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Subject: Wetland and Stream Reconnaissance for the City of Sammamish Building 120 Feasibility Assessment and Community Use Planning Project

QC Check/Review Record

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Introduction

The wetland and stream reconnaissance described in this memorandum was performed for Opsis Architecture (Opsis) in support of the Sammamish Building 120 Feasibility Assessment and Community Use Planning project (hereafter referred to as the project). Opsis is conducting a phased evaluation and planning process for Building 120, a City of Sammamish (City) owned facility located at 120 228th Avenue Northeast (Parcel 3425069017) in Sammamish, WA. The project includes a building and site analysis, community engagement efforts, and preparing a feasibility study for potential future public use of the site.

Herrera Environmental Consultants, Inc. (Herrera) biologists performed a reconnaissance-level site investigation to determine if any wetlands or streams are present in the study area (Figure 1). This memorandum provides a summary of the results of the site investigation and includes wetland ratings and stream classifications based on initial field observations and a description of City required wetland and stream buffer widths. The information in this memorandum will serve as a baseline for preparing the feasibility study for potential future public use of the site.

Methods

Herrera biologists evaluated the presence of wetlands and streams in the study area using a combination of desktop analysis and site investigation, as described in the following sections.

Preliminary Environmental Data Review

Herrera's desktop analysis included a preliminary review of the following publicly available environmental data and mapping resources applicable to the study area:

- Aerial photographs of the study area (King County 2023)
- Evergreen Christian Fellowship Wetland Boundary (2007)
- King County iMap (King County 2026)
- National Wetlands Inventory (NWI) map (USFWS 2026a)
- Precipitation and climate data (NRCS 2026a)
- Soil survey maps (NRCS 2026b, 2026c)
- United States Fish and Wildlife Service Information for Planning and Consultation (IPaC) mapper (USFWS 2026b)
- Washington State Priority Habitat and Species (PHS) data (WDFW 2026a)
- Washington State Fish Passage mapping system (WDFW 2026b)
- Washington State Salmonscape mapping system (WDFW 2026c)

Site Investigation

Herrera conducted a reconnaissance-level site investigation on April 1, 2026 to identify the presence of wetlands or streams within the study area.. Herrera assessed the presence of streams within the study area in accordance with the definition in Sammamish Municipal Code (SMC) 21.04.040.B and SMC 21.03.020, which is consistent with the Washington Administrative Code (WAC) Section 222-16-010.

Wetland identification was conducted in accordance with the *Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Western Mountains, Valleys, and Coast Region* (Environmental Laboratory 2010), which is consistent with the *1987 Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987). A formal delineation of wetland boundaries was not conducted at the time of the site investigation.

Herrera biologists traversed the study area and noted the presence or absence of wetlands and other aquatic features. Plants, soil, and hydrologic conditions within the study area were documented and analyzed. Based on collected data, a determination of wetland, stream, or upland was made for each area examined. Herrera estimated wetland and stream boundaries based on the assemblage of plant species and transition between vegetation communities, observations of surface hydrology, soil characteristics, topography, light detection and ranging (LiDAR) data, and aerial images. Locations of areas meeting wetland or stream indicators were recorded using an Arrow 100 global positioning systems (GPS) unit. Wetland and stream boundaries that extend outside of the study area were estimated using topography, LiDAR, aerial images, national wetland inventory (NWI) data, and King County iMap (King County 2026) data where available.

Wetland Classification and Rating

Identified wetlands in the study area were classified according to the United States Fish and Wildlife (USFWS) Cowardin classification system (FGDC 2013). This system is based on an evaluation of attributes such as vegetation class, hydrologic regime, and substrates. Biologists also classified wetlands according to the hydrogeomorphic (HGM) system, which is based on an evaluation of attributes such as the position of the wetland within the surrounding landscape, the source and location of water just before it enters the wetland, and the pattern of water movement in the wetland (Brinson 1993).

In accordance with SMC 21.03.020, the identified site wetlands were rated using *Washington State Wetland Rating System for Western Washington: 2014 Update, Version 2* (Hruby and Yanhke 2023) . The wetland rating system, developed by the Washington State Department of Ecology, classifies wetlands into four categories according to specific attributes such as rarity; sensitivity to disturbance; hydrologic, water quality, and habitat functions; and special characteristics (e.g., mature forested wetland, bog). Points are scored on wetland rating datasheets according to the wetland's HGM class and potential or opportunity to perform wetland functions. The highest scoring and quality Category I wetlands exhibit outstanding functions and/or special characteristics. The lowest scoring Category IV Wetlands exhibit minimal attributes and functions. The rating categories are used to identify permitted uses in a wetland and its buffer, to determine the width of buffers needed to protect a wetland from adjacent

development, and to identify the mitigation ratios required to compensate for potential impacts on wetlands.

Stream Classification

Within City of Sammamish jurisdiction, streams are categorized according to the definitions in WAC 222-16-030 (SMC 21.03.020.W.4). Those definitions include the following stream types: S, F, Np, and Ns, which vary based on fish habitat, channel characteristics, and seasonal flow presence. The stream type is then used to determine the required stream buffer. The stream types described in SMC 21.03.020.W.4 do not include Type S streams that are defined in WAC 222-16-030 as Shorelines of the State.

Results

Preliminary Environmental Data Review

Previously Mapped Critical Areas

A wetland delineation conducted for the Evergreen Christian Fellowship in 2007 mapped the presence of a Category I wetland within the study area (Evergreen Christian Fellowship 2007).

The NWI (USFWS 2026a) and King County iMap (King County 2026) identify one wetland in the study area. The mapped wetland includes Palustrine forested (PFO), emergent (PEM), and scrub-shrub (PSS) wetland vegetation classes and exhibits a range of hydroperiods, including permanently flooded, seasonally flooded, occasionally flooded, and saturated conditions. The wetland extends east beyond the project area boundary.

George Davis Creek flows through the mapped wetland and serves as its outlet. The stream runs through the northern portion of the study area and flows through a culvert underneath 228th Ave Northeast (USFWS 2026a, King County 2026, WDFW 2026b). WDFW's PHS mapper (WDFW 2026a) does not document fish presence in George Davis Creek within the study area. However, Salmonscape (WDFW 2026b) and WDFW's Fish Passage mapping system (WDFW 2026c) indicate that coastal cutthroat trout (*Oncorhynchus clarkii*) are present downstream of the culvert at 228th Ave Northeast but presence is not indicated to extend far into the study area. The culvert conveyance at 228th Ave Northeast is not listed by WDFW as a barrier to fish passage (WDFW 2026c).

USFWS's IPaC mapper lists several federally listed threatened species, including marbled murrelet (*Brachyramphus marmoratus*), yellow-billed cuckoo (*Coccyzus americanus*), and bull trout (*Salvelinus confluentus*) that are documented in association with King County but which are not likely to be present within the study area due to a lack of suitable habitat (USFWS 2026b). No designated critical habitat associated with these species is mapped by IPaC in the study area.

Site Investigation

Herrera Biologists Riley Plumb (PWS) and Nick Bartish (WPIT) conducted the reconnaissance-level site investigation on April 1, 2026. During fieldwork, daytime high temperatures were approximately 50 degrees Fahrenheit with rainy conditions. The April field visit was conducted within the growing season; biologists observed aboveground growth and development of vascular plant species. Based on field observations, one wetland (Wetland A) and one stream (Stream A) were identified in the study area (Figure 1). The completed wetland rating summary and sample plot datasheets are included as Appendices A and B, respectively, to this technical memo. Photographs are attached in Appendix C.

Wetland A and Protective Buffer

Wetland A (WLA) is a depressional wetland located immediately north, east, and south of the Building 120 facility. The majority of WLA extends off site and was estimated using the resources described in the *Methods* section. Within the study area, WLA contains palustrine forested, scrub-shrub, emergent, and aquatic bed vegetation communities dominated by red alder (*Alnus rubra*), hardhack (*Spiraea douglasii*), and reed canarygrass (*Phalaris arundinacea*). Soils examined in the wetland, to a depth of 18 inches below the ground surface, exhibited hydric characteristics. The top 13 inches of the soil consisted of black (10YR 2/1) mucky mineral soil with dense roots throughout. From 13 to 18 inches, the soil was a mixed matrix that consisted of yellowish brown (10YR 5/4) and black (10YR 2/1) silt loam. Soil had a hydrogen sulfide odor. This profile meets the criteria for the hydric soil indicators hydrogen sulfide (A4) and loamy mucky mineral (F1). Soils in WLA had a high water table and were saturated to the surface at the time of the site visit, meeting two primary wetland hydrology indicators. Primary sources of hydrology to the wetland include precipitation and occasional flooding from George Davis Creek.

Biologists rated the entire wetland using observations collected during the field reconnaissance, and data from the NWI, Natural Resources Conservation Service (NRCS), and LiDAR. As summarized in Table 1, WLA received a total rating score of 22 points on the rating forms, which meets the criteria for Ecology's classification as a Category II wetland (Hruby and Yahnke 2023). The habitat score for WLA is 7 points. Estimated boundaries of WLA are shown on Figure 1.

The City's standard buffer width to protect WLA, a Category II wetland with a habitat score of 7 points, is 150 feet (SMC 21.03.020.V.1.c). However, pursuant to SMC 21.03.020 V.1.e.ix, "where a legally established, constructed street, or legally established development transects a wetland buffer, the Department (City) may approve a modification of the standard buffer width to the edge of the interruption if the isolated part of the buffer does not provide additional protection of the wetland and provides insignificant biological, geological or hydrological buffer functions relating to the wetland. If the resulting buffer distance is less than 75 percent of the standard buffer for the applicable wetland category, no further reduction shall be allowed." Wetland buffer functions are not served where impervious surfaces and existing fill prisms associated with the site's development, such as building, roadway and parking area footprints and where street lighting, utilities and stormwater facilities are present, and therefore modification of the standard buffer widths to exclude these areas is practical.

Table 1. Wetlands Identified in the Study Area for the City of Sammamish Building 120 Feasibility Assessment and Community Use Planning Project.

Wetland Name ^a	USFWS Classification ^b	Hydrogeomorphic Classification ^c	Wetland Category ^d	City of Sammamish Buffer Width (feet) ^e
A	PFO/PEM/PSS/PAB	Depressional	II	150

a Wetland boundaries and size are estimated.

b U.S. Fish and Wildlife Service classification is based on FGDC (2013); PFO= palustrine forested, PSS = palustrine scrub shrub, PEM = palustrine emergent, PAB = palustrine aquatic bed.

c Hydrogeomorphic classification is based on Brinson (1993).

d Wetland Category is based on the Washington State Department of Ecology (Ecology) wetland rating system (Hruby 2014), which is required by SMC 21.03.020.

e Wetland buffer widths are based on the Ecology wetland rating and habitat score per SMC 21.03.020 V.1.c.

The modified WLA buffer in the northwest corner of the Study Area consists of a strip of landscaping plants that is approximately 25-feet wide. The modified buffer widths directly north and south of the existing building area at the site are approximately 50-feet, on average. The standard buffer east of the building area is relatively intact.

Stream A and Protective Buffer

Biologists noted the presence of one stream, Stream A, while walking the boundary of Wetland A (Figure 1). Stream A is an unmapped inlet to Wetland A that enters the wetland from the south near East Main Street. Stream A is approximately 2 feet wide and has a bed of cobble and silt substrate. Stream A has a gradient less than 16 percent which meets the criteria of a Type F stream under Washington Administrative Code (WAC) 222-16-031. Biologists did not observe fish within Stream A during site reconnaissance. Type F streams have a buffer of 150 feet SMC21.03.020 W.4.a.. Stream photos were collected and are available in Appendix C.



Regulatory Implications

Wetlands are subject to a variety of federal, state, and local regulations that may apply to any future activities planned in the study area. Federal laws regulating certain wetlands include Sections 404 and 401 of the Clean Water Act (United States Code, Title 33, Chapter 1344 and 1251 [33 USC 1344 and 1251]) and the Navigable Waters Protection Rule (33 CFR Part 328). Washington State laws and programs designed to control the loss of wetland acreage include Section 401 of the Clean Water Act (administered in the State of Washington by Ecology as mandated by the Washington State Water Pollution Control Act) and the State Environmental Policy Act (SEPA). Chapter 21.03 of the SMC documents local requirements; including development standards and mitigation requirements for impacts to wetlands, wetland buffers, and streams in its jurisdiction.

A full critical areas report and formal wetland delineation conducted by a PWS are required by SMC 21.03.020 prior to any construction projects.

Clean Water Act Sections 404 and 401

Section 404 of the federal Clean Water Act regulates discharge of dredged or fill material and alteration (hydrologic or vegetative) in waters of the United States (U.S.), including certain wetlands (United States Code, Title 33, Chapter 1344 and 1251 [33 USC 1344 and 1251]). Authorizations issued by the U.S. Army Corps of Engineers (Corps) include nationwide (general) permits for projects involving small areas of fill, grading or alteration and individual permits for projects that require larger areas of wetland disturbance. Not all wetlands are regulated by the Corps. Non-federally regulated wetlands are referred to as 'non-jurisdictional' wetlands and may include wetlands without sufficient hydrologic connection with a navigable water (such as a river, lake, or marine water). Because Wetland A is hydrologically connected to Lake Sammamish, a navigable water, the Corps is likely to require Section 404 and/or a Section 401 permit authorizations for any potential project-associated wetland or stream impacts; however, confirmation from the Corps is required. To obtain information from the Corps, a preliminary jurisdictional determination form should be submitted to the agency for review, which the Corps then verifies. Federal regulations require mitigation for impacts to wetlands but the Corps does not regulate impacts to wetland buffers.

Section 401 of the Clean Water Act requires that proposed dredge and fill activities permitted under Section 404 be reviewed and certified to ensure that such activities meet Washington State water quality standards. Ecology administers 401 certification for all Section 404 permits.

Washington State Laws

The State of Washington Environmental Policy Act (SEPA) outlines a process intended to ensure that environmental impacts are evaluated and disclosed during decision making by state and local agencies. Environmental review is required for any proposal that involves a government action (as defined in the SEPA Rules [WAC 197-11-704]) and that is neither statutorily (Revised Code of Washington 43.21c) nor categorically (WAC 197-11-800) exempt from the threshold determination provisions of SEPA.

For non-federally regulated wetlands, (see descriptions in the *Clean Water Act Sections 404 and 401* section above) project proponents must submit a request for an Administrative Order to comply with the Washington State Water Pollution Control Act. Ecology issues Administrative Orders under this act for impacts to wetlands that are non-federally regulated. State regulations require mitigation for impacts to wetlands.

Impacts to streams require review by WDFW for a Hydrology Project Approval (HPA).

City of Sammamish Regulations for Wetlands and Buffers

The City regulates wetlands and their buffers according to SMC 21.03.020. All development activities proposed within wetlands, or their buffers are subject to the development standards described in SMC 21.03.020. Standard buffer widths defined in SMC 25.09.160 V.1.c. are based on the category and habitat functions of the wetland. As shown in Table 1, WLA meets the criteria for a Category II wetland with a habitat score of 7. The City's designated buffer width to protect Category II wetlands with habitat scores ranging from 5-7 is 150 feet.

SMC 21.03.020 V.1.e.ix states that a wetland buffer that is interrupted by

a constructed street or development, a modification of the standard buffer may be approved, adjusted the buffer to the edge of the interruption, assuming that the isolated part of the buffer does not provide addition protection of the wetland and provides insignificant biological, geological, or hydrological buffer functions relating to the wetland.

WLA's 150 ft buffer may be subject to modification as it interacts with the edge paved surfaces on parcel 3425069017 (Figure 1).

City of Sammamish Regulations for FWHCAs

City of Sammamish regulates streams and areas containing federally listed species as Fish and Wildlife Habitat Conservations Areas (FWHCAs). FWHCAs are regulated according to the provisions in SMC 21.03.020. W.2. Project proponents must consult with WDFW and meet the standards to protect FWHCAs, which are described in SMC 21.03.020 W.2. and summarized below:

- Establishment of buffer areas for development activities in or adjacent to habitat conservation areas
- Locate development in areas that maximize the retention of trees and vegetation
- Establish a buffer zone to protect habitat, trees, and vegetated areas
- Preserve important trees, vegetation, and other habitat features
- Limit access to habitat areas
- Impose seasonal restrictions of construction activities, and non-disturbance areas as appropriate to protect fish and wildlife species present on the site.

Development Implications

Development implications identified by Herrera during the reconnaissance-level site investigation are as follows: SMC 21.03.020 V.3.f. requires that a 1:1 mitigation ratio is applied to any impacts within protected wetland or stream buffers. New or redevelopment within the standard-width wetland and stream buffers will likely require buffer mitigation, unless modification due to interruption by the site's existing built areas and road surfaces is applied according to City code SMC 21.03.020 V.1.e.ix. If modification of the standard buffer is approved by the City, new or redevelopment within only those areas identified as "Modified Wetland/Stream Buffer" on Figure 1 would require buffer mitigation.

The City's standard buffer width of 150 feet to protect Wetland A is truncated by existing on-site development and adjacent roadways (Figure 1). The isolated buffer, separated from the non-impacted buffer, provides minimal functions to WLA. Excluding the isolated portion of the buffer that is constrained from performing proper buffer functions due to existing development, the City can modify the required buffer to an average of 55-feet on the northern end, and 53-feet on the southern end of the buffer, which will encompass only that portion of the remaining buffer where functions are being performed. Table 2 shows a comparison of buffer functions from the non-impacted buffer and the buffer that has been isolated by the existing roadway.

Any proposed development that impacts a wetland buffer will require a mitigation plan outlined in SMC 21.03.020 M. in addition to a critical areas report.

Table 2. Estimated Buffer Functionality in the Study Area for the City of Sammamish Building 120 Feasibility Assessment and Community Use Planning Project.

Buffer	Infiltration/Surface Run-off	Large Wood Contribution	Habitat Function
Non-impacted Buffer	High	Moderate	Moderate
Buffer isolated by roadway	Low	None	Low

If feasible, buffer mitigation will occur on-site to maintain critical area buffer functions. If on-site mitigation is deemed not feasible or if off-site mitigation will achieve equal or greater hydrological, water quality, or wetland/stream habitat functions, then off-site mitigation may be approved by The City.

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Appendix A

Wetland Rating Form

Wetland name or number: Wetland A

RATING SUMMARY - Western Washington

Name of wetland (or ID#): Wetland A Date of site visit: 04/01/2026

Rated By: Nick Bartish Trained by Ecology? Yes [X] No [] Date of Training: 12/08/2022

HGM Class used for rating: Depressional

Wetland has multiple HGM classes? Yes [] No [X]

NOTE: Form is not complete without the figures requested (figures can be combined).

Source of base aerial photo/map:

OVERALL WETLAND CATEGORY: [Category II] (based on functions [X] or special characteristics [])

1. Category of wetland based on FUNCTIONS

[] Category I - Total score = 23 - 27

[X] Category II - Total score = 20 - 22

[] Category III - Total score = 16 - 19

[] Category IV - Total score = 9 - 15

FUNCTION	Improving Water Quality	Hydrologic	Habitat	
Site Potential	H	M	H	
Landscape Potential	H	H	L	
Value	H	L	H	Total
Score Based on Ratings	9	6	7	22

Score for each function based on three ratings

(order of ratings is not important)

9 = H,H,H

8 = H,H,M

7 = H,H,L

7 = H,M,M

6 = H,M,L

6 = M,M,M

5 = H,L,L

5 = M,M,L

4 = M,L,L

3 = L,L,L

2. Category based on SPECIAL CHARACTERISTICS of wetland

CHARACTERISTIC	CATEGORY
Estuarine	
Wetland of High Conservation Value	
Bog	
Forested	
Coastal Lagoon	
Interdunal	
None of the above	Not Applicable

Wetland name or number: Wetland A

Maps and figures required to answer questions correctly for Western Washington

Depressional Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	D 1.3, H 1.1, H 1.4	A.1
Hydroperiods	D 1.4, H 1.2	A.2
Location of outlet (<i>can be added to map of hydroperiods</i>)	D 1.1, D 4.1	A.3
Boundary of area within 150 ft of the wetland (<i>can be added to another figure</i>)	D 2.2, D 5.2	A.2
Map of the contributing basin	D 4.3, D 5.3	A.4
1km Polygon: Area that extends 1km from entire wetland edge - including polygons for accessible habitat and undisturbed habitat	H 2.1, H 2.2, H 2.3	A.5
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	D 3.1, D 3.2	A.6
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	D 3.3	A.7

Wetland name or number: Wetland A

DEPRESSIONAL AND FLATS WETLANDS**Water Quality Functions** - Indicators that the site functions to improve water quality**D 1.0 Does the site have the potential to improve water quality?****D 1.1** What are the characteristics of surface water outflows from the wetland?

Wetland has no surface water outlet.	points = 3	
Wetland has an intermittently flowing, or highly constricted, outlet.	points = 2	
Wetland has an unconstricted, or slightly constricted, surface outlet that is permanently flowing	points = 1	
Wetland is a flat depression whose outlet is a permanently flowing ditch.	points = 1	Score: 1

D 1.2 Is the soil 2 in. below the surface a true clay or organic soil?

Mapped as true clay or organic (muck or peat)	points = 4	
Soil texture identified as clay or organic in field	points = 4	
Soil texture identified as clay or organic by laboratory test	points = 4	
None of the above	points = 0	Score: 4

D 1.3 What are the characteristics and distribution of persistent plants?

Wetland has persistent, ungrazed, plants > 95% of area	points = 5	
Wetland has persistent, ungrazed, plants > 50% of area	points = 3	
Wetland has persistent, ungrazed plants > 10% of area	points = 1	
Wetland has persistent, ungrazed plants < 10% of area	points = 0	Score: 5

D 1.4 What are the characteristics of seasonal ponding or inundation in the wetland area?

Area seasonally ponded is > 50% total area of wetland	points = 4	
Area seasonally ponded is equal to or > 25% total area of wetland	points = 2	
Area seasonally ponded is < 25% total area of wetland	points = 0	Score: 4

Total for D 1: 14**Rating of Site Potential**

[X] 12-16 = H [] 6-11 = M [] 0-5 = L

Record the rating on the first page

D 2.0 Does the landscape have the potential to support the water quality function of the site?**D 2.1** Does the wetland unit receive stormwater discharges?

Yes	points = 1	
No	points = 0	Score: 1

D 2.2 Is >10% of the area within 150ft of the wetland in land uses that generate pollutants in surface runoff?

Yes	points = 1	
No	points = 0	Score: 1

D 2.3 Are there septic systems within 250ft of the wetland?

Yes	points = 1	
No	points = 0	Score: 1

D 2.4 Are there other sources of pollutants coming into the wetland that are not listed in questions D 2.1-D 2.3?

Yes	points = 1	
No	points = 0	Score: 1

Wetland name or number: Wetland A**D 2.5** What are the other sources of pollutants coming into the wetland?

fertilizers and herbicides used to maintain the ballparks & football fields to the north and south of the wetland

Total for D 2:**4****Rating of Landscape Potential**

[X] 3-4 = H [] 1-2 = M [] 0 = L

Record the rating on the first page

D 3.0 Is the water quality improvement provided by the site valuable to society?**D 3.1** Does the wetland discharge directly (i.e., within 1 mi) to a stream, river, lake, or marine water that is on the 303(d) list?

Yes points = 1

No points = 0

Score: 1**D 3.2** Is the wetland in a basin or sub-basin where an aquatic resource is on the 303(d) list?

Yes points = 1

No points = 0

Score: 1**D 3.3** Has the site been identified in a watershed or local plan as important for maintaining water quality?

Yes points = 2

No points = 0

Score: 0**Total for D 3:****2****Rating of Value**

[X] 2-4 = H [] 1 = M [] 0 = L

Record the rating on the first page

DEPRESSIONAL AND FLATS WETLANDS**Hydrologic Functions** - Indicators that the site functions to reduce flooding and stream degradation**D 4.0** Does the site have the potential to reduce flooding and erosion?**D 4.1** What are the characteristics of surface water outflows from the wetland?

Wetland has no surface water outlet. points = 4

Wetland has an intermittently flowing, or highly constricted, outlet. points = 2

Wetland is a flat depression whose outlet is a permanently flowing ditch. points = 1

Wetland has an unconstricted, or slightly constricted, surface outlet that is permanently flowing points = 0

Score: 0**D 4.2** What is the depth of storage during the wet periods?

Marks of ponding are 3ft or more above the surface or bottom of the outlet. points = 7

Marks of ponding are between 2ft to <3ft from the surface or bottom of the outlet. points = 5

Marks of ponding are at least 0.5ft to <2ft from the surface or the bottom of the outlet. points = 3

The wetland is a "headwater" wetland. points = 3

The wetland is flat but has small depressions on the surface that trap water. points = 1

Marks of ponding are less than 0.5ft (6in). points = 0

Score: 5

Wetland name or number: Wetland A

D 4.3 <u>What is the contribution of the wetland to storage in the watershed?</u>		
The area of the basin is less than 10 times the area of the unit	points = 5	
The area of the basin is 10 to 100 times the area of the unit	points = 3	
The area of the basin is more than 100 times the area of the unit	points = 0	
Entire wetland is in the Flats class	points = 5	Score: 5
Total for D 4:		10

Rating of Site Potential

[] 12-16 = H [X] 6-11 = M [] 0-5 = L

Record the rating on the first page

D 5.0 Does the landscape have the potential to support hydrologic functions of the site?		
D 5.1 <u>Does the wetland unit receive stormwater discharges?</u>		
Yes	points = 1	
No	points = 0	Score: 1
D 5.2 <u>Is >10% of the area within 150 ft of the wetland in land uses that generate excess runoff?</u>		
Yes	points = 1	
No	points = 0	Score: 1
D 5.3 <u>Is more than 25% of the contributing basin of the wetland covered with intensive human land uses?</u>		
Yes	points = 1	
No	points = 0	Score: 1
Total for D 5:		3

Rating of Landscape Potential

[X] 3 = H [] 1-2 = M [] 0 = L

Record the rating on the first page

D 6.0 Are the hydrologic functions provided by the site valuable to society?		
D 6.1 <u>Is the wetland in a landscape that has flooding problems?</u>		
Flooding occurs in a sub-basin that is immediately down-gradient of the wetland.	points = 2	
Surface flooding problems are in a sub-basin farther down-gradient.	points = 1	
Flooding from groundwater is an issue in the basin.	points = 1	
The existing or potential outflow from the wetland is so constrained that water cannot reach areas that flood.	points = 0	
There are no problems with flooding downstream of the wetland.	points = 0	Score: 0
D 6.2 <u>Has the site been identified as important for flood storage or flood conveyance in a regional flood control plan?</u>		
Yes	points = 2	
No	points = 0	Score: 0
Total for D 6:		0

Rating of Value

[] 2-4 = H [] 1 = M [X] 0 = L

Record the rating on the first page

Wetland name or number: Wetland A

HABITAT FUNCTIONS

These questions apply to wetlands of all HGM classes - Indicators that the site functions to provide important habitat

H 1.0 Does the wetland have the potential to provide habitat for many species?

H 1.1 What is the structure of the plant community?

- ☒ Aquatic Bed
- ☒ Emergent
- ☒ Scrub-shrub
- ☒ Forested
- ☐ Multiple strata within the Forested class (canopy, sub-canopy, shrubs, herbaceous, moss/ground cover)

4 structures or more	points = 4
3 structures	points = 2
2 structures	points = 1
1 structure	points = 0
No structures present	points = 0

Score: 4

H 1.2 What are the hydroperiods that meet the size thresholds in the wetland?

- ☒ Permanently flooded or inundated
- ☒ Seasonally flooded or inundated
- ☒ Occasionally flooded or inundated
- ☒ Saturated only
- ☒ Permanently flowing stream or river in, or adjacent to, the wetland
- ☒ Seasonally flowing stream in, or adjacent to, the wetland
- ☐ Lake Fringe wetland
- ☐ Freshwater Tidal wetland

4 or more types present	points = 3
3 types present or Lake Fringe / Freshwater Tidal Fringe	points = 2
2 types present	points = 1
1 type present	points = 0
None present	points = 0

Score: 3

H 1.3 What is the richness of the plant species in the wetland?

> 19 species	points = 2
5-19 species	points = 1
< 5 species	points = 0

Score: 2

Wetland name or number: Wetland A**H 1.4** What is the interspersation of habitats?

High	points = 3	
Moderate	points = 2	
Low	points = 1	
None	points = 0	Score: 3

H 1.5 What are the special habitat features in the wetland?

- ☒ Large, downed, woody debris within the wetland (>4in diameter and 6ft long).
- ☒ Standing snags (dbh >4in) within the wetland
- ☒ Undercut banks are present for at least 6.6ft (2m) and/or overhanging plants extend at least 3.3ft (1m) over open water or a stream (or ditch) in, or contiguous with the wetland, for at least 33ft (10m)
- ☒ Stable steep banks of fine material that might be used by beaver or muskrat for denning (>30 degree slope) OR signs of recent beaver activity are present (cut shrubs or trees that have not yet weathered where wood is exposed)
- ☒ At least 0.25ac of thin-stemmed persistent plants or woody branches are present in areas that are permanently or seasonally inundated (structures for egg-laying by amphibians)
- ☐ Invasive plants cover less than 25% of the wetland area in every stratum of plants (see H 1.1 for list of strata)

6 habitats selected	points = 6	
5 habitats selected	points = 5	
4 habitats selected	points = 4	
3 habitats selected	points = 3	
2 habitats selected	points = 2	
1 habitat selected	points = 1	
No habitats selected	points = 0	Score: 5

Total for H 1: **17****Rating of Site Potential**

[X] 15-18 = H [] 7-14 = M [] 0-6 = L

*Record the rating on the first page***H 2.0 Does the landscape have the potential to support habitat functions of the site?****H 2.1** What is the percentage of accessible habitat within 1km of the wetland?

>33% of 1km Polygon	points = 3	
20-33% of 1km Polygon	points = 2	
10-19% of 1km Polygon	points = 1	
<10% of 1km Polygon	points = 0	Score: 0

H 2.2 What is the percentage of total habitat in a 1km polygon around the wetland?

Total habitat is >50% of the Polygon	points = 3	
Total habitat is 10-50% of the Polygon and in 1-3 patches	points = 2	
Total habitat is 10-50% of the Polygon and in >3 patches	points = 1	
Total habitat is <10% of the Polygon	points = 0	Score: 1

Wetland name or number: Wetland A**H 2.3** What is the land use intensity in the 1km polygon?

50% of the Polygon is high intensity land use

points = -2

<50% of the Polygon is high intensity land use

points = 0

Score: -2**Total for H 2:****-1****Rating of Landscape Potential**

[] 4-6 = H [] 1-3 = M [X] 0 = L

*Record the rating on the first page***H 3.0 Is the habitat provided by the site valuable to society?****H 3.1** Does the site provide habitat for species valued in laws, regulations, or policies?

- ☐ Aspen Stands
- ☐ Biodiversity Areas and Corridors
- ☐ Herbaceous Balds
- ☐ Old-growth/Mature Forests
- ☐ Oregon White Oak
- ☒ Riparian
- ☐ Westside Prairie
- ☐ Fresh Deepwater
- ☒ Instream
- ☐ Nearshore (Coastal, Open Coast, Puget Sound)
- ☐ Caves
- ☐ Cliffs
- ☒ Snags and Logs
- ☐ Talus

The following criteria automatically score 2 points:

- ☒ The wetland provides habitat for Threatened or Endangered species
- ☐ The wetland is mapped as a location for an individual WDFW priority species
- ☐ The wetland is a Wetland of High Conservation Value
- ☐ The wetland has been categorized as an important habitat site in a local plan

The wetland has 3 or more WDFW priority habitats within 100m, or meets the criteria for societal value

points = 2

The site has 1 or 2 WDFW priority habitats within 100m

points = 1

The site does not meet any of the criteria for societal value

points = 0

Score: 2**Total for H 3:****2****Rating of Value**

[X] 2 = H [] 1 = M [] 0 = L

Record the rating on the first page

Wetland name or number: Wetland A

CATEGORIZATION BASED ON SPECIAL CHARACTERISTICS

SC 1.0 Estuarine Wetlands

SC 1.1 Does the wetland meet all of the following criteria for Estuarine wetlands?

- ☐ The dominant water regime is tidal
- ☐ The wetland is vegetated
- ☐ The water salinity is greater than 0.5 ppt

Yes - Go to SC 1.2

No - Not an Estuarine Wetland

**Result: Not an
Estuarine Wetland**

SC 1.2 Is the wetland within a National Wildlife Refuge, National Park, National Estuary Reserve, Natural Area Preserve, State Park or Educational, Environmental, or Scientific Reserve designated under WAC 332-30-151?

Yes - Category I Estuarine Wetland

No - Go to SC 1.3

Result:

SC 1.3 Is the wetland unit at least 1ac in size and meets at least two of the following three conditions?

- ☐ The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation, grazing), and has less than 10% cover of non-native plant species.
- ☐ At least 75% of the landward edge of the wetland has a 100ft buffer of shrub, forest, or un-grazed or un-mowed grassland
- ☐ The wetland has at least two of the following features: tidal channels, depressions with open water, or contiguous freshwater wetlands.

Yes - Category I Estuarine Wetland

No - Category II Estuarine Wetland

Result:

SC 2.0 Wetlands of High Conservation Value

SC 2.1 Does the wetland overlap with any known or historical rare plant or rare & high-quality ecosystem polygons on the WNHP Data Explorer?

Yes - Category I Wetland of High Conservation Value

No - Go to SC 2.2

Result: Go to SC 2.2

SC 2.2 Does the wetland have a rare plant species, rare plant community, or high-quality common plant community that may qualify the site as a WHCV?

Yes - Category I Wetland of High Conservation Value

No - Not a Wetland of High Conservation Value

**Result: Not a Wetland
of High Conservation
Value**

Wetland name or number: Wetland A

SC 3.0 Bogs

SC 3.1 Does an area within the wetland unit have organic soil horizons, either peats or mucks, that compose 16in or more of the first 32in of the soil profile?

Yes - Go to SC 3.3

No - Go to SC 3.2

Result: Go to SC 3.3

SC 3.2 Does an area within the wetland unit have organic soils, either peats or mucks, that are less than 16 in deep over bedrock, or an impermeable hardpan such as clay or volcanic ash, or that are floating on top of a lake or pond?

Yes - Go to SC 3.3

No - Not a Bog Wetland

Result:

SC 3.3 Does an area with peats or mucks have more than 70% cover of mosses at ground level, AND at least 30% cover of plant species listed in the table provided in the instructions?

Yes - Category I Bog Wetland

No - Go to SC 3.4

Result: Go to SC 3.4

SC 3.4 Is an area with peats or mucks forested (>30% cover) with Sitka spruce, subalpine fir, western red cedar, western hemlock, lodgepole pine, quaking aspen, Engelmann Spruce, or western white pine AND any of the species (or combinations of species) listed in the table found in the instructions provide more than 30% of the cover under the canopy?

Yes - Category I Bog Wetland

No - Not a Bog Wetland

**Result: Not a Bog
Wetland**

SC 4.0 Forested Wetlands

SC 4.1 Does the wetland have at least 1 contiguous acre of forest that meets one of the following criteria?

☐ Old-growth forests

☐ Mature forests

Yes - Category I Forested Wetland

No - Not a Forested Wetland

**Result: Not a Forested
Wetland**

Wetland name or number: Wetland A

SC 5.0 Wetlands in Coastal Lagoons

SC 5.1 Coastal Lagoons: Does the wetland meet all of the following criteria of a wetland in a coastal lagoon?

- ☐ The wetland lies in a depression adjacent to marine waters that is wholly or partially separated from marine waters by sandbanks, gravel banks, shingle, or rocks
- ☐ The depression in which the wetland is located contains ponded water that is saline or brackish (>0.5 ppt) during most of the year in at least a portion of the open water area (measured near the bottom)
- ☐ The lagoon retains some of its surface water at low tide during spring tides

Yes - Go to SC 5.2

No - Not a Coastal Lagoon Wetland

Result: Not a Coastal Lagoon Wetland

SC 5.2 Does the wetland meet all of the following three conditions?

- ☐ The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation, grazing), and has less than 20% cover of aggressive, opportunistic plant species (see list of species).
- ☐ At least 75% of the landward edge of the wetland has a 100ft buffer of shrub, forest, or un-grazed or un-mowed grassland.
- ☐ the wetland is larger than 0.10ac (4350 sqft)

Yes - Category I Coastal Lagoon

No - Category II Coastal Lagoon

Result:

SC 6.0 Interdunal Wetlands

SC 6.1 Is the wetland west of the 1889 line (also called the Western Boundary of Upland Ownership WBUO)?

Yes - Go to SC 6.2

No - Not an Interdunal Wetland

Result: Not an Interdunal Wetland

SC 6.2 Is the wetland 1ac or larger in size, or a mosaic that is 1ac or larger in size?

Wetland is larger than 1ac in size - Go to SC 6.3

Wetland is a mosaic larger than 1ac is size - Category II Interdunal Wetland

No - Go to SC 6.4

Result:

SC 6.3 Does the wetland score 8 or 9 points for the habitat functions?

Yes - Category I Interdunal Wetland

No - Category II Interdunal Wetland

Result:

SC 6.4 Is the wetland unit between 0.1ac and 1ac, or in a mosaic of wetlands that is between 0.1ac and 1ac in size?

Yes - Category III Interdunal Wetland

No - Category IV Interdunal Wetland

Result:

Wetland name or number: Wetland A

Category of wetland based on Special Characteristics

If you answered No for all types, enter "Not Applicable" on Summary Form

Special Characteristics
Category: Not
Applicable

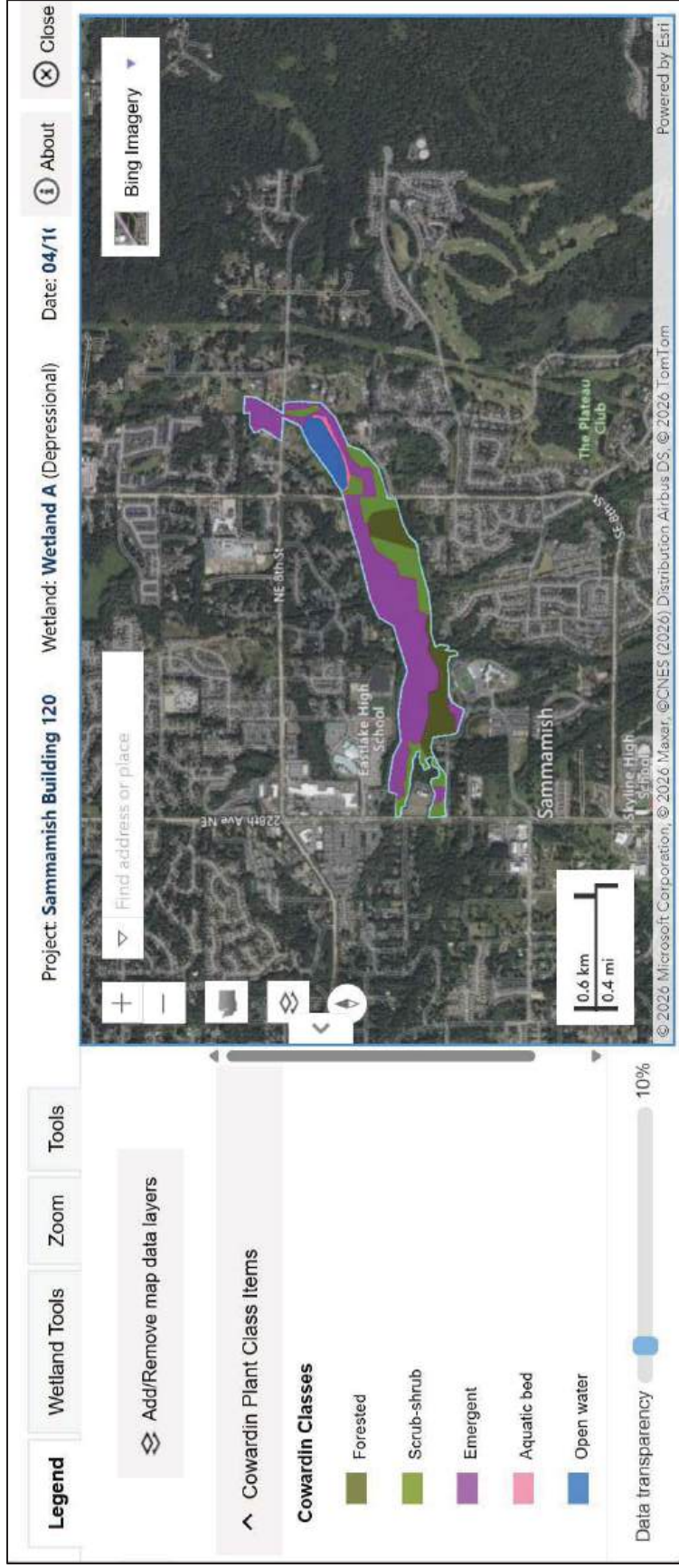


Figure A.1. Wetland A Cowardin Classes

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the Washington Tool for Online Rating <https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

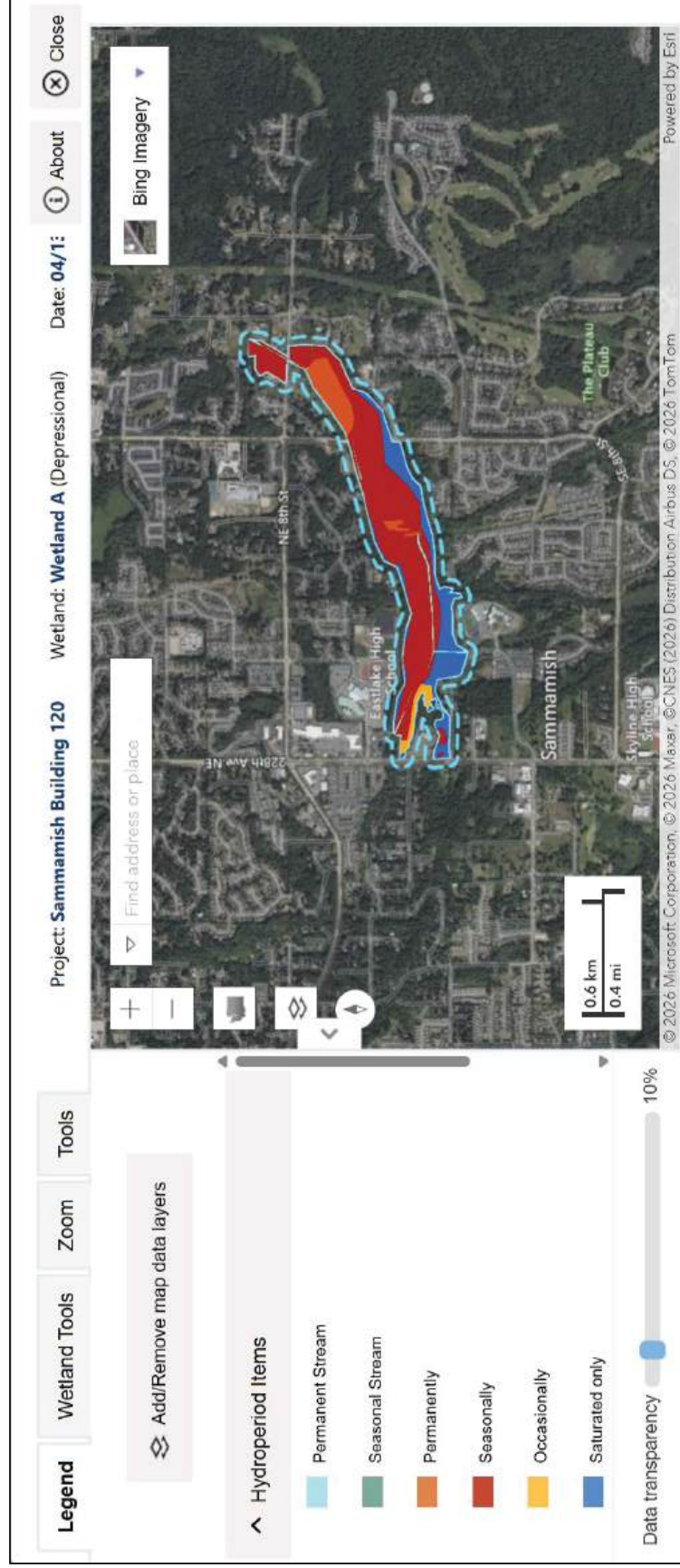


Figure A.2. Wetland A Hydroperiods with 150ft Buffer

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the Washington Tool for Online Rating <https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

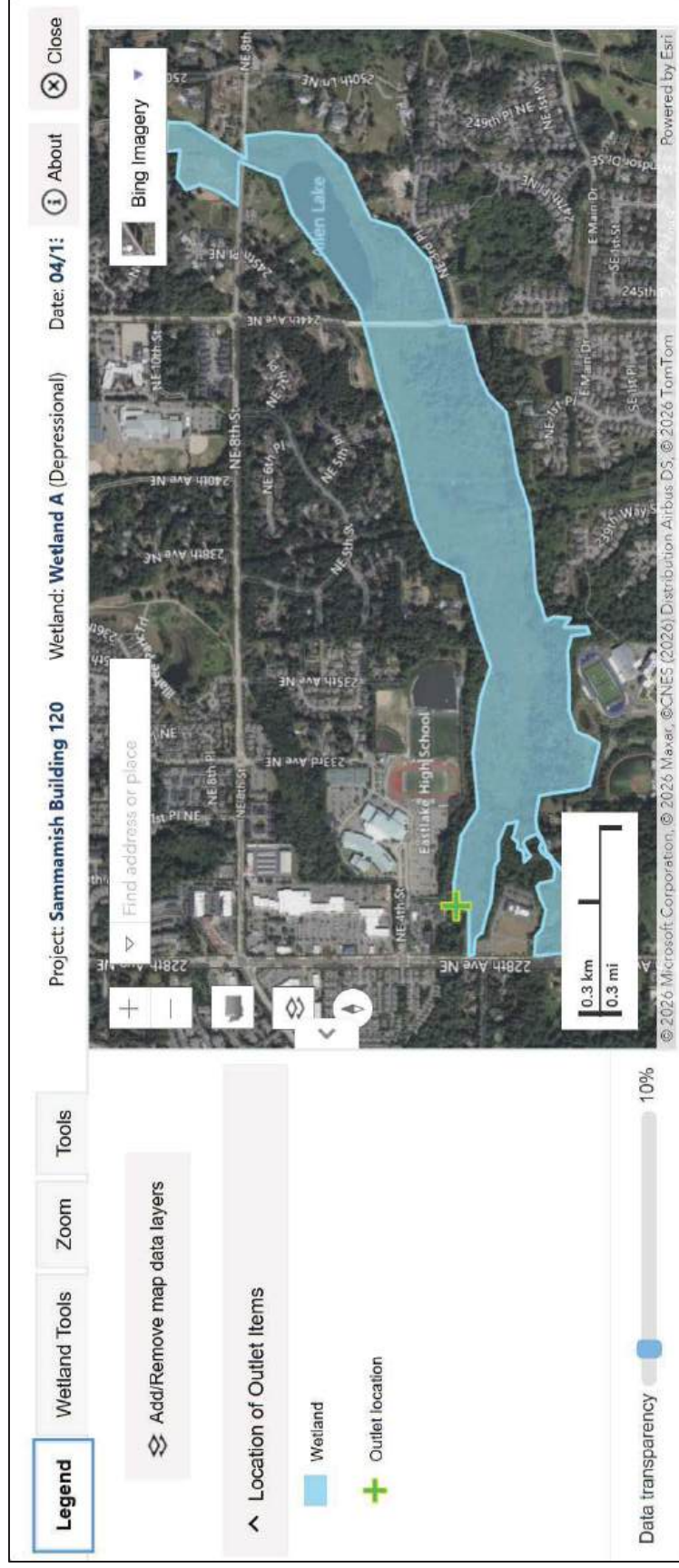


Figure A.3. Wetland A Outlet Location

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the *Washington Tool for Online Rating*
<https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

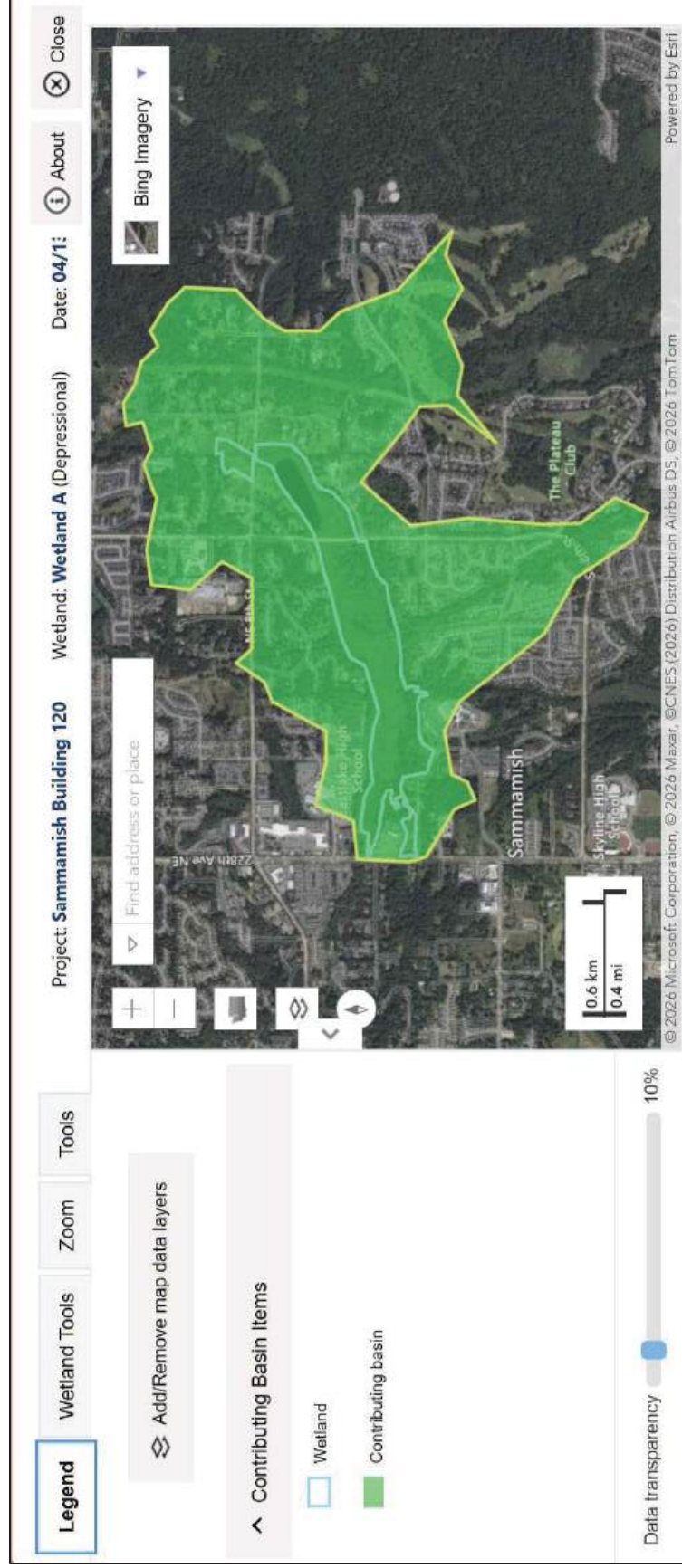


Figure A.4. Wetland A Contributing Basin

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the *Washington Tool for Online Rating*
<https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

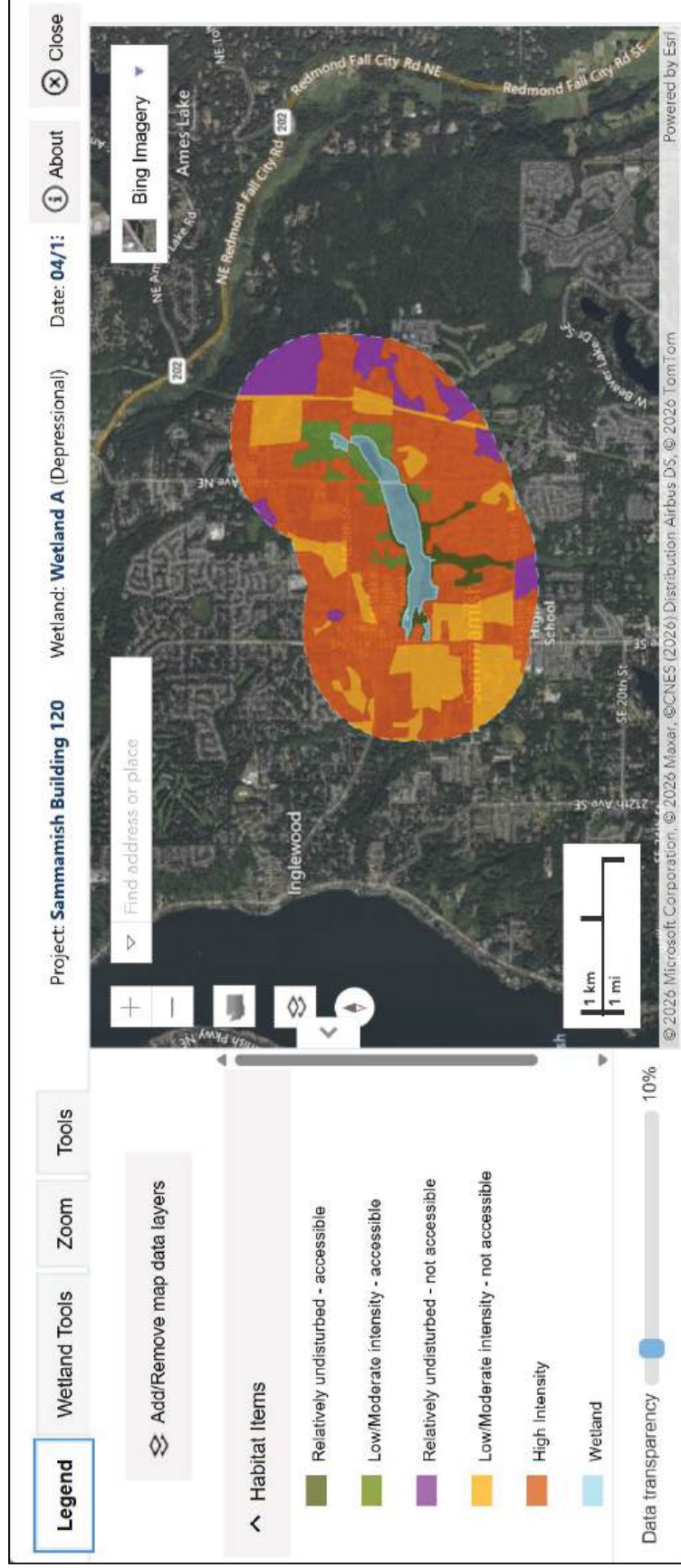


Figure A.5. Wetland A 1-km Habitat

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the *Washington Tool for Online Rating*
<https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

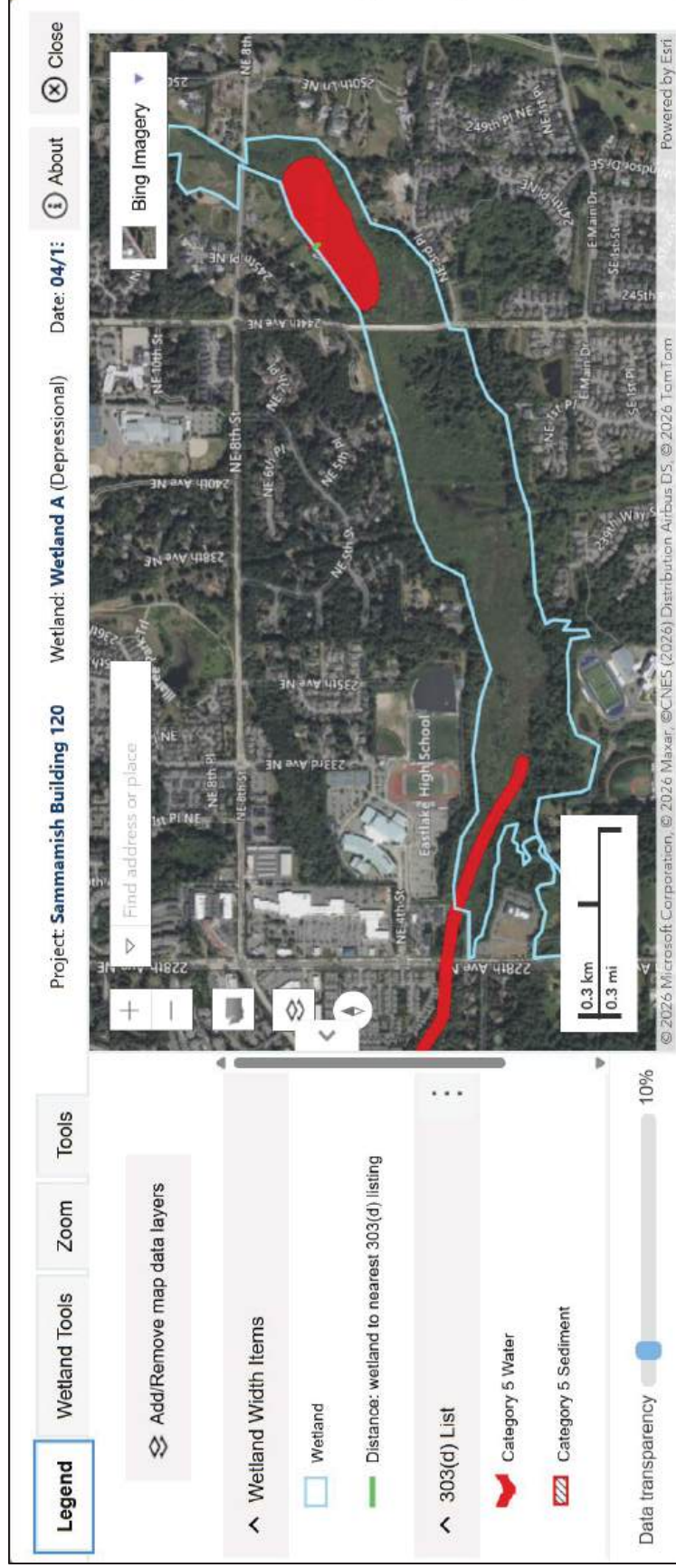


Figure A.6. Wetland A 303(d) Listed Waters

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the Washington Tool for Online Rating
<https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

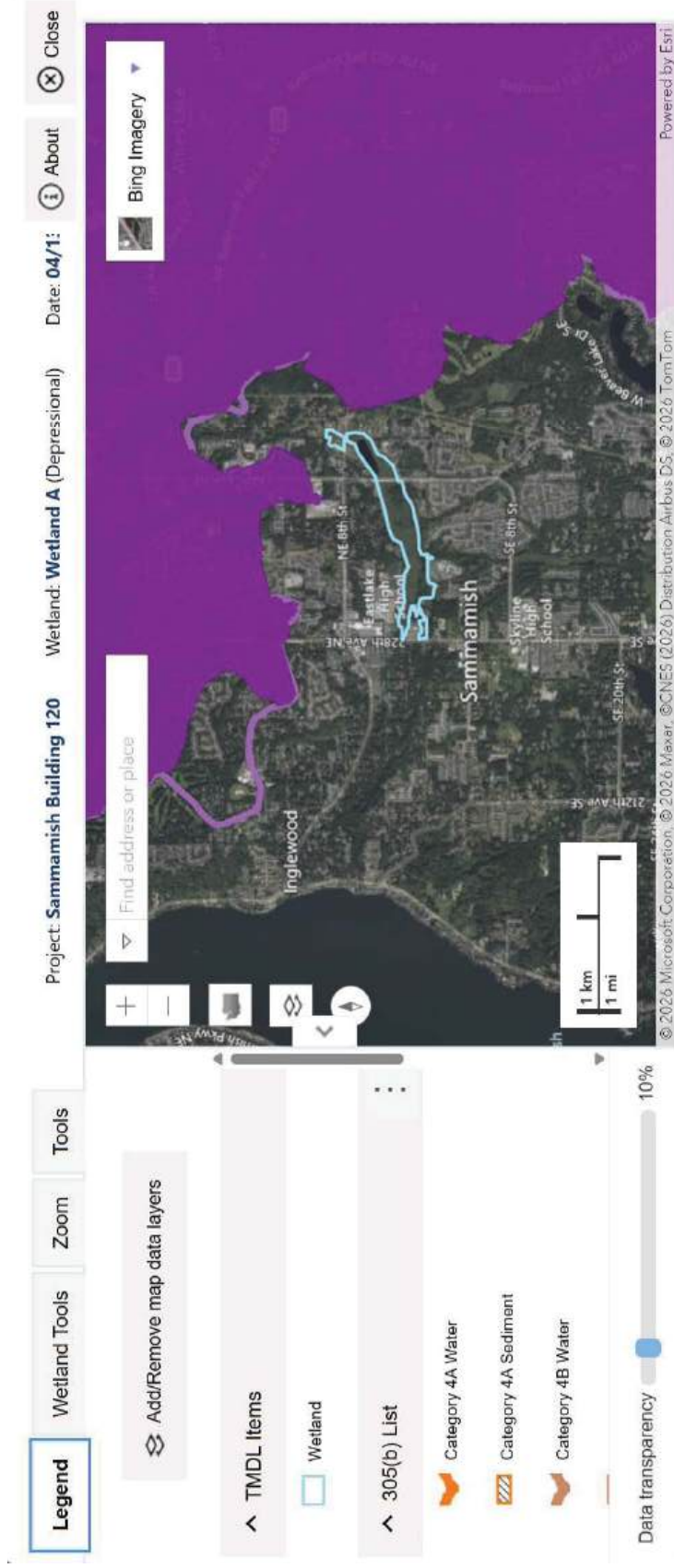


Figure A.7. Wetland A TMDL

Sammamish Building 120 Project – Wetland Rating Figures

All areas shown are approximate and not surveyed. Figures created with the Washington Tool for Online Rating <https://ecology.wa.gov/water-shorelines/wetlands/tools-resources/rating-systems>

Appendix B

Data Sheets

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region					
See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R					
Project/Site: Sammamish Building 120		City/County: Sammamish		Sampling Date: 4/1/2026	
Applicant/Owner: City of Sammamish		State: WA		Sampling Point: SP-1	
Investigator(s): Riley Plumb, Nick Bartish		Section, Township, Range: Section 34, Township 25 North, Range 06 East			
Landform (hillside, terrace, etc.): Flats		Local relief (concave, convex, none): none		Slope (%): 0	
Subregion (LRR/MLRA): LRR A, MLRA 2		Lat:		Long: Datum:	
Soil Map Unit Name: Bellingham Silt Loam		NWI classification: PEM1B			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No x (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes x No					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No			Is the Sampled Area within a Wetland? Yes X No		
Hydric Soil Present? Yes X No					
Wetland Hydrology Present? Yes X No					
Remarks: Climatic conditions are wetter than normal for this time of year. Hydrophytic vegetation, hydric soil, and wetland hydrology are present at the sample plot. Sample area is located within a wetland.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 3mr)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
1.					
2.					
3.					
4.					
			=Total Cover		
Sapling/Shrub Stratum (Plot size: 2mr)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 120 x 2 = 240 FAC species 0 x 3 = 0 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 120 (A) 240 (B) Prevalence Index = B/A = 2.00
1. Spiraea douglasii		20	Yes	FACW	
2.					
3.					
4.					
		20	=Total Cover		
Herb Stratum (Plot size: 1mr)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Phalaris arundinacea		100	Yes	FACW	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
		100	=Total Cover		
Woody Vine Stratum (Plot size: 1mr)					Hydrophytic Vegetation Present? Yes X No
1.					
2.					
			=Total Cover		
% Bare Ground in Herb Stratum 0					
Remarks: Vegetation at sample plot meets the dominance test. Hydrohytic vegetation is present at the sampling plot.					
ENG FORM 6116-9, SEP 2024 Western Mountains, Valleys, and Coast – Version 2.0					

SOIL

Sampling Point: SP-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-13	10YR 2/1	100					Mucky Loam/Clay	dense roots throughout, organic soil
13-18	10YR 5/4	50					Loamy/Clayey	Mixed matrix - see remarks

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)		
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)		
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)		
☒ Hydrogen Sulfide (A4)	☒ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)		
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)		
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)			
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)			
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)			
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)			
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)				

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes ☒ No ☐
---	---

Remarks:
Soil layer from 13-18 inches is a mixed matrix of 10YR 5/4 (50%) and 10YR 2/1 (50%). Soil meets the hydric soil indicators for hydrogen sulfide (A4) and loamy mucky mineral (F1). Hydric soil is present at sample plot.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☒ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☒ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☒ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): _____ Water Table Present? Yes ☒ No ☐ Depth (inches): 0 Saturation Present? Yes ☒ No ☐ Depth (inches): 0 (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No ☐
---	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Water table and saturation present at soils surface. Standing water nearby outside of plot. Sample plot meets the wetland hydrology indicators for high water table (A2) and saturation (A3). Wetland hydrology is present at sample plot.

VEGETATION Continued – Use scientific names of plants.

 Sampling Point: SP-1

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants less than 3 in. DBH, regardless of height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Woody Vine – All woody vines, regardless of height.
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
			=Total Cover	
<u>Sapling/Shrub Stratum</u>				
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
13. _____	_____	_____	_____	
			20 =Total Cover	
<u>Herb Stratum</u>				
12. _____	_____	_____	_____	
13. _____	_____	_____	_____	
14. _____	_____	_____	_____	
15. _____	_____	_____	_____	
16. _____	_____	_____	_____	
17. _____	_____	_____	_____	
18. _____	_____	_____	_____	
19. _____	_____	_____	_____	
20. _____	_____	_____	_____	
21. _____	_____	_____	_____	
22. _____	_____	_____	_____	
23. _____	_____	_____	_____	
			100 =Total Cover	
<u>Woody Vine Stratum</u>				
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
			=Total Cover	

Remarks:

AGENCY DISCLOSURE NOTIFICATION

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PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcl.d.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region					
See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R					
Project/Site: Sammamish Building 120		City/County: Sammamish		Sampling Date: 4/1/2026	
Applicant/Owner:		State: WA		Sampling Point: SP-2	
Investigator(s): Riley Plumb, Nick Bartish		Section, Township, Range: Section 34, Township 25 North, Range 06 East			
Landform (hillside, terrace, etc.):		Local relief (concave, convex, none): none		Slope (%): 0	
Subregion (LRR/MLRA): LRR A, MLRA 2		Lat:		Long: Datum:	
Soil Map Unit Name: Bellingham Silt Loam		NW1 classification: None			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No x (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes X No			Is the Sampled Area within a Wetland? Yes No X		
Hydric Soil Present? Yes No X					
Wetland Hydrology Present? Yes No X					
Remarks: Climatic conditions are wetter than normal for this time of year. Wetland vegetation is present at sample plot. Sample plot does not have hydric soil or wetland hydrology. Sample plot is not located within a wetland.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 3mr)		Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 2mr)					Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 101 x 3 = 303 FACU species 0 x 4 = 0 UPL species 20 x 5 = 100 Column Totals: 121 (A) 403 (B) Prevalence Index = B/A = 3.33
1.					
2.					
3.					
4.					
		=Total Cover			
Herb Stratum (Plot size: 1mr)					Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Poa sp		100	Yes	FAC	
2. Cirsium arvense		1	No	FAC	
3. Vicia sativa		20	No	UPL	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		121 =Total Cover			
Woody Vine Stratum (Plot size: 1mr)					Hydrophytic Vegetation Present? Yes X No
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum 0					
Remarks: Vegetation is a mix of Poa species and					

SOIL

Sampling Point: SP-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 3/1	100					Loamy/Clayey	Sandy clay loam
6-10	10YR 3/3	100					Loamy/Clayey	clay loam mixed with cobble

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

Restrictive Layer (if observed): Type: <u>Cobble</u> Depth (inches): <u>10</u>	Hydric Soil Present? Yes ☐ No ☒
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Remarks:
Restrictive layer of cobble at 10 inches. No hydric soil indicators are met at sample plot.

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☐ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☐ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): <u> </u> Water Table Present? Yes ☐ No ☒ Depth (inches): <u> </u> Saturation Present? Yes ☐ No ☒ Depth (inches): <u> </u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
No evidence of wetland hydrology at sample plot.

VEGETATION Continued – Use scientific names of plants.

 Sampling Point: SP-2

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants less than 3 in. DBH, regardless of height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Woody Vine – All woody vines, regardless of height.
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
			=Total Cover	
<u>Sapling/Shrub Stratum</u>				
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
13. _____	_____	_____	_____	
			=Total Cover	
<u>Herb Stratum</u>				
12. _____	_____	_____	_____	
13. _____	_____	_____	_____	
14. _____	_____	_____	_____	
15. _____	_____	_____	_____	
16. _____	_____	_____	_____	
17. _____	_____	_____	_____	
18. _____	_____	_____	_____	
19. _____	_____	_____	_____	
20. _____	_____	_____	_____	
21. _____	_____	_____	_____	
22. _____	_____	_____	_____	
23. _____	_____	_____	_____	
			121 =Total Cover	
<u>Woody Vine Stratum</u>				
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
			=Total Cover	

Remarks:

AGENCY DISCLOSURE NOTIFICATION

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PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcl.d.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region					
See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R					
Project/Site: Sammamish Building 120		City/County: Sammamish		Sampling Date: 4/1/2026	
Applicant/Owner:		State: WA		Sampling Point: SP-3	
Investigator(s): Riley Plumb, Nick Bartish		Section, Township, Range: Section 34, Township 25 North, Range 06 East			
Landform (hillside, terrace, etc.): Flat		Local relief (concave, convex, none): none		Slope (%): 0	
Subregion (LRR/MLRA): LRR A, MLRA 2		Lat:		Long: Datum:	
Soil Map Unit Name: Everett very gravelly sandy loam, 8 to 15 percent slopes		NW1 classification: None			
Are climatic / hydrologic conditions on the site typical for this time of year?		Yes		No X (If no, explain in Remarks.)	
Are Vegetation X, Soil X, or Hydrology X significantly disturbed?		Are "Normal Circumstances" present?		Yes No X	
Are Vegetation, Soil, or Hydrology naturally problematic?		(If needed, explain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present?		Yes X No		Is the Sampled Area within a Wetland?	
Hydric Soil Present?		Yes X No		Yes No X	
Wetland Hydrology Present?		Yes X No			
Remarks: Climatic conditions are wetter than normal for this time of year. Sample plot is located in a mowed field that contains fill at 6 inches depth. Impervious fill material has resulted in hydric soil and wetland hydrology. Biologists determined that despite meeting hydrophytic vegetation, hydric soil, and wetland hydrology indicators, the sample plot is not located within a wetland.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 3mr)		Absolute % Cover		Dominant Species?	
Indicator Status					
1.					
2.					
3.					
4.					
		=Total Cover			
Sapling/Shrub Stratum (Plot size: 2mr)					
1.					
2.					
3.					
4.					
5.					
		=Total Cover			
Herb Stratum (Plot size: 1mr)					
1. Plantago lanceolata		2		Yes FAC	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		2 =Total Cover			
Woody Vine Stratum (Plot size: 1mr)					
1.					
2.					
		=Total Cover			
% Bare Ground in Herb Stratum		0			
Remarks: Vegetation is a mix of regularly mowed grasses. Hydrophytic vegetation is present in study area.					
ENG FORM 6116-9, SEP 2024					
Western Mountains, Valleys, and Coast – Version 2.0					

SOIL

Sampling Point: SP-3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-6	10YR 5/1	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☐ Depleted Below Dark Surface (A11)	☒ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):		Hydric Soil Present?	Yes	X	No
Type: <u>Cobble</u>	Depth (inches): <u>6</u>				

Remarks:
Restrictive layer of cobble at 6 inches. Sample plot meets the hydric soil indicator for depleted matrix (F3)

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☒ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☒ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations:				Wetland Hydrology Present?	Yes	X	No
Surface Water Present?	Yes ☐	No ☒	Depth (inches): <u> </u>				
Water Table Present?	Yes ☒	No ☐	Depth (inches): <u>3</u>				
Saturation Present?	Yes ☒	No ☐	Depth (inches): <u>0</u>				
(includes capillary fringe)							

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Sample plot meets the wetland hydrology indicators for high water table (A2) and saturation (A3)

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U.S. Army Corps of Engineers				OMB Control #: 0710-0024, Exp: 9/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)	
WETLAND DETERMINATION DATA SHEET – Western Mountains, Valleys, and Coast Region					
See ERDC/EL TR-10-3; the proponent agency is CECW-CO-R					
Project/Site: Sammamish Building 120		City/County: Sammamish		Sampling Date: 4/1/2026	
Applicant/Owner:		State: WA		Sampling Point: SP-4	
Investigator(s): Riley Plumb, Nick Bartish		Section, Township, Range: Section 34, Township 25 North, Range 06 East			
Landform (hillside, terrace, etc.): Hillside		Local relief (concave, convex, none): none		Slope (%): 2	
Subregion (LRR/MLRA): LRR A, MLRA 2		Lat:		Long: Datum:	
Soil Map Unit Name: Everett very gravelly sandy loam 8 to 15 percent slopes		NWI classification: PFO1B			
Are climatic / hydrologic conditions on the site typical for this time of year?		Yes		No X (If no, explain in Remarks.)	
Are Vegetation, Soil, or Hydrology significantly disturbed?		Yes X		No	
Are Vegetation, Soil, or Hydrology naturally problematic?		(If needed, explain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present?		Yes		No X	
Hydric Soil Present?		Yes		No X	
Wetland Hydrology Present?		Yes X		No	
Is the Sampled Area within a Wetland?		Yes		No X	
Remarks: Climatic conditions are wetter than normal for this time of year. Sampling plot does not contain hydrophytic vegetation or hydric soil. Wetland hydrology is present at site likely due to wetter than normal conditions.					
VEGETATION – Use scientific names of plants.					
Tree Stratum (Plot size: 3mr)		Absolute % Cover		Dominant Species?	
1. Crataegus douglasii		40		Yes	
2. Pseudotsuga menziesii		40		Yes	
3.					
4.					
		80 =Total Cover			
Sapling/Shrub Stratum (Plot size: 2mr)		30		Yes	
1. Symphoricarpos albus				FACU	
2.					
3.					
4.					
5.					
		30 =Total Cover			
Herb Stratum (Plot size: 1mr)		2		No	
1. Rubus ursinus				FAC	
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
		2 =Total Cover			
Woody Vine Stratum (Plot size: 1mr)					
1.					
2.					
% Bare Ground in Herb Stratum		78			
Remarks: A mix of mosses covers 20 percent of the herb stratum. No hydrophytic vegetation present at sample plot.					
D dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)					
Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 42 x 3 = 126 FACU species 70 x 4 = 280 UPL species 0 x 5 = 0 Column Totals: 112 (A) 406 (B) Prevalence Index = B/A = 3.63					
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.					
Hydrophytic Vegetation Present? Yes No X					

SOIL

Sampling Point: SP-4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-18	10YR 2/1	100					Loamy/Clayey	gravelly loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Sandy Gleyed Matrix (S4)	☐ 2 cm Muck (A10) (LRR A, E)
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Iron-Manganese Masses (F12) (LRR D)
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Red Parent Material (F21)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (except MLRA 1)	☐ Very Shallow Dark Surface (F22)
☐ 1 cm Muck (A9) (LRR D, G)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)
☐ Depleted Below Dark Surface (A11)	☐ Depleted Matrix (F3)	
☐ Thick Dark Surface (A12)	☐ Redox Dark Surface (F6)	
☐ Iron Monosulfide (A18)	☐ Depleted Dark Surface (F7)	
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)	
☐ 2.5 cm Mucky Peat or Peat (S2) (LRR G)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):		Hydric Soil Present?	Yes	No
Type: <u>Cobble</u>				
Depth (inches): <u>6</u>				

Remarks:
No hydric soil indicators present at sample plot

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (2 or more required)	
☐ Surface Water (A1)	☐ Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	☐ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)	
☒ High Water Table (A2)	☐ Salt Crust (B11)	☐ Drainage Patterns (B10)	
☒ Saturation (A3)	☐ Aquatic Invertebrates (B13)	☐ Dry-Season Water Table (C2)	
☐ Water Marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living Roots (C3)	☐ Geomorphic Position (D2)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Shallow Aquitard (D3)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ FAC-Neutral Test (D5)	
☐ Iron Deposits (B5)	☐ Stunted or Stressed Plants (D1) (LRR A)	☐ Raised Ant Mounds (D6) (LRR A)	
☐ Surface Soil Cracks (B6)	☐ Other (Explain in Remarks)	☐ Frost-Heave Hummocks (D7)	
☐ Inundation Visible on Aerial Imagery (B7)			
☐ Sparsely Vegetated Concave Surface (B8)			

Field Observations:				Wetland Hydrology Present?	Yes	No
Surface Water Present?	Yes ☐	No ☒	Depth (inches): <u> </u>			
Water Table Present?	Yes ☒	No ☐	Depth (inches): <u>9</u>			
Saturation Present?	Yes ☒	No ☐	Depth (inches): <u>0</u>			
(includes capillary fringe)						

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Sample plot meets the wetland hydrology indicators for high water table (A2) and saturation (A3). Wetland hydrology is present at sample plot.

AGENCY DISCLOSURE NOTIFICATION

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.**

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: <http://dpcl.d.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx>

Appendix C

Photo Log

Photographic Log

Wetland and Stream Reconnaissance for the City of Sammamish Building 120 Feasibility Assessment and Community Use Planning Project

Photo Number	Photo Description
PP-1	Wetland conditions observed on the northern end of the study area.
PP-2	Wetland conditions observed on the northern end of the study area.
PP-3	Wetland conditions observed on the southern end of the study area.
PP-4	Stream A.
PP-5	Stream A.





PP-5