prevention and Sediment Control Plan
(MT 3-9)	No refueling of hand tools (chainsaws, etc.) within at least 15 m of a waterbody.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Fuel Management and Spill Control Management Plan
(MT 3-9)	Disturbance of low-growing shrub or grass species will be kept to a minimum.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP, TL CEMP
(MT 3-9)	Trees will be directionally felled away from stream banks and aquatic areas to the extent allowed by the need to maintain safe working clearances from the electrical system.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Surface Erosion Prevention and Sediment Control Plan
(MT 3-9)	Site restoration will be completed during optimal seasonal timing (e.g., planting is best done in the spring and fall).	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP
(MT 3-9)	Vegetation clearing contractors will only work within 15 m of a waterbody for which a generic or site-specific prescription is provided.	BC Hydro 2003[1]	Minimize	Construction, Operations, and Closure	TL Integrated VMP, TL CEMP, TL Surface Erosion Prevention and Sediment Control Plan

Note: [1] Approved Work Practices for Managing Riparian Vegetation: A Guide to Incorporating Riparian Environmental Concerns into the Management of Vegetation in BC Hydro's Transmission and Distribution Corridors (BC Hydro 2003).

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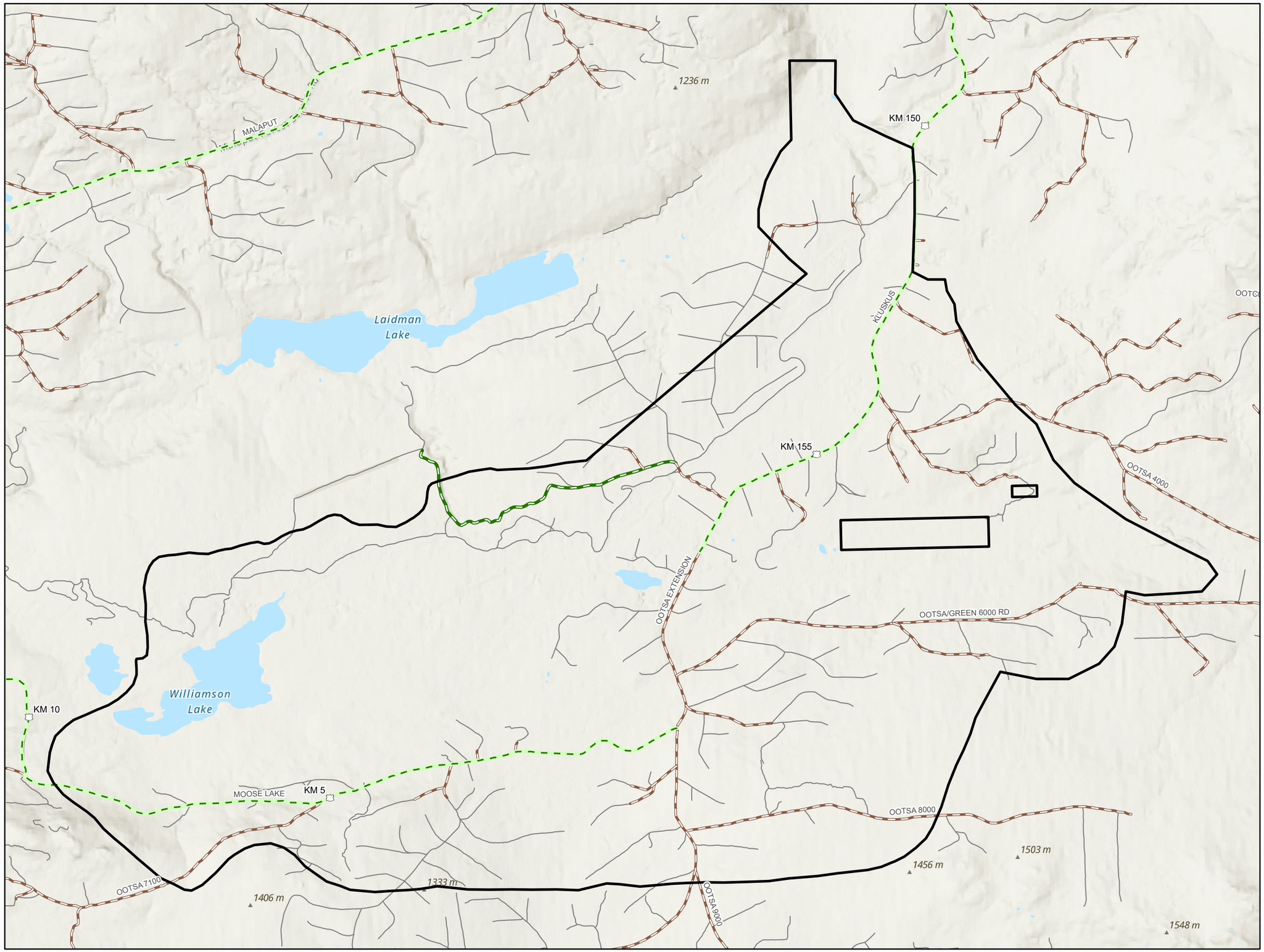
APPENDIX Q OFFSETTING SITE LAND SECUREMENT MAPS



Map Notation
MN6167

MapNotation

Main Rds

Id

- Main HWY
- HWY Rds
- DRA Main

Main_Tenured_Static

- FSR
- RP

FTEN Road Sections

- FSR
- RP
- SUP
- Road

Scale: 1:50,000

Disclaimer: The intent of this map is to provide an overview for referral purposes and is not to be used as a legal boundaries map

Produced for:
Lori Borth

Produced by:
Ministry of Forests

N

Date: 2022-10-31
User Name: irniblet

Coordinate System: NAD 1983 BC Environment Albers
Projection: Albers
Datum: North American 1983

Document Path:
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Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, USDA, NRCan, Parks Canada, Esri, NASA, NGA, USGS, FEMA

Province of British Columbia

EXHIBIT A

MAP OF : MN6167 - Miscellaneous Amendment #1 (shown in bold black)			
FOREST REGION : ROM FOREST DISTRICT : DVA	TSA : LAND DISTRICT : RANGE 4 COAST DISTRICT	PULPWOOD AGREEMENT :	MGT UNIT TYPE : MGT UNIT NO :
ESF SUBMISSION ID : 2074215 BCGS MAPSHEET NO : 93F.015	SCALE : 1:50000 at ANSI B Size Area (Ha): 8087.966	UTM : 10 NAD : NAD83	DRAWN BY : FTA DATE : Jul 26, 2021

Save & Except:
- MN4826 - PD76024 6000996
- MN4851 - PD76024
- MN4852 - 12AL1228
- MN6167 - 12AL1227
- A18157 12H - TR0601T002
- A18157 12K - TR0601T007
- A18157 12M
- A18157 12O
- A18157 12R
- A18157 12S
- A18157 12T
- A18157 12U
- L51484
- RAN078001
- 7655 01
- 7655 28
- 7655 60
- R07937 EA
- R07937 HH
- R07937 IA
- R07937 IH
- R07937 JA
- R07937 KA
- R07937 KG
- R07937 LG
- R07937 MA
- R07937 MG
- R07937 NA
- R07937 NK
- R07937 OA
- R07937 PB
- R07937 QB
- R07937 RB
- R07937 SB
- R07937 TF
- R07937 UJ
- R07937 VJ
- R07937 WJ
- R07937 XE
- R07937 XJ
- R08204 D
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- R08204 F
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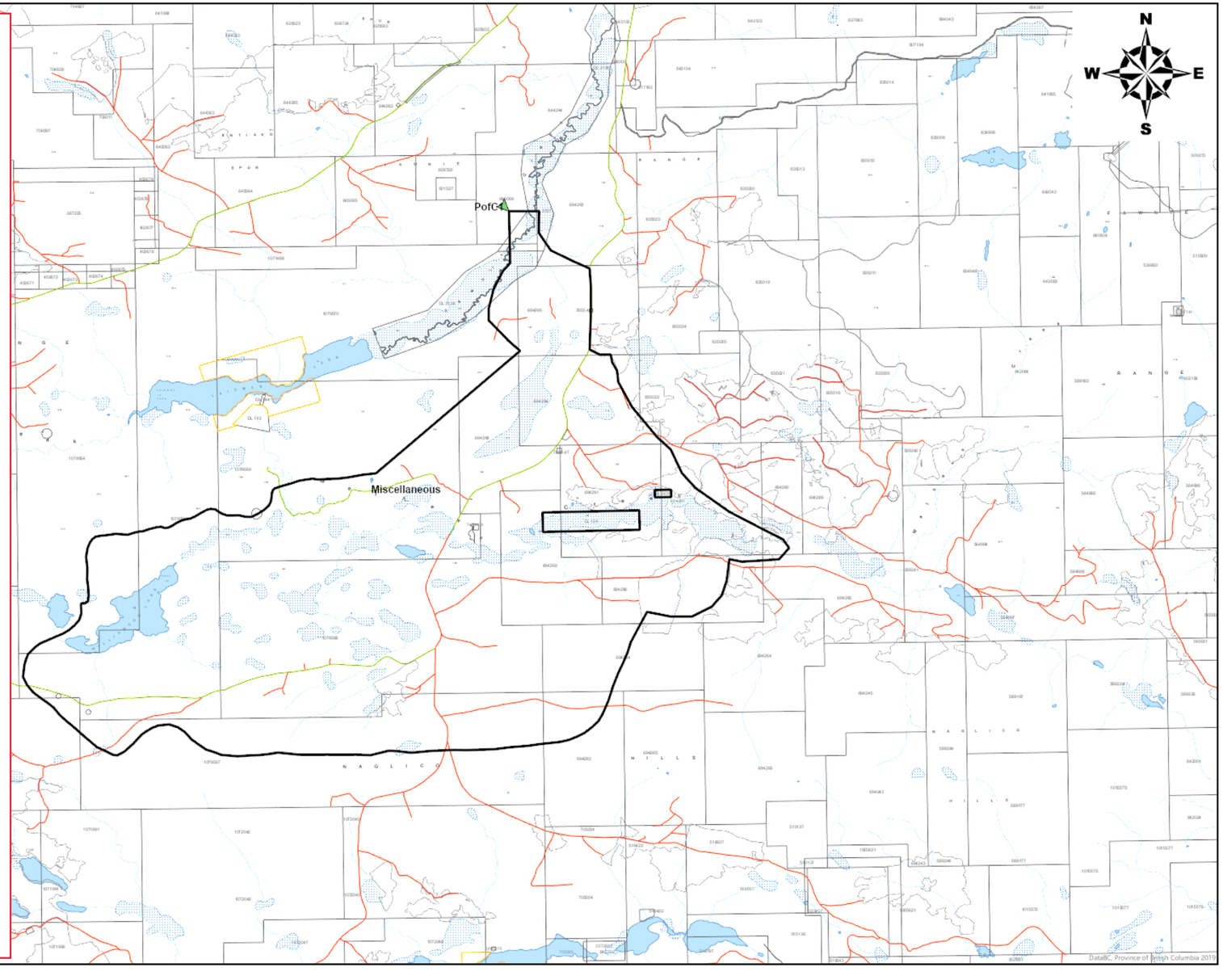
- S26563
- 7409404 LICENCE
- EP1369
- Matthews Creek PD76024
- Matthews Creek PD77785



Legend

- Tenure Application
- Tenure Road Application
- Retired Tenure Road
- P of C
- P of T
- Crown Tenures
- Survey Parcels
- Freeway
- Arterial/Collector Road
- Local Road
- Forest Service Road
- Road Permit Road
- SUP Road
- Right of Way
- Non Status Road
- Recreation Trails
- Transmission Lines
- Pipelines
- Railway Tracks
- MSMA Treated Trees
- Lakes/Rivers/Streams
- Ocean
- Prov. Parks & Eco. Reserves

Miscellaneous (8087.966 Ha)
PofC1 UTM10 359780, 5893071
PofC2 UTM10 362564, 5887184
PofC3 UTM10 362225, 5886778

APPENDIX R PIEZOMETER INSTALLATIONS AND MONITORING (PALMER 2021)

74 Berkeley Street, Toronto, ON M5A 2W7
Tel: 647-795-8153 | www.pecg.ca

Memorandum

Date: June 13, 2022

Project #: 2006504

To: Travis Desormeaux

From: Nolan Boyes, M.Sc., P.Geo.

Cc: Jason Cole, M.Sc., P.Geo. and Josh Jodoin

Re: **Field Summary for Shallow Groundwater Well Installations within the Mathews Creek Wetland Complex**

1. Introduction

Palmer is pleased to present this Technical Memorandum summarizing the completion of the shallow groundwater well (herein referred to as mini-piezometers (MP)) installation program for the Mathews Creek Wetland Complex. This program was completed to support ERM's efforts to characterize the baseline groundwater conditions at Mathews Creek for the Blackwater Project. This program was designed to integrate ERM's outlined scope of work with site specific conditions observed within the wetland complex. ERM's scope of work is outlined below:

> *Three groups of shallow groundwater wells should be installed (one in the east, one in the west, and one in the center). The wells will consist of 152 cm long, 2.5cm diameter, slotted PVC pipe with a drive point, and will be installed approximately 1m into the ground using a hand auger and a sledgehammer. Three wells should be installed in a lateral cross-section of the wetland perpendicular to the assumed direction of flow (following Mathews Creek). Four to five wells should be installed parallel to the assumed direction of flow to create a longitudinal cross-section.*
>
> *Static and continuous monitoring should be conducted at each group of wells. Static monitoring is the manual measurement of the depth of water below the monitoring well standpipes this should be recorded monthly from May to October 2022. Continuous monitoring will use automated pressure transducers and level loggers collecting data in 4 wells at each group. Water levels will be recorded at 15 minutes intervals over 12 months.*

Palmer expanded upon the above scope of work to include the installation a 5 cm diameter, slotted PVC stilling wells at each MP location to obtain true wetland surface water levels in addition to the shallow piezometric head levels obtained by the shallow groundwater well (MPs). This additional water level data will provide valuable insights into the duration and depth of inundation of the wetlands and allow for quantification of the vertical hydraulic gradient at each MP location to assess both horizontal and vertical movement of shallow groundwater in the valley. This will provide an overall benefit for further wetland

offsetting design as the groundwater recharge/ discharge function of the valleylands can be characterized.

2. Summary of Field Program

Reconnaissance of wetland communities within the Mathews Creek valley was completed by staff from Ecologic and Palmer on May 11th and May 12th, 2022, to identify wetland areas such that the location of the MPs could be finalized. Specific MP installation locations were selected based upon wetland community type, hydrological conditions, access for monitoring, and the direction of expected groundwater flow to provide an overall characterization of the existing conditions within the Mathews Creek Wetland Complex.

The MPs were installed between May 13th and May 16th, 2022, by staff from Palmer and Avison. The location of each MP installation is provided in **Figure 1**, and installation details are provided in **Table 1**.

Each installation location included a 3.2 m steel pipe with a drive point installed approximately 1.5 m into the ground, as well as a 1.6 m slotted PVC pipe installed approximately 0.8 m into the ground. The intention of this installation method is to collect information on the shallow groundwater levels and the surface water levels throughout the wetland complex.

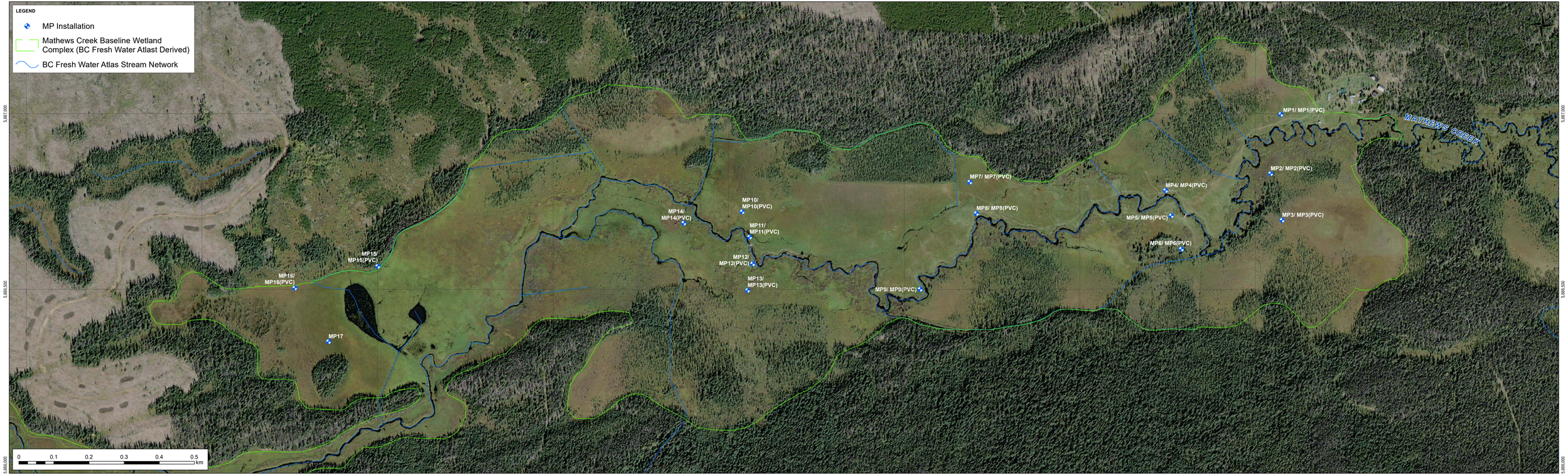
Prior to each MP installation, hand augers were used to characterize the upper 2 m of soil to provide a broad assessment of surficial geology and soil permeability in the valley (**Table 1**). Overall, the vegetation communities and soil conditions within the valleylands were found to be generally consistent across each monitoring location.

Thirteen (13) MPs were equipped with a Solinst Levelogger M5 automatic datalogger to record continuous water levels every 15 minutes. Groundwater and surface water monitoring of the installed MPs will occur monthly from May to October 2022 using manual measurements. Automatic data loggers will collect continuous groundwater level every 15 minutes over 12 months.

Table 1. MP Installation Details

Mini-Piezometer ID	Total MP Length (m)	Depth of Install (m)	Screen Length (m)	Screened Geology	Logger Installation
MP1	3.20	1.50	0.30	Silty Clay	**Yes**
MP1 (PVC)	1.66	0.86	1.50	Peat / Silty Clay	**No**
MP2	3.20	1.47	0.30	Silty Clay / Peat	**No**
MP2 (PVC)	1.66	0.80	1.50	Peat / Silty Clay	**No**
MP3	3.20	1.46	0.30	Peat	**Yes**
MP3 (PVC)	1.66	0.86	1.50	Peat	**No**
MP4	3.20	1.50	0.30	Peat / Sandy Silt	**Yes**
MP4 (PVC)	1.66	1.03	1.50	Silty Clay	**Yes**
MP5	3.20	1.50	0.30	Silty Sand / Silty Clay	**Yes**
MP5 (PVC)	1.66	0.77	1.50	Silty Sand	**No**

Mini-Piezometer ID	Total MP Length (m)	Depth of Install (m)	Screen Length (m)	Screened Geology	Logger Installation
MP6	3.20	1.80	0.30	Silty Clay / Silty Sand	**Yes**
MP6 (PVC)	1.66	0.91	1.50	Silty Clay	**No**
MP7	3.20	1.50	0.30	Peat	**Yes**
MP7 (PVC)	1.66	0.77	1.50	Peat	**No**
MP8	3.20	1.50	0.30	Silty Sand / Silty Clay	**Yes**
MP8 (PVC)	1.66	0.84	1.50	Silty Clay	**No**
MP9	3.20	1.50	0.30	Silty Sand	**Yes**
MP9 (PVC)	1.66	0.88	1.50	Silty Clay	**No**
MP10	3.20	1.50	0.30	Peat	**No**
MP10 (PVC)	1.66	0.81	1.50	Peat / Silty Clay	**No**
MP11	3.20	1.50	0.30	Peat / Silty Sand	**Yes**
MP11 (PVC)	1.66	0.87	1.50	Silty Clay	**No**
MP12	3.20	1.50	0.30	Peat / Silty Clay	**Yes**
MP12 (PVC)	1.66	0.82	1.50	Silty Clay	**No**
MP13	3.20	1.50	0.30	Silty Clay	**No**
MP13 (PVC)	1.66	0.76	1.50	Peat	**No**
MP14	3.20	1.50	0.30	Silty Sand	**Yes**
MP14 (PVC)	1.66	0.83	1.50	Silty Clay	**No**
MP15	3.20	1.35	0.30	Silty Sand, Some Gravel	**No**
MP15 (PVC)	1.66	0.83	1.50	Peat and Silty Sand	**No**
MP16	2.30	1.54	0.30	Peat	**Yes**
MP16 (PVC)	1.66	0.89	1.50	Peat	**No**
MP17	3.54	1.5	0.30	Peat	**No**


LEGEND
MP Installation
Mathews Creek Baseline Wetland Complex (BC Fresh Water Atlast Derived)
BC Fresh Water Atlas Stream Network
359,000
359,500
360,000
360,500
361,000
361,500
362,000
362,500
363,000
5,887,000
5,886,500
5,886,000
MP1/ MP1(PVC)
MATHEWS CREEK
MP2/ MP2(PVC)
MP3/ MP3(PVC)
MP4/ MP4(PVC)
MP5/ MP5(PVC)
MP6/ MP6(PVC)
MP7/ MP7(PVC)
MP8/ MP8(PVC)
MP9/ MP9(PVC)
MP10/ MP10(PVC)
MP11/ MP11(PVC)
MP12/ MP12(PVC)
MP13/ MP13(PVC)
MP14/ MP14(PVC)
MP15/ MP15(PVC)
MP16/ MP16(PVC)
MP17
0
0.1
0.2
0.3
0.4
0.5
km

470 Granville Street, Suite 630, Vancouver, BC V6C 1V5
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Memorandum

Date: August 12, 2022
Project #: 1704214

To: Ryan Durand and Daniel McAllister
From: Nathalie Brandebourger, M.Sc. and Nolan Boyes, M.Sc., P.Geo.
Cc: Jason Cole, M.Sc., P.Geo. and Josh Jodoin, B.Es., EP.
Re: **MRC Round 2 - Comment 60 - Field Summary for Shallow Groundwater Well Installations within Selected Wetlands**

1. Introduction

Artemis Gold Inc was granted a certificate under the *Environmental Assessment Act* for the Backwater Gold Project. The Project involves the development of an open pit gold and silver mine approximately 160 km southwest of Prince George, BC. Project components and activities include development of the mine site and access road, construction of the freshwater supply system, airstrip and access road, and electrical transmission line.

To support future wetland offsetting, Ecologic has been retained to collect baseline information on wetlands where mine construction and operations will occur and including but not limited to the Mine Access Road (MAR) and Transmission Line (TL), as described in sections 1.3 to 1.5 of the RFP. Hydrogeological/ hydrological specialists from Palmer were retained by Ecologic to complete a detailed hydrological and hydrogeological assessment of selected wetlands across all wetland types to establish baseline wetland hydroperiods as part of the long-term offsetting strategy.

Palmer is pleased to present this Technical Memorandum summarizing the completion of the shallow groundwater well installation program (herein referred to as mini-piezometers (MPs)) for selected wetlands based on the results of the wetland mapping task undertaken by Ecologic. This program was designed to integrate Artemis' scope of work in accordance with Section 1.5.2 of the RFP, outlined below:

"Hydrological function will need to be specifically studied at select wetlands across all wetland types by installing shallow groundwater piezometers and level loggers. During wetland ecosystem field surveys, a selection of wetland types in a variety of landscape positions will be identified. Selection criteria and justification will be documented. Shallow groundwater wells will be installed in the selected wetlands and will consist of 152 cm long, 2.5 cm diameter, slotted PVC pipe. The piezometers will be installed using a drive point, to approximately 1 m into the ground. Depending on the wetland, 4 to 8 groundwater wells will need to be installed at each site in a cross pattern. One axis of the cross will be perpendicular to the assumed direction of flow and the other parallel to the assumed direction of flow.

Wetland elevations relative to one another will be surveyed using a builders level, total station, or differential GPS accurate to within 5 cm vertical. In each wetland a minimum of two (2) level loggers will be installed

to record water levels from June through November at 15-minute intervals. A barologger will also need to be installed at one of the sites to correct for barometric pressure changes during the monitoring period."

Palmer expanded upon the above scope of work to include the installation a 5 cm diameter, slotted PVC stilling well at each MP location to obtain true wetland surface water levels in addition to the shallow piezometric head levels obtained by the shallow groundwater wells (MPs). This additional water level data will provide valuable insights into the duration and depth of inundation of the wetlands and allow for quantification of the vertical hydraulic gradient at each MP location to assess both horizontal and vertical movement of shallow groundwater in the valley. This will provide an overall benefit for further wetland offsetting design as the groundwater recharge/ discharge function of the valleylands can be characterized.

2. Summary of Field Program

Reconnaissance of wetland communities was completed by staff from Ecologic during the week of June 11th 2022. The purpose of this reconnaissance was to classify wetland community types and identify wetlands that would be suitable for long-term water level monitoring. Overall, the wetland communities within project area were found to be generally consistent (i.e., few differing wetland community types) and therefore MP installation location targeted representative communities within the project footprint and outside the project footprint to establish baseline conditions.

The MPs were installed between June 20th and June 30th, 2022, by staff from Palmer. A total of 4 wetland areas were selected to be instrumented. Between 4 to 5 MPs were installed at each wetland in a cross-pattern perpendicular/parallel to the expected groundwater flow direction. The location of each wetland is provided in **Figure 1.** The detailed location of each MP installation within the individual wetland community is provided in **Figures 2 to 5**. Installation details for each MP are provided in **Table 1**. A photograph log is presented in **Appendix A** documenting each wetland.

Each installation location included a 3.2 m steel pipe with a drive point installed approximately 1.5 m into the ground, as well as a 1.6 m slotted PVC pipe installed approximately 0.8 m into the ground. The intention of this installation method is to collect information on the shallow groundwater levels and the surface water levels throughout the four wetland complexes. Manual surface and shallow groundwater water levels were measured after the MPs installation (**Table 2**).

Prior to each MP installation, hand augers were used to extract the upper 2 m of soil for characterization to provide a broad assessment of surficial geology and soil permeability in the valley. Details on the soils at each MP location is presented in **Table 1**.

Twelve (12) MPs were equipped with a Solinst Levelogger M5/M10 automatic datalogger to record continuous groundwater levels every 15 minutes from June 2022 to November 2022. One (1) barologger has been installed to correct the data for barometric pressure over the same time interval.

Please note, due to the low permeability soils encountered at each of the wetlands, it is likely that the water level data presented in **Table 2** for the deeper steel MPs does not represent a static condition. We expect that the groundwater level will rise over the next 1-2 months until equilibrium is established. The shallow PVC standpipe MPs are expected to have captured static surface water levels at each location to assess wetland hydrology at the time of measurement.

Table 1. MP Installation Details

Wetland ID	Mini-Piezometer ID	Coordinates				Elevation (masl)	Depth of Install (m)	Screen Length (m)	Screened Geology	Logger Installation
		Longitude	Latitude	Northing	Easting					
4	MP4-1 (Steel)	53.20114709	-124.8209878	5896195	378367.3	1245.58	1.32	0.30	0-1.3 m: Peat and dark brown clay 1.3-2 m: Hard soil, gravely	**Yes**
	MP4-1 (PVC)	53.20114709	-124.8209878	5896195	378367.3	1245.58	0.8	1.50		**No**
	MP4-2 (Steel)	53.20109613	-124.8211217	5896189	378358.2	1245.66	1.35	0.30		**Yes**
	MP4-2 (PVC)	53.20109613	-124.8211217	5896189	378358.2	1245.66	0.8	1.50		**No**
	MP4-3 (Steel)	53.20096631	-124.8210799	5896175	378360.7	1245.56	1.25	0.30		**Yes**
	MP4-3 (PVC)	53.20096631	-124.8210799	5896175	378360.7	1245.56	0.8	1.50		**No**
	MP4-4 (Steel)	53.20110091	-124.8210199	5896190	378365	1245.66	1.31	0.30		**No**
	MP4-4 (PVC)	53.20110091	-124.8210199	5896190	378365	1245.66	0.8	1.50		**No**
	MP4-5 (Steel)	53.20108758	-124.8208851	5896188	378374	1245.47	1.55	0.30		**No**
	MP4-5 (PVC)	53.20108758	-124.8208851	5896188	378374	1245.47	0.8	1.50		**No**
9	MP9-1 (Steel)	53.18081487	-124.8505991	5893984	376331.1	1454.44	1.5	0.30	0-1.7 m: Peat 1.7-2 m: Brown/Reddish Clay	**No**
	MP9-1 (PVC)	53.18081487	-124.8505991	5893984	376331.1	1454.44	0.8	1.50		**No**
	MP9-2 (Steel)	53.180925	-124.850057	5893995	376368	1454.38	1.5	0.30		**Yes**
	MP9-2 (PVC)	53.180925	-124.850057	5893995	376368	1454.38	0.8	1.50		**No**
	MP9-3 (Steel)	53.18075101	-124.8508849	5893977	376311.8	1454.5	1.5	0.30		**Yes**
	MP9-3 (PVC)	53.18075101	-124.8508849	5893977	376311.8	1454.5	0.8	1.50		**No**
	MP9-4 (Steel)	53.18070993	-124.8505738	5893972	376332.5	1454.29	1.44	0.30		**Yes**
	MP9-4 (PVC)	53.18070993	-124.8505738	5893972	376332.5	1454.29	0.8	1.50		**No**
11	MP11-1 (Steel)	53.19769336	-124.8656551	5895888	375374	1342.7	1.46	0.30	0-1 m: Peat 1-2 m: Brown Clay with roots and organics	**Yes**
	MP11-1 (PVC)	53.19769336	-124.8656551	5895888	375374	1342.7	0.8	1.50		**No**
	MP11-2 (Steel)	53.19789326	-124.8659146	5895910	375357.3	1342.6	1.5	0.30		**Yes**
	MP11-2 (PVC)	53.19789326	-124.8659146	5895910	375357.3	1342.6	0.8	1.50		**No**

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Wetland ID	Mini-Piezometer ID	Coordinates				Elevation (masl)	Depth of Install (m)	Screen Length (m)	Screened Geology	Logger Installation
		Longitude	Latitude	Northing	Easting					
	MP11-3 (Steel)	53.19818476	-124.8658202	5895942	375364.4	1342.66	1.5	0.30	0-1 m: Peat 1-2 m: Brown Clay with roots and organics	**Yes**
	MP11-3 (PVC)	53.19818476	-124.8658202	5895942	375364.4	1342.66	0.8	1.50		**No**
	MP11-4 (Steel)	53.19791463	-124.8656586	5895912	375374.5	1342.64	1.5	0.30		**No**
	MP11-4 (PVC)	53.19791463	-124.8656586	5895912	375374.5	1342.64	0.8	1.50		**No**
	MP11-5 (Steel)	53.197951	-124.8656401	5895916	375375.8	1342.61	1.5	0.30		**No**
	MP11-5 (PVC)	53.197951	-124.8656401	5895916	375375.8	1342.61	0.8	1.50		**No**
15	MP15-1 (Steel)	53.15976518	-124.8454334	5891634	376615.9	1587.02	1.47	0.30	0-1.5 m: Peat 1.5-2 m: Hard soil, stoney	**Yes**
	MP15-1 (PVC)	53.15976518	-124.8454334	5891634	376615.9	1587.02	0.8	1.50		**No**
	MP15-2 (Steel)	53.1598587	-124.8452992	5891644	376625.2	1586.73	1.56	0.30		**Yes**
	MP15-2 (PVC)	53.1598587	-124.8452992	5891644	376625.2	1586.73	0.8	1.50		**No**
	MP15-3 (Steel)	53.16001921	-124.8453801	5891662	376620.2	1587.01	1.46	0.30		**Yes**
	MP15-3 (PVC)	53.16001921	-124.8453801	5891662	376620.2	1587.01	0.8	1.50		**No**
	MP15-4 (Steel)	53.15980705	-124.8454688	5891639	376613.7	1587.2	1.54	0.30		**No**
	MP15-4 (PVC)	53.15980705	-124.8454688	5891639	376613.7	1587.2	0.8	1.50		**No**
	MP15-5 (Steel)	53.15994596	-124.8455217	5891654	376610.5	1587.57	1.24	0.30		**No**
	MP15-5 (PVC)	53.15994596	-124.8455217	5891654	376610.5	1587.57	0.8	1.50		**No**
N/A	Barologger	53.18425646	-124.8675911	5894396	375205.7	N/A	N/A	N/A	N/A	N/A

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Table 2. Water Level Measurements

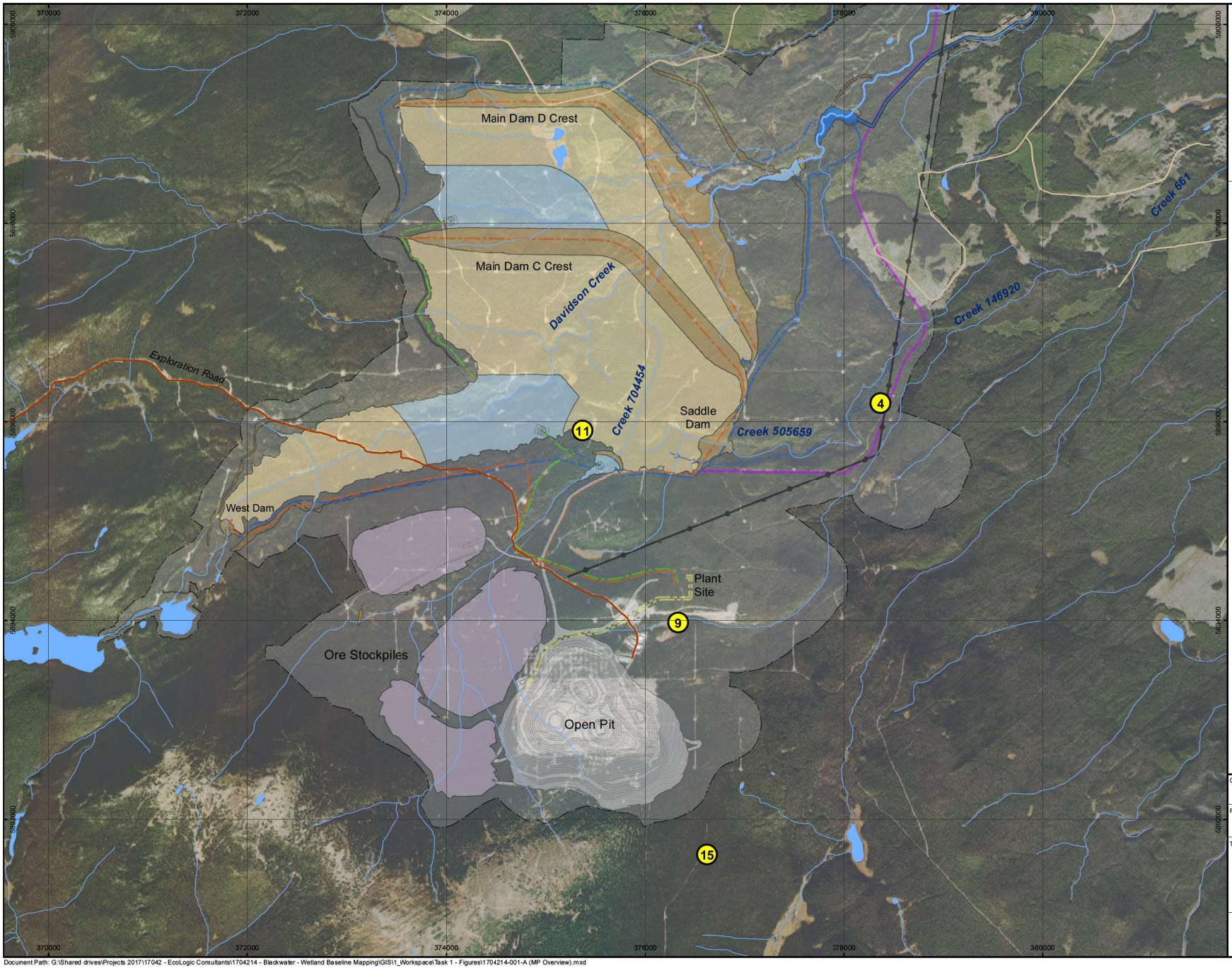
Wetland ID	Mini-Piezometer ID	Elevation (masl)	Date of measurement	Stick-up (m)	Water Level (mbtoc)
4	MP4-1 (Steel)	1245.58	29-Jun-22	1.88	**2.67**
	MP4-1 (PVC)	1245.58	29-Jun-22	0.8	**0.76**
	MP4-2 (Steel)	1245.66	29-Jun-22	1.85	**2.62**
	MP4-2 (PVC)	1245.66	29-Jun-22	0.8	**0.71**
	MP4-3 (Steel)	1245.56	29-Jun-22	1.95	**2.77**
	MP4-3 (PVC)	1245.56	29-Jun-22	0.8	**0.74**
	MP4-4 (Steel)	1245.66	29-Jun-22	1.89	**2.06**
	MP4-4 (PVC)	1245.66	29-Jun-22	0.8	**0.75**
	MP4-5 (Steel)	1245.47	29-Jun-22	1.65	**2.64**
	MP4-5 (PVC)	1245.47	29-Jun-22	0.8	**0.785**
9	MP9-1 (Steel)	1454.44	28-Jun-22	1.7	**1.74**
	MP9-1 (PVC)	1454.44	21-Jun-22	0.8	**0.85**
	MP9-2 (Steel)	1454.38	28-Jun-22	1.7	**1.64**
	MP9-2 (PVC)	1454.38	21-Jun-22	0.8	**0.84**
	MP9-3 (Steel)	1454.5	28-Jun-22	1.7	**2.8**
	MP9-3 (PVC)	1454.5	28-Jun-22	0.8	**0.805**
	MP9-4 (Steel)	1454.29	28-Jun-22	1.76	**2.15**
	MP9-4 (PVC)	1454.29	28-Jun-22	0.8	**0.67**
11	MP11-1 (Steel)	1342.7	29-Jun-22	1.74	**2.84**
	MP11-1 (PVC)	1342.7	29-Jun-22	0.8	**0.85**
	MP11-2 (Steel)	1342.6	29-Jun-22	1.7	**1.81**
	MP11-2 (PVC)	1342.6	29-Jun-22	0.8	**0.75**
	MP11-3 (Steel)	1342.66	29-Jun-22	1.7	**2.88**
	MP11-3 (PVC)	1342.66	29-Jun-22	0.8	**0.73**
	MP11-4 (Steel)	1342.64	29-Jun-22	1.7	**2.99**
	MP11-4 (PVC)	1342.64	29-Jun-22	0.8	**0.65**
	MP11-5 (Steel)	1342.61	29-Jun-22	1.7	**2.74**
	MP11-5 (PVC)	1342.61	29-Jun-22	0.8	**0.65**
15	MP15-1 (Steel)	1587.02	30-Jun-22	1.73	**2.26**
	MP15-1 (PVC)	1587.02	30-Jun-22	0.8	**0.485**
	MP15-2 (Steel)	1586.73	30-Jun-22	1.64	**3.13**
	MP15-2 (PVC)	1586.73	30-Jun-22	0.8	**0.4**
	MP15-3 (Steel)	1587.01	30-Jun-22	1.74	**2.93**
	MP15-3 (PVC)	1587.01	30-Jun-22	0.8	**0.85**
	MP15-4 (Steel)	1587.2	30-Jun-22	1.66	**2.89**

Wetland ID	Mini-Piezometer ID	Elevation (masl)	Date of measurement	Stick-up (m)	Water Level (mbtoc)
	MP15-4 (PVC)	1587.2	30-Jun-22	0.8	**0.49**
	MP15-5 (Steel)	1587.57	30-Jun-22	1.96	**2.91**
	MP15-5 (PVC)	1587.57	30-Jun-22	0.8	**0.36**

3. Closure

We trust that this field memo will be satisfactory for your current needs.

If you have any questions or require further information, please do not hesitate to contact Joshua Jodoin at joshua.jodoin@pecg.ca.



KEY MAP

LEGEND

- Wetland Location
- Existing Watercourse
- Contour (25 m)
- Existing Waterbody
- Mine Footprint

Mine Site Plan (Year 23)

- Embankment Fill
- Freshwater Reservoir or Channel Connector
- Mine Water
- Tailings Beach and PAG Waste Rock (Submerged)
- Ore Stockpile
- Proposed Transmission Line
- Fresh Water Supply Pipeline
- Mine Access
- Water Diversion Pipeline
- Water Reclaim Pipeline
- Tailings Pipeline
- Open Pit Dewatering Pipeline
- Spillway

DRAFT

0 500 1 000 1,500 2,000
METRE SCALE

North American Datum 1983
Universal Transverse Mercator Projection Zone 10

Scale: 1:37,000
Page Size: Tabloid (11 x 17 inches)

Drawn: BE
Checked: NB
Date: Aug 12, 2022

Source Notes:
Site plan information provided by Artemis Gold Inc. Imagery (2013) provided by Esri basemap service

NORTH

CLIENT: EcoLogic Consultants

PROJECT: Blackwater - Wetland Baseline Mapping

TITLE: **Wetland Locations**

Palmer™

REF. NO. 1704214-001-B

Figure 1

Document Path: G:\Shared drives\Projects 2017\17042 - EcoLogic Consultants\1704214 - Blackwater - Wetland Baseline Mapping\GIS\1_Workspace\Task 1 - Figures\1704214-001-A (MP Overview).mxd

KEY MAP

LEGEND

Mini-Piezometer Location

0 5 10 15 20

METRE SCALE

North American Datum 1983
Universal Transverse Mercator Projection Zone 10

Scale: 1:400
Page Size: Tabloid (11 x 17 inches)

Drawn: BE
Checked: NB
Date: Jul 11, 2022

Source Notes:
Imagery (2011) provided by Amec.

NORTH

CLIENT
EcoLogic Consultants

PROJECT
Blackwater - Wetland Baseline Mapping

TITLE
MP-4 Locations

Palmer™

REF. NO. 1704214-002-A

Figure 2

Document Path: G:\Shared drives\Projects 2017\17042 - EcoLogic Consultants\1704214 - Blackwater - Wetland Baseline Mapping\GIS\1_Workspace\Task 1 - Figures\1704214-002-A (MP Detail).mxd

KEY MAP

LEGEND

Mini-Piezometer Location

0 5 10 15 20

METRE SCALE

North American Datum 1983
Universal Transverse Mercator Projection Zone 10

Scale: 1:400
Page Size: Tabloid (11 x 17 inches)

Drawn: BE
Checked: NB
Date: Jul 11, 2022

Source Notes:
Imagery (2011) provided by Amec.

NORTH

CLIENT

EcoLogic Consultants

PROJECT

Blackwater - Wetland Baseline Mapping

TITLE

MP-9 Locations

Palmer™

REF. NO. 1704214-002-A

Figure 3

Document Path: G:\Shared drives\Projects 2017\17042 - EcoLogic Consultants\1704214 - Blackwater - Wetland Baseline Mapping\GIS\1_Workspace\Task 1 - Figures\1704214-002-A (MP Detail).mxd

KEY MAP

LEGEND

Mini-Piezometer Location

0 5 10 15 20

METRE SCALE

North American Datum 1983
Universal Transverse Mercator Projection Zone 10

Scale: 1:400
Page Size: Tabloid (11 x 17 inches)

Drawn: BE
Checked: NB
Date: Jul 11, 2022

Source Notes:
Imagery (2011) provided by Amec.

NORTH

CLIENT
EcoLogic Consultants

PROJECT
Blackwater - Wetland Baseline Mapping

TITLE
MP-11 Locations

Palmer™

REF. NO. 1704214-002-A

Figure 4

Document Path: G:\Shared drives\Projects 2017\17042 - EcoLogic Consultants\1704214 - Blackwater - Wetland Baseline Mapping\GIS\1_Workspace\Task 1 - Figures\1704214-002-A (MP Detail).mxd

KEY MAP

LEGEND

Mini-Piezometer Location

0 5 10 15 20

METRE SCALE

North American Datum 1983
Universal Transverse Mercator Projection Zone 10

Scale: 1:400
Page Size: Tabloid (11 x 17 inches)

Drawn: BE
Checked: NB
Date: Jul 11, 2022

Source Notes:
Imagery (2011) provided by Amec.

NORTH

CLIENT
EcoLogic Consultants

PROJECT
Blackwater - Wetland Baseline Mapping

TITLE
MP-15 Locations

Palmer™

REF. NO. 1704214-002-A

Figure 5

Document Path: G:\Shared drives\Projects 2017\17042 - EcoLogic Consultants\1704214 - Blackwater - Wetland Baseline Mapping\GIS\1_Workspace\Task 1 - Figures\1704214-002-A (MP Detail).mxd

Appendix A: Photographic Log

Client Name:	Project No.	Site Location:
Ecologic Consultants Ltd.	1704214	Blackwater

Photo #:	Date.
1	6/14/2022

Description

Wetland Number 4.
Northeast facing photo.

Photo #:	Date.
2	6/14/2022

Description

Wetland Number 9.
Southwest facing photo.

Appendix A: Photographic Log

Client Name:	Project No.	Site Location:
Ecologic Consultants Ltd.	1704214	Blackwater

Photo #:	Date.
3	6/14/2022

Description

Wetland Number 11.
North facing photo.
Person present in photo: Nolan Boyes (Palmer) .

Photo #:	Date.
4	6/14/2022

Description

Wetland Number 15.
North facing photo.

Appendix A: Photographic Log

Client Name:	Project No.	Site Location:
Ecologic Consultants Ltd.	1704214	Blackwater

Photo #:	Date.
5	6/14/2022

Description

Wetland Number 4.
Mini-piezometer Identification: MP4-2.
Person present in photo: Nolan Boyes (Palmer).
South facing photo.

Photo #:	Date.
6	6/14/2022

Description

Wetland Number 9.
Mini-piezometer Identification: MP9-1.
Person present in photo: Nolan Boyes (Palmer)
South facing photo

Appendix A: Photographic Log

Client Name:	Project No.	Site Location:
Ecologic Consultants Ltd.	1704214	Blackwater

Photo #:	Date.
7	6/14/2022

Description

Wetland Number 9.
Mini-piezometer Identification: MP9-4.
Southeast facing photo.

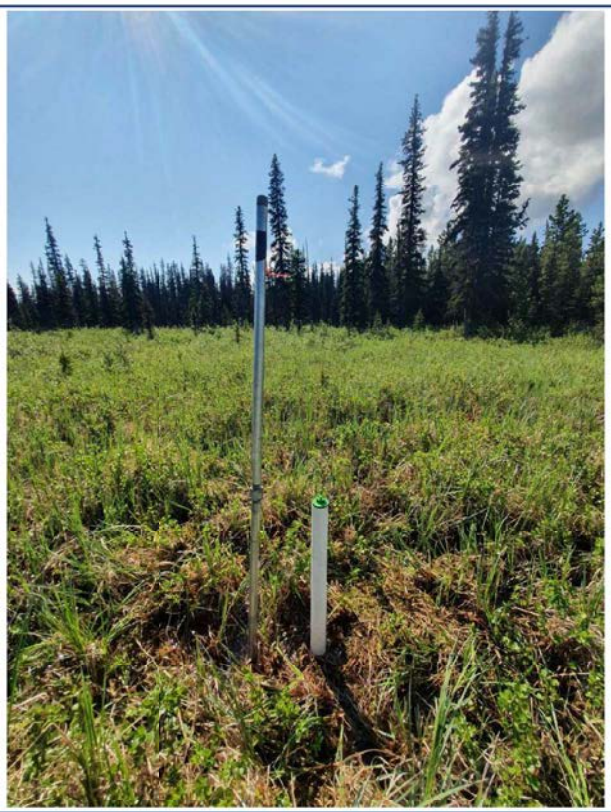


Photo #:	Date.
8	6/14/2022

Description

Wetland Number 11.
Mini-piezometer Identification: MP11-1.
Person present in photo: Nolan Boyes (Palmer)
North facing photo.

Appendix A: Photographic Log

Client Name:	Project No.	Site Location:
Ecologic Consultants Ltd.	1704214	Blackwater

Photo #:	Date.
9	6/14/2022

Description

Wetland Number 11.
Mini-piezometer Identification: MP11-2.
Person present in photo: Nolan Boyes (Palmer).
Northwest facing photo.

Photo #:	Date.
10	6/14/2022

Description

Wetland Number 15.
Mini-piezometer Identification: MP15-1.
West facing photo.

Appendix A: Photographic Log

Client Name:	Project No.	Site Location:
Ecologic Consultants Ltd.	1704214	Blackwater

Photo #:	Date.
11	6/14/2022

Description

Wetland Number 15.
Mini-piezometer Identification: MP15-3.
West facing photo.