

August 02, 2021

Tyler Simpson  
c/o Brad Sturman  
Sturman Architects, Inc.  
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Bellevue, WA 98004

## RE: Parcel #3024059118, Wetland Reconnaissance Report

The Watershed Company Reference Number: 210734

Dear Tyler,

On July 30, 2021, Ecologist Sage Presster visited the property located at 6454 E. Mercer Way (parcel #3024059118) and the adjacent property to the north located at 6442 E. Mercer Way (parcel #3024059903) in the City of Mercer Island to verify the presence/absence of a jurisdictional wetland along the Lake Washington shoreline. This letter summarizes the findings of the study and current regulatory requirements. The following documents are enclosed:

- Reconnaissance Sketch
- Wetland Determination Data Forms

### Findings Summary

The subject property is situated along Lake Washington which is considered a Shoreline of the State. Therefore, a majority of the subject property is within the 200-foot shoreline jurisdiction area. Lake Washington requires a shoreline setback of 25 feet, and there are restrictions on impervious surfaces within 50-feet of the lake. One slope wetland (Wetland A) is present along the Lake Washington shoreline within the study area. Wetland A includes lake-fringe and slope hydrogeomorphic classes. However, the lake-fringe portion accounts for less than 10 percent of the wetland unit. Therefore, the wetland is classified as a slope wetland for purposes of rating. Wetland A is estimated as a IV wetland with a habitat score of five points. The City of Mercer Island requires a standard 100-foot buffer for a Category IV wetland with a habitat score of five points within the shoreline jurisdiction of Lake Washington.

## Study Area

The study area for this project is defined as 6454 E. Mercer Way (Parcel #3024059118) and the eastern portion of 6442 E. Mercer Way (parcel #3024059118) in the City of Mercer Island, Washington.

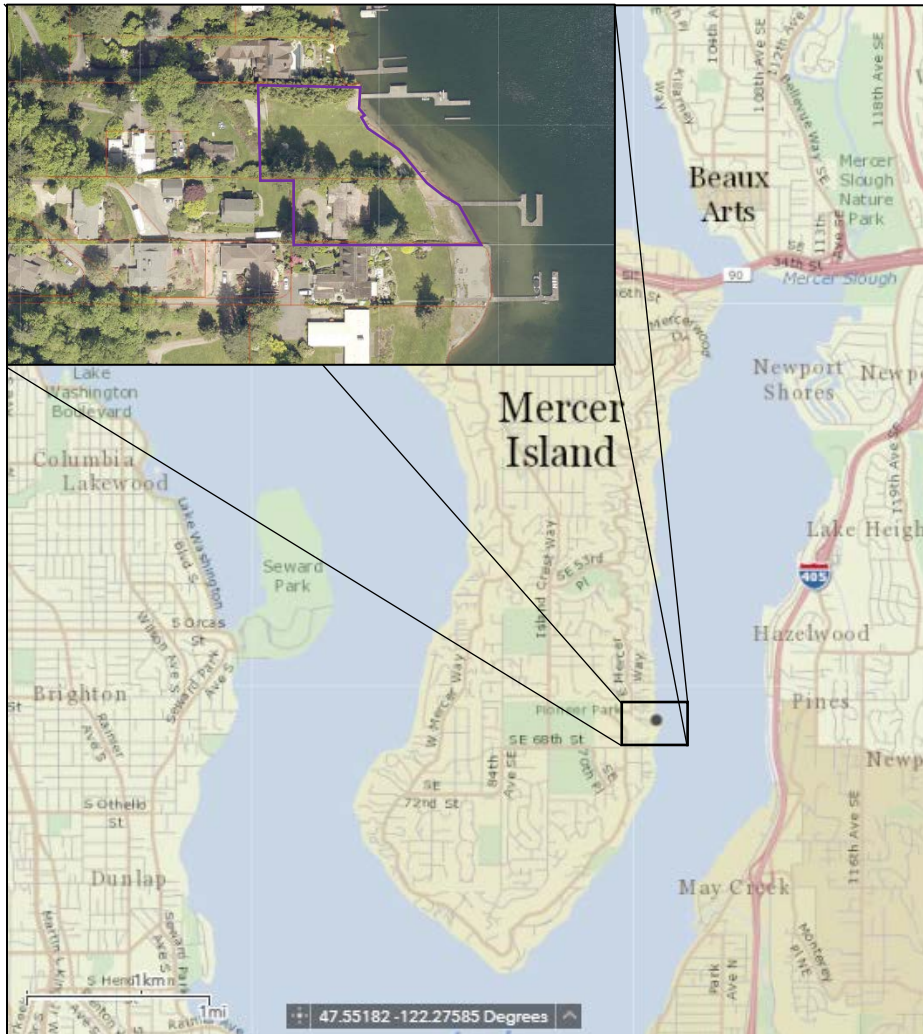


Figure 1. Study area and vicinity map. Study area highlighted in purple.

## Methodology

Public-domain information on the subject properties was reviewed for this reconnaissance study. Resources and review findings are presented in Table 1 of the “Findings” section of this letter.

The study area was evaluated for wetlands using methodology from the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region Version 2.0* (Regional Supplement) (US Army Corps of Engineers [Corps] May 2010). Identified wetlands were classified according to the *2014 Western Washington Wetland Rating System* (Ecology Publication 14-06-029).

The study area was evaluated for streams and shorelines based on the presence or absence of an ordinary high water mark (OHWM) as defined by Section 404 of the Clean Water Act, the Washington Administrative Code (WAC) 220-660-030, and the Revised Code of Washington (RCW) 90.58.030 and guidance documents including *Determining the Ordinary High Water Mark for Shoreline Management Act Compliance in Washington State* (Anderson 2016) and *A Guide to Ordinate High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States* (Mersel 2016).

Characterization of climatic conditions for precipitation was determined using the WETS table methodology from the USDA NRCS document Part 650 Engineering Field Handbook, National Engineering Handbook, Hydrology Tools for Wetland Identification and Analysis, Chapter 19 (September 2015). The Seattle-Tacoma International AP station as recorded by NOAA (<http://agacis.rcc-acis.org/>) was used as a source for precipitation data. The WETS table methodology uses climate data from the three months prior to the site visit month to determine if normal conditions are present.

## Findings

The study area is within the Mercer Island sub-basin of the Cedar-Sammamish Watershed (WRIA 8). It is located in southern Mercer Island, just east of Pioneer Park. The property is situated on the shore of Lake Washington. The site gradually slopes down to the east towards Lake Washington.

The subject property is approximately 0.47 acres in size and is developed with a single-family home, brick patio, associated driveway, dock, and a maintained yard. The northern property boundary is densely vegetated with western red cedar, shore pine, bamboo, rhododendrons, cherry laurel, and ornamental shrubs. The southern property boundary is vegetated with sedges, maintained ornamental shrubs, western red cedar, and coast redwood. The neighboring property consists of a single family home, a golfing structure, wooden walkways, and a dock. The neighboring property to the north has an extended yard gradually sloping east toward the Lake Washington shoreline. Similarly with the subject property, the lawn is maintained with

dense vegetation along the northern and southern property boundaries. Although both yards are regularly maintained, mowed hydrophytic vegetation, including obligate wetland plant species, was observed on both properties. The slope wetland identified in the eastern portion of the subject property and neighboring property extending throughout the majority of both yards. The wetland met the criteria for hydrophytic vegetation, hydric soils, and secondary indicators for hydrology.

Reviewed public-domain information for the site is summarized below (Table 1).

Table 1. Summary of online mapping and inventory resources.

Resource	Summary
USDA NRCS: Web Soil Survey	<i>Kitsap silt loam, 2 to 8 percent slopes is mapped throughout the study area.</i>
USFWS: NWI Wetland Mapper	<i>None mapped on the subject property (parcel #3024059118). A freshwater emergent wetland (PEM1C) is mapped in the eastern portion of neighboring property (parcel #3024059003). Lake Washington (L1UBHh) is mapped along the eastern property boundary. A riverine habitat (R4SBC) is mapped approximately 275 feet south of the subject property.</i>
WDFW: PHS on the Web	<i>A freshwater emergent wetland (PEM1C) is mapped approximately 10 feet north of the subject property. Pioneer Park is a biodiversity area and corridor mapped approximately 500 feet west of the subject property. Lake Washington mapped with sockeye, steelhead, coho, and Chinook salmon occurrence.</i>
WDFW: SalmonScape	<i>Lake Washington mapped with resident coastal cutthroat, kokanee, fall Chinook, winter steelhead, Dolly Varden / bull trout, sockeye and coho presence.</i>
WA-DNR: Forest Practices Activity Mapping Tool	<i>Lake Washington mapped as a Shoreline of the State. A Type-F stream is mapped approximately 500 feet south of the subject property.</i>
King County iMap	<i>None mapped onsite.</i>
City of Mercer Island maps	<i>None mapped onsite.</i>
WETS Climatic Condition	<i>Drier than normal.</i>

### Lake Washington

The subject property is located along the Lake Washington shoreline. The shoreline is intermixed with beach and maintained lawn habitat with a wooden dock. A small wooden retaining wall is located along the north of the dock and transitions to dense herbaceous

vegetation south of the dock. The majority of the riparian vegetation is a maintained extension of the backyard, with the exception of some yellow flag iris, tall horsetail, sedge spp., soft rush, birds foot trefoil, and Japanese knotweed.

## Local Regulations

### Shoreline Jurisdiction

Lake Washington is a shoreline of the state, and therefore all lands within 200 feet of the OHWM (lakeshore) are regulated by Mercer Island City Code (MICC) Chapter 19.13, Mercer Island Shoreline Master Program Regulations. A majority of the subject parcel appears to be within 200 feet of the Lake Washington OHWM.

The property is located with the Urban Residential shoreline environment. Development standards for the Urban Residential (UR) environment are outlined in MICC 19.13.030. A 25-foot setback from the OHWM is required. Single-family dwelling including accessory structures may be permitted via shoreline categorical exemption. The proposed improvements must comply with standards specified in MICC 19.13.050. This includes a maximum hardscape coverage of 10 percent within 25 feet of the OHWM and maximum lot coverage of 30 percent from 25 to 50 feet away from the OHWM.

Under MICC 19.13.050(K)4, new development of more than 1,000 square feet of additional impervious surfaces within shoreline jurisdiction shall be required to also provide native vegetation coverage over 75 percent of the 20-foot vegetation area immediately above the OHWM; new development of between 500 and 1,000 square feet requires 50 percent coverage.

### Wetlands

Wetlands inside of shoreline jurisdiction in Mercer Island are regulated under Chapter 19.13 – Shoreline Master Program. Per MICC 19.07.190, wetlands are rated as one of four categories based on Ecology’s 2014 Rating System. According to the Rating System, Wetland A is estimated to score six points for water quality functions, four points for hydrologic functions, and five points for habitat functions, for a total of 15 points (Table 2). This score qualifies Wetland A as a Category IV wetland. Wetland buffers are determined based on a combination of the wetland category and habitat score. A Category IV wetland with a habitat score of 5 points inside the Lake Washington shoreline jurisdiction requires a standard 100-foot buffer under MICC 19.13.010(D)(6). Wetland A will also require a 10-foot building setback which may be reduced to five feet depending on its size, per MICC 19.07.190(C)(7).

If all applicable impact minimizing measures listed in MICC 19.07.190(D)(3) are implemented, the standard 40-foot wetland buffer for a Category IV wetland under MICC 19.07.190(C)(1) may apply. Minimization measures include directing lights and noise away from the wetland, routing all new untreated runoff away from the wetland, retrofitting storm water detention and treatment for adjacent development, protecting the wetland and buffer from disturbance.

Table 2. Summary of wetland rating and standard buffer width.

	<b>Water Quality</b>	<b>Hydrologic</b>	<b>Habitat</b>	<b>Total</b>	<b>Category</b>	<b>Buffer Width</b>
<b>Wetland A</b>	6	4	5	15	IV	100

## State and Federal Regulations

### Federal Agencies

Most wetlands and streams are regulated by the Corps under Section 404 of the Clean Water Act. Any proposed filling or other direct impacts to Waters of the U.S., including wetlands (except isolated wetlands), would require notification and permits from the Corps. Wetland A is not isolated due to its proximity to Lake Washington; Unavoidable impacts to jurisdictional wetlands are typically required to be compensated through implementation of an approved mitigation plan. If activities requiring a Corps permits are proposed, a Joint Aquatic Resource Permit Application (JARPA) could be submitted to obtain authorization.

Federally permitted actions that could affect endangered species may also require a biological assessment study and consultation with the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service. Compliance with the Endangered Species Act must be demonstrated for activities within jurisdictional wetlands and the 100-year floodplain. Application for Corps permits may also require an individual 401 Water Quality Certification and Coastal Zone Management Consistency determination from Ecology and a cultural resource study in accordance with Section 106 of the National Historic Preservation Act.

### Washington Department of Ecology (Ecology)

Similar to the Corps, Ecology, under Section 401 of the Clean Water Act, is charged with reviewing, conditioning, and approving or denying certain federally permitted actions that result in discharges to state waters. However, Ecology review under the Clean Water Act would only become necessary if a Section 404 permit from the Corps was issued. However, Ecology also regulates wetlands, including isolated wetlands, under the Washington Pollution

Prevention and Control Act, but only if direct wetland impacts are proposed. Therefore, if filling activities are avoided, authorization from Ecology would not be needed.

If filling is proposed, a JARPA may also be submitted to Ecology in order to obtain a Section 401 Water Quality Certification and Coastal Zone Management Consistency Determination. Ecology permits are either issued concurrently with the Corps permit or within 90 days following the Corps permit. Ecology now requires a Pre-Filing Meeting Request for Clean Water Act Section 401 Water Quality Certification.

In general, neither the Corps nor Ecology regulates wetland and stream buffers, unless direct impacts are proposed. When direct impacts are proposed, mitigated wetlands and streams may be required to employ buffers based on Corps and Ecology joint regulatory guidance.

### Washington Department of Fish and Wildlife (WDFW)

Chapter 77.55 of the RCW (the Hydraulic Code) gives WDFW the authority to review, condition, and approve or deny “any construction activity that will use, divert, obstruct, or change the bed or flow of state waters.” This provision includes any in-water work, the crossing or bridging of any state waters and can sometimes include stormwater discharge to state waters. If a project meets regulatory requirements, WDFW will issue a Hydraulic Project Approval (HPA).

Through issuance of an HPA, WDFW can also restrict activities to a particular timeframe. Work is typically restricted to late summer and early fall. However, WDFW has in the past allowed crossings that don’t involve in-stream work to occur at any time during the year.

### Disclaimer

The information contained in this letter is based on the application of technical guidelines currently accepted as the best available science and in conjunction with the manuals and criteria referenced above. All discussions, conclusions and recommendations reflect the best professional judgment of the author(s) and are based upon information available at the time the study was conducted. All work was completed within the constraints of budget, scope, and timing. The findings of this report are subject to verification and agreement by the appropriate local, state and federal regulatory authorities. No other warranty, expressed or implied, is made.

Please call if you have any questions or if we can provide you with any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Sage Presster". The signature is written in a cursive style with a long horizontal stroke at the end.

Sage Presster  
Ecologist



## References

- Anderson, P.S. et al. 2016. Determining the Ordinary High Water Mark for Shoreline Management Act Compliance in Washington State. (Publication #16-06-029). Olympia, WA: Shorelands and Environmental Assistance Program, Washington Department of Ecology.
- Department of Ecology (Ecology). 2018. July 2018 Modifications for Habitat Score Ranges. Modified from Wetland Guidance for CAO Updates, Western Washington Version. (Publication #16-06-001). Accessed 8/16/18:  
<https://fortress.wa.gov/ecy/publications/parts/1606001part1.pdf>.
- Environmental Laboratory. 1987. "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Hruby, T. 2014. Washington State Wetland Rating System for Western Washington: 2014 Update. (Publication #14-06-029). Olympia, WA: Washington Department of Ecology.
- Mersel, M.K. and Lichvar, R.W. 2014. A Guide to Ordinary High Water Mark (OHWM) Delineation for Non-Perennial Streams in the Western Mountains, Valleys, and Coast Region of the United States. ERDC/CRREL TR-14-13.
- U.S. Army Corps of Engineers. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0). ed. J. S. Wakely, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-10-3. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS). 2015. National Engineering Handbook, Part 650 Engineering Field Handbook, Chapter 19 Hydrology Tools for Wetland Identification and Analysis. ed. R. A. Weber. 210-VI-NEH, Amend. 75. Washington, DC.

## Site Photos



Photo 1. Wetland A in the southeast property boundary.



Photo 2. Wooden retaining wall along edge of maintained lawn.



Photo 3. Driveway located in the western portion of the subject property.



Photo 4. Maintained lawn with small-fruited bulrush throughout.



Photo 5. The subject property and maintained lawn meeting wetland criteria.



Photo 6. Neighboring property and maintained lawn meeting wetland criteria.

**Wetland Reconnaissance Sketch – 6454 E. Mercer Way, Mercer Island, WA 98040**

Site Address: 6454 E. Mercer Way, Mercer Island, WA 98040  
 Parcel Number: 3024059118  
 Site Visit Date: July 30, 2021

Prepared for: Tyler Simpson  
 TWC Ref. No.: 210734



**Note:** Field sketch only. Features depicted are approximate and not to scale. Data points are marked with yellow- and black-striped flags. All observations were made from within the study area; adjoining private properties were not entered. Permission was granted to assess the mapped NWI wetland on the neighboring property (parcel #3024059003).



Project/Site: 6454 E. Mercer Way (Parcel #3024059118) City/County: Mercer Island Sampling date: 07-30-2021  
 Applicant/Owner: Tyler Simpson State: WA Sampling Point: DP-1  
 Investigator(s): S. Presster Section, Township, Range: S30, T24N, R05E  
 Landform (hillslope, terrace, etc): Lake Edge Local relief (concave, convex, none): None Slope (%): 1%  
 Subregion (LRR): A Lat: - Long: - Datum: -  
 Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year?  Yes  No (If no, explain in remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present on the site?  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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soils Present?                    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present?            Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: <b>Drier than normal per WETS methodology. Vegetation is mowed/maintained lawn. Wetland A in-pit.</b>	

**VEGETATION – Use scientific names of plants.**

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b> (Plot size: 5-m diameter)				<b>Dominance Test worksheet:</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across all Strata: <u>3</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>100%</u> (A/B)
1. _____				
2. _____				
3. _____				
4. _____				
<u>0</u> = Total Cover				
<b>Sapling/Shrub Stratum</b> (Plot size: 3-m diameter)				<b>Prevalence Index worksheet:</b> Total % Cover of:                    Multiply by: OBL species                    _____ x 1 = _____ FACW species                    _____ x 2 = _____ FAC species                    _____ x 3 = _____ FACU species                    _____ x 4 = _____ UPL species                    _____ x 5 = _____ Column Totals:                    (A)                    (B)  Prevalence Index = B/A = _____
1. _____				
2. _____				
3. _____				
4. _____				
<u>0</u> = Total Cover				
<b>Herb Stratum</b> (Plot size: 1-m diameter)				<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 – Dominance Test is > 50% <input type="checkbox"/> 3 – Prevalence Index is ≤ 3.0 <sup>1</sup> <input type="checkbox"/> 4 – Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 – Wetland Non-Vascular Plants <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <small><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small>
1. <u>Lotus corniculatus</u>	25	Y	FAC	
2. <u>Equisetum telmateia</u>	25	Y	FACW	
3. <u>Poa spp.</u>	60	Y	FAC*	
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
<u>110</u> = Total Cover				
<b>Woody Vine Stratum</b> (Plot size: 3-m diameter)				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1. _____				
2. _____				
<u>0</u> = Total Cover				
% Bare Ground in Herb Stratum: <u>0</u>				
Remarks:        *Presumed FAC.				





Project/Site: 6454 E. Mercer Way (Parcel #3024059118) City/County: Mercer Island Sampling date: 07-30-2021  
 Applicant/Owner: Tyler Simpson State: WA Sampling Point: DP-2  
 Investigator(s): S. Presster Section, Township, Range: S30, T24N, R05E  
 Landform (hillslope, terrace, etc): Small depression Local relief (concave, convex, none): Concave Slope (%): 1%  
 Subregion (LRR): A Lat: - Long: - Datum: -  
 Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year?  Yes  No (If no, explain in remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present on the site?  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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soils Present?                      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present?              Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: <b>Drier than normal per WETS methodology. Vegetation is mowed/maintained lawn. Wetland A in-pit.</b>	

**VEGETATION** – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b> (Plot size: 5-m diameter)				<b>Dominance Test worksheet:</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across all Strata: <u>3</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>100%</u> (A/B)
1. _____				
2. _____				
3. _____				
4. _____				
<u>0</u> = Total Cover				
<b>Sapling/Shrub Stratum</b> (Plot size: 3-m diameter)				<b>Prevalence Index worksheet:</b> Total % Cover of: <b>Multiply by:</b> OBL species                      _____ x 1 = _____ FACW species                      _____ x 2 = _____ FAC species                      _____ x 3 = _____ FACU species                      _____ x 4 = _____ UPL species                      _____ x 5 = _____ Column Totals:                      (A)                      (B)  Prevalence Index = B/A = _____
1. _____				
2. _____				
3. _____				
4. _____				
<u>0</u> = Total Cover				
<b>Herb Stratum</b> (Plot size: 1-m diameter)				<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 – Dominance Test is > 50% <input type="checkbox"/> 3 – Prevalence Index is ≤ 3.0 <sup>1</sup> <input type="checkbox"/> 4 – Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 – Wetland Non-Vascular Plants <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Iris pseudocorus</u>	25	Y	OBL	
2. <u>Equisetum arvense</u>	5	N	FAC	
3. <u>Poa spp.</u>	50	Y	FAC*	
4. <u>Lotus corniculatus</u>	10	N	FAC	
5. <u>Ranunculus repens</u>	40	Y	FAC	
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
<u>130</u> = Total Cover				
<b>Woody Vine Stratum</b> (Plot size: 3-m diameter)				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1. _____				
2. _____				
<u>0</u> = Total Cover				
% Bare Ground in Herb Stratum: <u>0</u>				
Remarks:      *Presumed FAC.				

**SOIL**

Sampling Point: DP-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	Color (moist)	%	Color (moist)	%				
0-6	10YR 3/4	100	-	-	-	-	Sandy silt loam	-
6-16	7.5YR 4/1	85	7.5YR 4/4	15	C	M, PL	Sand	-
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.						<sup>2</sup> Loc: PL=Pore Lining, M=Matrix.		
<b>Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)</b>					<b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b>			
<input type="checkbox"/> Histosol (A1)	<input checked="" type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Stripped Matrix (S6)		<input type="checkbox"/> 2cm Muck (A10)		<input type="checkbox"/> Red Parent Material (TF2)		
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)		<input type="checkbox"/> Very Shallow Dark Surface (TF12)		<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Redox Dark Surface (F6)		<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Redox Depressions (F8)						
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Thick Dark Surface (A12)							
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Sandy Mucky Mineral (S1)							
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)							
<b>Restrictive Layer (if present):</b>					<b>Hydric soil present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Type: _____								
Depth (inches): _____								
Remarks:								

**HYDROLOGY**

Wetland Hydrology Indicators:				Secondary Indicators (2 or more required)			
Primary Indicators (minimum of one required: check all that apply)				Secondary Indicators (2 or more required)			
<input type="checkbox"/> Surface water (A1)	<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Water Stained Leaves (except MLRA 1, 2, 4A & 4B) (B9)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A & 4B)	<input type="checkbox"/> Drainage Patterns (B10)	<input type="checkbox"/> Dry-Season Water Table (C2)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input checked="" type="checkbox"/> Geomorphic Position (D2)	<input type="checkbox"/> Shallow Aquitard (D3)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)	<input type="checkbox"/> Frost-Heave Hummocks	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Other (explain in remarks)					
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)						
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)							
<b>Field Observations:</b>				<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (in):	-				
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (in):	-				
Saturation Present? (includes capillary fringe)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (in):	6"				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

Project/Site: 6454 E. Mercer Way (Parcel #3024059118) City/County: Mercer Island Sampling date: 07-30-2021  
 Applicant/Owner: Tyler Simpson State: WA Sampling Point: DP-3  
 Investigator(s): S. Presster Section, Township, Range: S30, T24N, R05E  
 Landform (hillslope, terrace, etc): Slope Local relief (concave, convex, none): None Slope (%): 4%  
 Subregion (LRR): A Lat: - Long: - Datum: -  
 Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year?  Yes  No (If no, explain in remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present on the site?  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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soils Present?                      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present?              Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: <b>Drier than normal per WETS methodology. Vegetation is mowed/maintained lawn. Wetland A in-pit.</b>	

**VEGETATION** – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b> (Plot size: 5-m diameter)				
1.				
2.				
3.				
4.				
<u>0</u>	= Total Cover			
<b>Sapling/Shrub Stratum</b> (Plot size: 3-m diameter)				
1.				
2.				
3.				
4.				
5.				
<u>0</u>	= Total Cover			
<b>Herb Stratum</b> (Plot size: 1-m diameter)				
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
<u>100</u>	= Total Cover			
<b>Woody Vine Stratum</b> (Plot size: 3-m diameter)				
1.				
2.				
<u>0</u>	= Total Cover			
% Bare Ground in Herb Stratum: <u>0</u>				
Remarks:      *Presumed FAC.				

**Dominance Test worksheet:**  
 Number of Dominant Species that are OBL, FACW, or FAC:      3      (A)  
 Total Number of Dominant Species Across all Strata:      3      (B)  
 Percent of Dominant Species that are OBL, FACW, or FAC:      100%      (A/B)

**Prevalence Index worksheet:**  
 Total % Cover of:      Multiply by:  
 OBL species      \_\_\_\_\_ x 1 = \_\_\_\_\_  
 FACW species      \_\_\_\_\_ x 2 = \_\_\_\_\_  
 FAC species      \_\_\_\_\_ x 3 = \_\_\_\_\_  
 FACU species      \_\_\_\_\_ x 4 = \_\_\_\_\_  
 UPL species      \_\_\_\_\_ x 5 = \_\_\_\_\_  
 Column Totals:      (A)      (B)  
 Prevalence Index = B/A = \_\_\_\_\_

**Hydrophytic Vegetation Indicators:**  
 1 – Rapid Test for Hydrophytic Vegetation  
 2 – Dominance Test is > 50%  
 3 – Prevalence Index is ≤ 3.0<sup>1</sup>  
 4 – Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)  
 5 – Wetland Non-Vascular Plants<sup>1</sup>  
 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)  
<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?**      Yes     No



Project/Site: 6454 E. Mercer Way (Parcel #3024059118) City/County: Mercer Island Sampling date: 07-30-2021  
 Applicant/Owner: Tyler Simpson State: WA Sampling Point: DP-4  
 Investigator(s): S. Presster Section, Township, Range: S30, T24N, R05E  
 Landform (hillslope, terrace, etc): Lake Edge Local relief (concave, convex, none): None Slope (%): 1%  
 Subregion (LRR): A Lat: - Long: - Datum: -  
 Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year?  Yes  No (If no, explain in remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present on the site?  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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soils Present?                      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present?              Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: <b>Drier than normal per WETS methodology. Vegetation is mowed/maintained lawn. Wetland A out-pit.</b>	

**VEGETATION** – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status		
<b>Tree Stratum</b> (Plot size: 5-m diameter)					
1. <u>Sequoia sempervirens</u>	35	Y	NL	<b>Dominance Test worksheet:</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across all Strata: <u>1</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>100%</u> (A/B)	
2. _____					
3. _____					
4. _____					
<u>35</u> = Total Cover					
<b>Sapling/Shrub Stratum</b> (Plot size: 3-m diameter)					
1. _____				<b>Prevalence Index worksheet:</b> <b>Total % Cover of:</b> <b>Multiply by:</b> OBL species <u>        </u> x 1 = <u>        </u> FACW species <u>        </u> x 2 = <u>        </u> FAC species <u>        </u> x 3 = <u>        </u> FACU species <u>        </u> x 4 = <u>        </u> UPL species <u>        </u> x 5 = <u>        </u> Column Totals:                      (A)                      (B)  Prevalence Index = B/A =	
2. _____					
3. _____					
4. _____					
5. _____					
<u>0</u> = Total Cover					
<b>Herb Stratum</b> (Plot size: 1-m diameter)					
1. <u>Poa spp.</u>	95	Y	FAC*		
2. <u>Lotus corniculatus</u>	5	N	FAC		
3. _____					
4. _____					
5. _____					
6. _____					
7. _____					
8. _____					
9. _____					
10. _____					
11. _____					
<u>100</u> = Total Cover					
<b>Woody Vine Stratum</b> (Plot size: 3-m diameter)					
1. _____					
2. _____					
<u>0</u> = Total Cover					
% Bare Ground in Herb Stratum: <u>0</u>					
<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 – Dominance Test is > 50% <input type="checkbox"/> 3 – Prevalence Index is ≤ 3.0 <sup>1</sup> <input type="checkbox"/> 4 – Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 – Wetland Non-Vascular Plants <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <small><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small>					
<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Remarks:      *Presumed FAC.					



Project/Site: 6442 E. Mercer Way (Parcel #3024059003) City/County: Mercer Island Sampling date: 07-30-2021  
 Applicant/Owner: Tyler Simpson State: WA Sampling Point: DP-5  
 Investigator(s): S. Presster Section, Township, Range: S30, T24N, R05E  
 Landform (hillslope, terrace, etc): Lake Edge Local relief (concave, convex, none): None Slope (%): 2%  
 Subregion (LRR): A Lat: - Long: - Datum: -  
 Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 percent slopes NWI classification: PEM1C

Are climatic / hydrologic conditions on the site typical for this time of year?  Yes  No (If no, explain in remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present on the site?  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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soils Present?                      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present?              Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: <b>Drier than normal per WETS methodology. Vegetation is mowed/maintained lawn. Wetland A in-pit.</b>	

**VEGETATION** – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b> (Plot size: 5-m diameter)				
1. _____				<b>Dominance Test worksheet:</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across all Strata: <u>3</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>100%</u> (A/B)
2. _____				
3. _____				
4. _____				
<u>0</u> = Total Cover				
<b>Sapling/Shrub Stratum</b> (Plot size: 3-m diameter)				
1. _____				<b>Prevalence Index worksheet:</b> <b>Total % Cover of:</b> <b>Multiply by:</b> OBL species                      _____ x 1 = _____ FACW species                      _____ x 2 = _____ FAC species                      _____ x 3 = _____ FACU species                      _____ x 4 = _____ UPL species                      _____ x 5 = _____ Column Totals:                      (A)                      (B)  Prevalence Index = B/A = _____
2. _____				
3. _____				
4. _____				
5. _____				
<u>0</u> = Total Cover				
<b>Herb Stratum</b> (Plot size: 1-m diameter)				
1. <i>Scirpus microcarpus</i>	25	Y	OBL	<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 – Dominance Test is > 50% <input type="checkbox"/> 3 – Prevalence Index is ≤ 3.0 <sup>1</sup> <input type="checkbox"/> 4 – Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 – Wetland Non-Vascular Plants <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <small><sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.</small>
2. <i>Poa spp.</i>	40	Y	FAC*	
3. <i>Lysimachia nummularia</i>	10	N	FACW	
4. <i>Lotus corniculatus</i>	30	Y	FAC	
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
<u>105</u> = Total Cover				
<b>Woody Vine Stratum</b> (Plot size: 3-m diameter)				
1. _____				<b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____				
<u>0</u> = Total Cover				
% Bare Ground in Herb Stratum: <u>0</u>				
Remarks:      *Presumed FAC.				

**SOIL**

Sampling Point: DP-5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	Color (moist)	%	Color (moist)	%				
0-3	7.5YR 2.5/2	100	-	-	-	-	Sandy silt loam	-
3-16	10YR 4/1	80	7.5YR 4/4	20	C	M	Sand	-
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.						<sup>2</sup> Loc: PL=Pore Lining, M=Matrix.		
<b>Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)</b>					<b>Indicators for Problematic Hydric Soils<sup>3</sup>:</b>			
<input type="checkbox"/> Histosol (A1)	<input checked="" type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Stripped Matrix (S6)		<input type="checkbox"/> 2cm Muck (A10)		<input type="checkbox"/> Red Parent Material (TF2)		
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)		<input type="checkbox"/> Very Shallow Dark Surface (TF12)		<input type="checkbox"/> Other (Explain in Remarks)		
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Depleted Matrix (F3)	<input type="checkbox"/> Redox Dark Surface (F6)		<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Depleted Dark Surface (F7)	<input type="checkbox"/> Redox Depressions (F8)						
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Thick Dark Surface (A12)							
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Sandy Mucky Mineral (S1)							
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)							
<b>Restrictive Layer (if present):</b>					<b>Hydric soil present?</b>			
Type: _____					Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Depth (inches): _____								
Remarks:								

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b>			
Primary Indicators (minimum of one required: check all that apply)		Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface water (A1)	<input type="checkbox"/> Water-Stained Leaves (except MLRA 1, 2, 4A & 4B) (B9)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A & 4B)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Dry-Season Water Table (C2)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Shallow Aquitard (D3)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)	<input type="checkbox"/> Frost-Heave Hummocks
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Frost-Heave Hummocks	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)		
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)		
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (explain in remarks)		
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)			
<b>Field Observations:</b>		<b>Wetland Hydrology Present?</b>	
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (in): _____		
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (in): _____		
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			



Project/Site: 6442 E. Mercer Way (Parcel #3024059003) City/County: Mercer Island Sampling date: 07-30-2021  
 Applicant/Owner: Tyler Simpson State: WA Sampling Point: DP-6  
 Investigator(s): S. Presster Section, Township, Range: S30, T24N, R05E  
 Landform (hillslope, terrace, etc): Lake Edge Local relief (concave, convex, none): None Slope (%): 1%  
 Subregion (LRR): A Lat: - Long: - Datum: -  
 Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 percent slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year?  Yes  No (If no, explain in remarks.)  
 Are Vegetation , Soil , or Hydrology  significantly disturbed? Are "Normal Circumstances" present on the site?  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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soils Present?                    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present?            Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: <b>Drier than normal per WETS methodology. Vegetation is mowed/maintained lawn. Wetland A out-pit.</b>	

**VEGETATION** – Use scientific names of plants.

	Absolute % Cover	Dominant Species?	Indicator Status	
<b>Tree Stratum</b> (Plot size: 5-m diameter)				
1. <u><i>Thuja plicata</i></u>	35	Y	FAC	<b>Dominance Test worksheet:</b> Number of Dominant Species that are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across all Strata: <u>3</u> (B) Percent of Dominant Species that are OBL, FACW, or FAC: <u>66%</u> (A/B)
2. <u><i>Prunus lauricerasus</i></u>	30	Y	NL	
3. _____				
4. _____				
<u>65</u> = Total Cover				
<b>Sapling/Shrub Stratum</b> (Plot size: 3-m diameter)				
1. <u><i>Rhododendron macrophyllum</i></u>	15	Y	FACU	<b>Prevalence Index worksheet:</b> Total % Cover of: <b>Multiply by:</b> OBL species                    _____ x 1 = _____ FACW species                    _____ x 2 = _____ FAC species                    _____ x 3 = _____ FACU species                    _____ x 4 = _____ UPL species                    _____ x 5 = _____ Column Totals:                    (A)                    (B)  Prevalence Index = B/A = _____
2. _____				
3. _____				
4. _____				
5. _____				
<u>15</u> = Total Cover				
<b>Herb Stratum</b> (Plot size: 1-m diameter)				
1. <u><i>Poa spp.</i></u>	90	Y	FAC*	<b>Hydrophytic Vegetation Indicators:</b> <input type="checkbox"/> 1 – Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> 2 – Dominance Test is > 50% <input type="checkbox"/> 3 – Prevalence Index is ≤ 3.0 <sup>1</sup> <input type="checkbox"/> 4 – Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 – Wetland Non-Vascular Plants <sup>1</sup> <input type="checkbox"/> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u><i>Ranunculus repens</i></u>	10	N	FAC	
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
<u>100</u> = Total Cover				
<b>Woody Vine Stratum</b> (Plot size: 3-m diameter)				
1. _____				<b>Hydrophytic Vegetation Present?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>
2. _____				
<u>0</u> = Total Cover				
% Bare Ground in Herb Stratum: <u>0</u>				
Remarks:				

