

August 02, 2021

Tyler Simpson c/o Brad Sturman Sturman Architects, Inc. 9-103rd Avenue NE Suite 203 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	Kitsap silt loam, 2 to 8 percent slopes is mapped throughout the study area.
USFWS: NWI Wetland Mapper	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.
WDFW: PHS on the Web	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.
WDFW: SalmonScape	Lake Washington mapped with resident coastal cutthroat, kokanee, fall Chinook, winter steelhead, Dolly Varden / bull trout, sockeye and coho presence.
WA-DNR: Forest Practices Activity Mapping Tool	Lake Washington mapped as a Shoreline of the State. A Type-F stream is mapped approximately 500 feet south of the subject property.
King County iMap	None mapped onsite.
City of Mercer Island maps	None mapped onsite.
WETS Climatic Condition	Drier than normal.

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.

	Water Quality	Hydrologic	Habitat	Total	Category	Buffer Width
Wetland A	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.

Wetland Reconnaissance Report Tyler Simpson August 2, 2021 Page 8

Sincerely,

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 WetlandDelineation 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. ArmyEngineer 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.

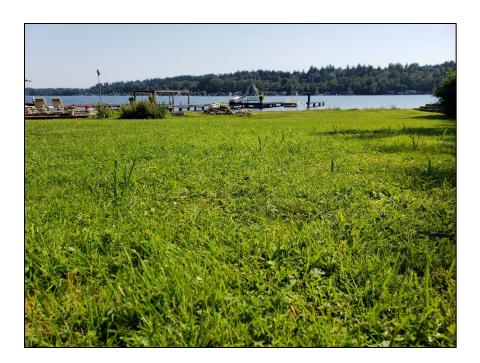


Photo 4. Maintained lawn with small-fruited bulrush throughout.



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 Prepared for: Tyler Simpson

Parcel Number: 3024059118 TWC Ref. No.: 210734

Site Visit Date: July 30, 2021



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 (Parc	el #30240591	18)		City/	County: N	Mercer Island Samp	ling date:	07-30-	-2021
<u>- </u>					- <u>-</u>	State: WA Sa			
Investigator(s): S. Presster					, Township,	Range: S30, T24N, R05E			
Landform (hillslope, terrace, etc): Lake						e, convex, none): None	Slo	pe (%):	1%
Subregion (LRR): A Lat: -									
Soil Map Unit Name: Kitsap Silt Loam,									
Are climatic / hydrologic conditions on the						· · · · · · · · · · · · · · · · · · ·			
Are Vegetation ⊠, Soil □, or Hydrology □			-			cumstances" present on the site	? □ Yes	⊠ No	
Are Vegetation □, Soil □, or Hydrology □	-					in any answers in Remarks.)			
SUMMARY OF FINDINGS – Attac	ch site map s	showing s	ampli				s, etc.		
Hydrophytic Vegetation Present?	Yes ⊠	No							
Hydric Soils Present?	Yes ⊠	No		ls w	the Sampl ⁄ithin a We	ed Area Yes	⊠ N	lo 🗌	
Wetland Hydrology Present?	Yes ⊠	No		"	minin a vvo	, tidild i			
VEGETATION – Use scientific nam	es of plants.								
<u>Tree Stratum</u> (Plot size: 5-m diameter) 1		Absolute % Cove		ominant pecies?	Indicator Status	Dominance Test worksheet Number of Dominant Species that are OBL, FACW, or FAC	;	3	(A)
3.						Total Number of Dominant Species Across all Strata:		3	(B)
4			=	Total Co	ver	Percent of Dominant Species that are OBL, FACW, or FAC		00%	(A/B)
Sapling/Shrub Stratum (Plot size: 3-m di	ameter)					Prevalence Index workshee	t:		
1. 2.						Total % Cover of: OBL species	$\frac{\text{Multiply}}{\text{x 1}} =$	<u>by:</u>	
3.						FACW species	x 2 =		<u> </u>
4. 5.						FAC species	_ x 3 = _		_
5.		0	=	Total Co	ver	FACU species UPL species	_ x 4 = _ x 5 =		_
Herb Stratum (Plot size: 1-m diameter)					540	Column Totals:	(A)		(B)
Lotus corniculatus Equisetum telmateia		25 25		Y Y	FACW	Prevalence Index = B/A =			
3. Poa spp.		60		Υ	FAC*	Hydrophytic Vegetation			
4						☐ 1 – Rapid Test for Hydro ☐ 2 – Dominance Test is >		etation	
6.						☐ 3 – Prevalence Index is ≤	≤ 3.0 ¹		
7. 8.						4 – Morphological Adapta data in Remarks or c	ations¹ (Pro n a separa	ovide sup ate sheet)	porting
9.						☐ 5 – Wetland Non-Vascula	ar Plants ¹		
10.						☐ Problematic Hydrophytic ¹Indicators of hydric soil and v			
11		110	=	Total Co	ver	present, unless disturbed or p			iusi be
Woody Vine Stratum (Plot size: 3-m diar 1.	,					Hydrophytic			
1						Vegetation Ye	s 🛛	No 🗆]
		0	=	Total Co	ver	Present?			
% Bare Ground in Herb Stratum: 0						<u>I</u>			
Remarks: *Presumed FAC.									

		ribe to the	depth need			or or confirm the a	bsence	of indicators.)	1	
Depth (inches)	Matrix Color (moist)	%	Color (_	Redox Features % T	ype ¹ Loc	2	Texture	Re	marks
0-5	10YR 4/3	100	-		-			Sand		-
5-16	Gley 1 4/N	98	7.5YF	2 1/1	2	C M		Sand		
3-10	Gley 1 4/11	90	7.511	X 4/4		C IVI		Sanu		
¹Type: C=0	Concentration, D=	Depletion	RM=Reduc	ed Matrix, 0	CS=Covered or Co	ated Sand Grains.	² Loc:	PL=Pore Lining	, M=Matrix.	
	il Indicators: (Ap							tors for Proble		ic Soils³:
-	sol (A1)			Sandy Re			□ 2	cm Muck (A10)		
	Epipedon (A2)				Matrix (S6)			Red Parent Mate	, ,	
	Histic (A3)				ucky Mineral (F1)	(except MLRA 1)		ery Shallow Da		TF12)
,	gen Sulfide (A4) ted Below Dark S	Curfoon (A		•	eyed Matrix (F2) Matrix (F3)			Other (Explain in	Remarks)	
	Dark Surface (A1	•	1)		ark Surface (F6)		3 Indic:	ators of hydroph	ovtic vegetat	ion and
	/ Mucky Mineral (Dark Surface (F7)			etland hydrology		
	/ Gleyed Matrix (S	,			epressions (F8)			sturbed or probl		
Restrictive	Layer (if prese	nt):								
Type:		·				Hydric soi		Yes	⊠ No	
1	(inches):					present?		100		
Берит	(ITICHES).									
Remarks:										
HYDROL	OGY									
	ydrology Indica		and and a decade	l II dh - t	I. A		0		. (0	
	dicators (minimun	n of one re	quirea: chec					ndary Indicators		
	ce water (A1) Nater Table (A2)			□ Water- \$ & 4B) (I		cept MLRA 1, 2, 4/	+ \Box	Water-Stained 2, 4A & 4B)	Leaves (B9) (MLRA 1,
J	ation (A3)		Г	, ,	ust (B11)			Drainage Patt	erns (B10)	
	Marks (B1)		_		Invertebrates (B1:	3)		Dry-Season W		C2)
	nent Deposits (B2	2)	[•	en Sulfide Odor (C	,		Saturation Visi		
☐ Drift D	eposits (B3)		[Oxidize	d Rhizospheres ald	ong Living Roots (C3)		Geomorphic F	Position (D2)	
	Mat or Crust (B4)				ce of Reduced Iror	` '		Shallow Aquita		
	eposits (B5)	٥)	[Iron Reduction in	, ,		FAC-Neutral T		
	ce Soil Cracks (B	•	[(DZ)		l or Stressed Plant			Raised Ant Mo		LRR A)
	ation Visible on A ely Vegetated Co	_		☐ Other (e	explain in remarks)			Frost-Heave H	nummocks	
Field Obse		noave ou	1400 (20)							
	ater Present?	Yes □	No ⊠	Depth (ii	n)					
				, ,	· _	Wetland Hyd		Ye	s 🛛 I	No 🗆
	e Present?		No ⊠	Depth (ii	·	Presen	it?			
Saturation (includes c	Present? apillary fringe)	Yes	No ⊠	Depth (ii	n): <u>5"</u>					
		ream gaug	je, monitorin	g well, aeria	al photos, previous	inspections), if avai	lable:			
	•	,			-					
_										
Remarks:										
Ī										



Project/Site: 6454 E. Mercer Way (Parcel #30240)59118)	City/	County: N	Mercer Island Sam	pling date: 07-30	0-2021
Applicant/Owner: Tyler Simpson				State: WA Sa	ampling Point: <u>DF</u>	P-2
Investigator(s): S. Presster		Section	, Township,	Range: S30, T24N, R05E		
Landform (hillslope, terrace, etc): Small depress			elief (concav	e, convex, none): Concave	Slope (%):	1%
Subregion (LRR): A Lat: -					<u> </u>	
Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 pe				I classification: None		
Are climatic / hydrologic conditions on the site typical	·			-		
Are Vegetation ⊠, Soil □, or Hydrology □ significa				cumstances" present on the site	e? □ Yes ☒ No	
Are Vegetation □, Soil □, or Hydrology □ naturally	•			in any answers in Remarks.)		
SUMMARY OF FINDINGS — Attach site m	ap showing sar				es, etc.	
Hydrophytic Vegetation Present? Yes	⊠ No □					
Hydric Soils Present? Yes	⊠ No □		the Sampl ⁄ithin a We		⊠ No □	
Wetland Hydrology Present? Yes	⊠ No □		Titling a Tre	, iidiid i		
VEGETATION – Use scientific names of pla	ints.			Γ		
Tree Stratum (Plot size: 5-m diameter) 1	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test workshee Number of Dominant Species that are OBL, FACW, or FAC	s 3	(A)
2				Total Number of Dominant Species Across all Strata:	3	(B)
4	0	= Total Co	ver	Percent of Dominant Species that are OBL, FACW, or FAC		(A/B)
Sapling/Shrub Stratum (Plot size: 3-m diameter)				Prevalence Index workshee		
1. 2.				Total % Cover of: OBL species	Multiply by: x 1 =	
3.				FACW species	x 2 =	
4.				FAC species	x 3 =	
5	0	= Total Co	ver	FACU species UPL species	_ x 4 = x 5 =	
Herb Stratum (Plot size: 1-m diameter)		_ = 10ta1 00	VOI	Column Totals:	_ (A)	— (B)
1. Iris pseudocorus	25	Y	OBL	Prevalence Index = B/A =		
Equisetum arvense Poa spp.	5 50	N Y	FAC*	Hydrophytic Vegetatio	n Indicators:	
4. Lotus corniculatus	10	N	FAC	☐ 1 – Rapid Test for Hydro	ophytic Vegetation	
5. Ranunculus repens	40	Υ	FAC	☑ 2 – Dominance Test is >☐ 3 – Prevalence Index is		
6. 7.				4 – Morphological Adapt		pporting
8				data in Remarks or	on a separate shee	t)
9.				□ 5 – Wetland Non-Vascul□ Problematic Hydrophytic		ain)
10 11				¹ Indicators of hydric soil and		
	130	= Total Co	ver	present, unless disturbed or	problematic.	
Woody Vine Stratum (Plot size: 3-m diameter) 1.				Hydrophytic	M. N. F	7
2	0	= Total Co	ver	Vegetation Ye Present?	es ⊠ No □	_
% Bare Ground in Herb Stratum: 0			-			
Remarks: *Presumed FAC.						

		ribe to the	e depth nee				or confirm the ab	sence	of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (_	Redox Feat %	<u>ures</u> Type	e ¹ Loc ²	2	Texture	Re	emarks
0-6	10YR 3/4	100	-	,	-		-		Sandy silt loam		-
6-16	7.5YR 4/1	85	7.5YI	R 4/4	15	С	M, P	L	Sand		-
							,				
¹Tvpe: C=0	Concentration, D=	:Depletion	. RM=Reduc	ed Matrix.	CS=Covere	d or Coate	ed Sand Grains.	² Loc:	PL=Pore Linin	g. M=Matrix.	
	il Indicators: (Ap								tors for Probl		ric Soils³:
☐ Histos	sol (A1)	•	\boxtimes	Sandy Re	edox (S5)	,			cm Muck (A10	-	
	Epipedon (A2)			-	Matrix (S6)				Red Parent Mat	,	
☐ Black	Histic (A3)			Loamy M	ucky Minera	al (F1) (ex	cept MLRA 1)	□ V	ery Shallow D	ark Surface	(TF12)
	gen Sulfide (A4)			•	leyed Matrix	` '			Other (Explain i	n Remarks)	
	ted Below Dark S	•	•		Matrix (F3)						
	Dark Surface (A1	,			ark Surface	. ,			ators of hydrop		
	/ Mucky Mineral (Dark Surfa	, ,			etland hydrolog sturbed or prob		resent, unless
	/ Gleyed Matrix (S			Redox De	epressions	(F8)	I	uic	sturbed of proc	nematic.	
Restrictive	Layer (if prese	nt):									
Type:							Hydric soil		Yes	⊠ No	
Denth	(inches):						present?				
Ворит	(ITICTICS).										
Remarks:											
	201										
HYDROL											
	ydrology Indica dicators (minimun		equired: chec	k all that a	oply)			Seco	ndary Indicator	s (2 or more	required)
☐ Surfac	ce water (A1)			- Water-	Stained Lea	ves (exce	pt MLRA 1, 2, 4A		Water-Staine	d Leaves (B	9) (MLRA 1.
☐ High \	Water Table (A2)		L	□ & 4B) ((, ,		2, 4A & 4B)	,	-,(
Satura	ation (A3)		[☐ Salt Cr	ust (B11)				Drainage Pat	terns (B10)	
☐ Water	Marks (B1)		[☐ Aquatio	Invertebra	tes (B13)			Dry-Season \	Nater Table	(C2)
	ent Deposits (B2)	[☐ Hydrog	en Sulfide (Odor (C1)			Saturation Vis	sible on Aeria	I Imagery (C9)
☐ Drift □	Deposits (B3)		[Oxidize	d Rhizosph	eres along	Living Roots (C3)	\boxtimes	Geomorphic	Position (D2))
☐ Algal I	Mat or Crust (B4)		[Presen	ce of Reduc	ced Iron (C	(4)		Shallow Aqui	tard (D3)	
☐ Iron D	eposits (B5)			Recent	Iron Reduc	tion in Tille	ed Soils (C6)	\boxtimes	FAC-Neutral	Test (D5)	
☐ Surfac	ce Soil Cracks (B	6)	[Stunted	or Stresse	d Plants (I	01) (LRR A)		Raised Ant M	lounds (D6)	(LRR A)
	ation Visible on A	_		Other (explain in re	emarks)			Frost-Heave	Hummocks	
☐ Spars	ely Vegetated Co	ncave Su	rface (B8)								
Field Obse	ervations:										
Surface Wa	ater Present?	Yes \square	No ⊠	Depth (i	n):	-	Wetland Hyd	rology		-	_
Water Tabl	e Present?	Yes □	No ⊠	Depth (i	n):	-	Present		Y	es 🛛	No 🗆
Saturation (includes c	Present? apillary fringe)	Yes ⊠	No 🗆	Depth (i	n):	6"					
Describe R	ecorded Data (st	ream gau	ge, monitorin	g well, aeri	al photos, p	revious in	spections), if avail	able:			
	·	-									
Remarks:											



Project/Site: _6454 E. Mercer Way (Parc	el #30240	59118	3)		City/	/County: N	Mercer Island Sa	ampling da	ate: 07-30)-2021
							State: WA			
Investigator(s): S. Presster						, Township,	Range: S30, T24N, R058	≣		
Landform (hillslope, terrace, etc): Slope							e, convex, none): None		Slope (%):	4%
Subregion (LRR): A Lat: -										
Soil Map Unit Name: Kitsap Silt Loam,										
Are climatic / hydrologic conditions on the							-			
Are Vegetation ⊠, Soil □, or Hydrology □				-			cumstances" present on the	site? □ Y	′es ⊠ No	
Are Vegetation □, Soil □, or Hydrology □	-	-			(If ne	eeded, expla	in any answers in Remarks	.)		
SUMMARY OF FINDINGS – Attac	ch site ma	ap sh	owing	sampl						
Hydrophytic Vegetation Present?	Yes	\boxtimes	No							
Hydric Soils Present?	Yes	\boxtimes	No			the Sampl vithin a We		es 🗆	No 🛛	
Wetland Hydrology Present?	Yes	\boxtimes	No		, v	vitiliii a vve	ruana:			
VEGETATION – Use scientific nam	es of pla	nts.					Τ			
Tree Stratum (Plot size: 5-m diameter) 1.			Absolut % Cove		ominant pecies?	Indicator Status	Dominance Test worksh Number of Dominant Spe- that are OBL, FACW, or F	cies	3	(A)
3.							Total Number of Dominan Species Across all Strata:		3	(B)
4				=	Total Co	ver	Percent of Dominant Specthat are OBL, FACW, or F		100%	(A/B)
Sapling/Shrub Stratum (Plot size: 3-m dia	ameter)						Prevalence Index works	neet:		
1. 2.							Total % Cover of: OBL species	<u>Multi</u> x 1 =	<u>iply by:</u> =	
3.							FACW species	x 2 =		<u> </u>
4.							FACILIPAGIA	x 3 =		
5			0	=	Total Co	ver	FACU species UPL species	x 4 = x 5 =		—
Herb Stratum (Plot size: 1-m diameter)		_					Column Totals:	(A)		(B)
Poa spp. Lotus corniculatus			50 30		Y Y	FAC*	Prevalence Index = B/A =			
3. Equisetum telmateia			20		Υ	FACW	Hydrophytic Vegeta			
4. 5.							□ 1 – Rapid Test for Hy⊠ 2 – Dominance Test i		Vegetation	
6.							☐ 3 – Prevalence Index			
7. 8.							☐ 4 – Morphological Ad data in Remarks	aptations ¹	(Provide support	pporting
9.							□ 5 – Wetland Non-Vas			•)
10.							☐ Problematic Hydroph			,
11			100	=	Total Co	ver	¹Indicators of hydric soil a present, unless disturbed			nust be
Woody Vine Stratum (Plot size: 3-m diar				-			Hydrophytic			_
2			0	=	Total Co	ver	Vegetation Present?	Yes 🛚	No 🗆	L
% Bare Ground in Herb Stratum: 0		_				**				
Remarks: *Presumed FAC.										

	scription: (Descr	ibe to the	depth needed to			or confirm the at	sence	of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	Redox Fea %	tures Type	Loc ²	2	Texture		Remarks
0-3	7.5YR 2.5/2	100	-	-	- Type			Silt loam	'	-
3-16	10YR 5/1	80	7.5YR 4/6	15	С	M		Sandy silt		
3 10	1011(3/1		7.511(4/0	10		IVI		loam Sandy silt		
3-16	-	-	7.5YR 4/4	5	С	M		Sandy silt loam		
¹Type: C=C	Concentration, D=	Depletion,	RM=Reduced Ma	atrix, CS=Covere	ed or Coate	d Sand Grains.	² Loc: I	PL=Pore Lining	g, M=Matri	х.
Hydric Soi	il Indicators: (Ap	plicable to	all LRRs, unles	s otherwise no	ted.)		Indicat	tors for Proble	ematic Hy	dric Soils³:
☐ Histos	sol (A1)		□ San	dy Redox (S5)			□ 20	cm Muck (A10))	
☐ Histic	Epipedon (A2)		☐ Strip	ped Matrix (S6))			ed Parent Mat		
	Histic (A3)			my Mucky Miner		cept MLRA 1)		ery Shallow Da		
	gen Sulfide (A4)			my Gleyed Matr				ther (Explain ir	n Remarks	5)
	ted Below Dark S	•	,	leted Matrix (F3	,		2			
	Dark Surface (A1: Mucky Mineral (S			ox Dark Surface leted Dark Surfa				ators of hydrop		present, unless
	/ Mucky Milleral (\ / Gleyed Matrix (S			ox Depressions	` '			turbed or prob		present, unless
			Rea	OX Depressions	(10)					
_	e Layer (if preser	it):				Hydric soil				
Type:						present?		Yes	⊠ N	o ∐
Depth	(inches):					-				
Remarks:										
Remarks.										
LIVEROL	00V									
HYDROLO										
	lydrology Indicat dicators (minimum		uired: check all tl	hat apply)			Secor	ndary Indicator	s (2 or mo	re required)
	ce water (A1)			11.77	aves (exce	ot MLRA 1, 2, 4A				B9) (MLRA 1,
	Nater Table (A2)			4B) (B9)	aves (exce	pt WERA 1, 2, 4A		2, 4A & 4B)	a Loaves (DO) (MEICA 1,
	ation (A3)			alt Crust (B11)				Drainage Patt	erns (B10)
	Marks (B1)		□ Ac	quatic Invertebra	ates (B13)			Dry-Season V	•	
☐ Sedim	nent Deposits (B2)		☐ Hy	drogen Sulfide	Odor (C1)			Saturation Vis	ible on Ae	rial Imagery (C9)
☐ Drift D	Deposits (B3)		□ O>	kidized Rhizosph	neres along	Living Roots (C3)	\boxtimes	Geomorphic F	Position (D	2)
☐ Algal I	Mat or Crust (B4)		□ Pr	esence of Redu	iced Iron (C	4)		Shallow Aquit	ard (D3)	
	eposits (B5)			ecent Iron Redu		` ,	\boxtimes	FAC-Neutral	, ,	
	ce Soil Cracks (B6	,		unted or Stress	•	01) (LRR A)		Raised Ant M	•	, ,
	ation Visible on A	Ū	, ,	ther (explain in r	emarks)			Frost-Heave I	Hummocks	3
☐ Sparse	ely Vegetated Cor	ncave Suna	ace (B8)							
		Yes □	No ⊠ De	nth (in).						
	ater Present?			pth (in):	-	Wetland Hyd		V	es 🏻	No 🗆
	le Present?	Yes \square		pth (in):	-	Present	?	1 8	55 M	NO L
Saturation (includes ca	Present? apillary fringe)	Yes □	No ⊠ De	pth (in):	-					
	Recorded Data (str	eam daude	e. monitorina well	. aerial photos	previous ins	spections), if avail	able:			
2000110011		Jann gaage	.,oog won	, 201141 2110100,	p. 011000 1110	,, , , , , , , , , , , , , , , , , , ,				
Remarks:										



Project/Site: 6454 E. Mercer Way (Parcel #302405	59118)	City/County:	Mercer Island Samp	ling date: <u>07-3</u>	0-2021
Applicant/Owner: Tyler Simpson			State: WA Sai	mpling Point: DI	P-4
Investigator(s): S. Presster		Section, Township,	Range: S30, T24N, R05E		
Landform (hillslope, terrace, etc): Lake Edge			e, convex, none): None	Slope (%):	1%
Subregion (LRR): A Lat: -				-	
Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 per			/I classification: None		
Are climatic / hydrologic conditions on the site typical		•			
Are Vegetation ⊠, Soil □, or Hydrology □ significan			cumstances" present on the site	2 □ Vas □ Nr	,
Are Vegetation □, Soil □, or Hydrology □ naturally	•		ain any answers in Remarks.)	: Lies Zinc	,
Are vegetation E, soil E, or riverelegy E naturally	orobicinatio:	(II fieeded, expir	an any answers in Remarks.		
SUMMARY OF FINDINGS — Attach site ma	p showing sampli	ng point locations,	transects, important feature	s, etc.	
Hydrophytic Vegetation Present? Yes	⊠ No □				
Hydric Soils Present? Yes	\square No \boxtimes	Is the Sample within a We		\square No \boxtimes	
Wetland Hydrology Present? Yes	□ No ⊠	Within a W	, iidiid i		
VEGETATION – Use scientific names of plan	nts.				
Tree Stratum (Plot size: 5-m diameter) 1. Sequoia sempervirens		ominant Indicator pecies? Status Y NL	Dominance Test worksheet: Number of Dominant Species that are OBL, FACW, or FAC:	1	(A)
2		1 142	Total Number of Dominant	1	_ ('')
3			Species Across all Strata:		(B)
4		Total Cover	Percent of Dominant Species that are OBL, FACW, or FAC:		(A/B)
Sapling/Shrub Stratum (Plot size: 3-m diameter)			Prevalence Index workshee		
1.			Total % Cover of:	Multiply by:	
2. 3.			OBL species FACW species	x 1 =	
4.			FAC species	x 3 =	
5		-	FACU species	x 4 =	
Herb Stratum (Plot size: 1-m diameter)	0 =	Total Cover	UPL species Column Totals:	_ x 5 = (A)	(B)
1. Poa spp.	95	Y FAC*	Prevalence Index = B/A =	()	(-)
2. <u>Lotus corniculatus</u> 3.	5	N FAC	Hydrophytic Vegetation	Indicators:	
4.			☐ 1 – Rapid Test for Hydro		
5			 2 – Dominance Test is > 3 – Prevalence Index is ≤		
6. 7.			4 – Morphological Adapta		upporting
8			data in Remarks or o	n a separate shee	
9			□ 5 – Wetland Non-Vascula□ Problematic Hydrophytic		ain)
11.			¹ Indicators of hydric soil and v	vetland hydrology	
Mandy Vine Street in (Blot size, 2 m diameter)	100 =	Total Cover	present, unless disturbed or p	roblematic.	
Woody Vine Stratum (Plot size: 3-m diameter) 1			Hydrophytic		
2.		T	Vegetation Ye	s 🛛 No 🛭]
% Bare Ground in Herb Stratum: 0	=	Total Cover	Present?		
Remarks: *Presumed FAC.			ı		
1100411041710.					

			he dept	h need			or confirm the at	sence	of indicators.	.)	
Depth (inches)	Matrix Color (moist)	%	(Color (m		ox Features % Type	e ¹ Loc ²	2	Texture	F	Remarks
0-4	10YR 4/3	100		-			-		Sandy loam		-
	10YR 5/3										
4-16	10113/3	100	J			<u> </u>	-		Sandy loam		-
¹Type: C=C	concentration, D=	=Depletion	on, RM=	Reduce	d Matrix, CS=	Covered or Coate	ed Sand Grains.	² Loc:	PL=Pore Linin	g, M=Matrix	κ.
	l Indicators: (Ap							Indica	tors for Probl	ematic Hy	dric Soils³:
☐ Histos	ol (A1)				Sandy Redox	(S5)		□ 2	cm Muck (A10)	
	Epipedon (A2)				Stripped Matr	` '			ted Parent Mat		
	Histic (A3)					/ Mineral (F1) (ex	cept MLRA 1)		ery Shallow D		
,	gen Sulfide (A4)	· · · · · · · · · · · · · · · · · · ·	(111)		Loamy Gleye				ther (Explain i	n Remarks)
	ted Below Dark S Dark Surface (A		(A11)		Depleted Mat Redox Dark S	, ,		3 Indica	ators of hydrop	hytic yeaet	ation and
	Mucky Mineral (,				k Surface (F7)					present, unless
	Gleyed Matrix (. ,			Redox Depre				sturbed or prob		
Restrictive	Layer (if prese	nt):									
Type:		-					Hydric soil		Yes	П м	o 🛛
	(in ab as).						present?		163	,	0 🖾
Depth	(inches):										
Remarks:											
HYDROLO	OGY										
	ydrology Indica		roquiros	l: abaala	all that annly	\		5000	ndaru Indiaata	ro (2 or mo	ro roquirod)
	licators (minimur e water (A1)	n or one	required	i. cneck				Seco	ndary Indicato		
	e water (A1) Vater Table (A2)				**************************************	ned Leaves (exce	pt MLRA 1, 2, 4A		vvater-Staine 2, 4A & 4B)	a Leaves (B9) (MLRA 1,
J	tion (A3)				, , ,	B11)			Drainage Pat	terns (B10))
	Marks (B1)					ertebrates (B13)			Dry-Season \		
□ Sedim	ent Deposits (B2	2)				Sulfide Odor (C1)			-		rial Imagery (C9)
	eposits (B3)				Oxidized Rh	nizospheres along	Living Roots (C3)		Geomorphic	Position (D	2)
	Mat or Crust (B4)					of Reduced Iron (C	,		Shallow Aqui		
	eposits (B5)	C)				Reduction in Tille			FAC-Neutral		\
	e Soil Cracks (B ation Visible on A		agon, (P	□ 7) □		Stressed Plants (I ain in remarks))1) (LRR A)		Raised Ant M Frost-Heave	,	, ,
	ely Vegetated Co				Other (expi	alli ili reiliaiks)		ш	r iosi-i leave	HUITIITIOCKS	•
Field Obse			, , , , , , , , , , , , , , , , , , , 	-0)							
	ater Present?	Yes	□ No	\boxtimes	Depth (in):	_					
			□ No	_	Depth (in):		Wetland Hyd		Υ	es 🗆	No 🛛
Water Table				_	,		Present		•	_	
Saturation I (includes ca	Present? apillary fringe)	Yes	□ No		Depth (in):	-					
Describe R	ecorded Data (st	ream ga	auge, mo	nitoring	well, aerial pl	hotos, previous in	spections), if availa	able:			
		=		_							
_											
Remarks:											



Project/Site: 6442 E. Mercer Way (Parcel #3024059003) City/County: Mercer Island Sampling	date: 07-30	-2021
Applicant/Owner: Tyler Simpson State: WA Sampli	ing 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: - 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? □	JVes ⊠ No	
Are Vegetation □, Soil □, or Hydrology □ naturally problematic? (If needed, explain any answers in Remarks.)	1 1C3 🖂 140	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, e	etc.	
Hydrophytic Vegetation Present? Yes ⊠ No □		
Hydric Soils Present? Yes ⊠ No □ Is the Sampled Area within a Wetland? Yes ☒	No □	
Wetland Hydrology Present? Yes ⊠ No □		
VEGETATION – Use scientific names of plants.		
Absolute Dominant Indicator Species? Status Dominant Species that are OBL, FACW, or FAC:	3	_ (A)
2. Total Number of Dominant Species Across all Strata:	3	(B)
4 Percent of Dominant Species that are OBL, FACW, or FAC:	100%	(A/B)
Sapling/Shrub Stratum (Plot size: 3-m diameter) Prevalence Index worksheet:		
OBI appaign	Multiply by: 1 =	
	2 =	_
4. FAC species x	3 =	
	4 =	
	: 5 = A)	— (B)
1. Scirpus microcarpus 25 Y OBL Prevalence Index = B/A =	7	(-)
2. <u>Poa spp.</u> 40 Y FAC*	dicators:	
3. Lysimachia nummularia 10 N FACW Hydrophytic Vegetation Inc. 4. Lotus corniculatus 30 Y FAC □ 1 – Rapid Test for Hydrophytic		
5. \(\times 2 - \text{Dominance Test is > 509}	J	
6 3 – Prevalence Index is ≤ 3.0		
7 4 – Morphological Adaptation data in Remarks or on a	ns' (Provide sup separate sheet)	porting
9 5 – Wetland Non-Vascular P	Plants ¹	
10. Problematic Hydrophytic Veg		
11		nust be
Woody Vine Stratum (Plot size: 3-m diameter) 1. Hydrophytic		
2. Vegetation Yes	⊠ No □	J
0 = Total Cover Present?		
·		
Remarks: *Presumed FAC.		

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)													
Depth (inches)	Matrix Color (moist)	%	,	Color (m		<u>ox Features</u> % Typ	pe¹ Loc²	2	Texture	R	emarks		
0-3	7.5YR 2.5/2	10		-			-		Sandy silt loam		-		
3-16	10YR 4/1	80	n	7.5YR	4/4 '	20 C	M		Sand				
3-10	1011(4/1	- 01	<u> </u>	7.5110	7/4	20 0	· IVI		Janu				
¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Loc: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³:													
_	٠.	plicab	le to all	•		•	Indicators for Problematic Hydric Soils ³ :						
☐ Histos	` '				Sandy Redox		□ 2cm Muck (A10) □ Red Parent Material (TF2)						
	Epipedon (A2) Histic (A3)				Stripped Mati	rıx (56) y Mineral (F1) (e)	(cent MI RA 1)		ted Parent Mat ery Shallow Da		(TF12)		
	gen Sulfide (A4)					ed Matrix (F2)	(COPT WERT 1)		Other (Explain i		. ,		
,	ed Below Dark S	Surface	(A11)		Depleted Mat				(=	,			
	Dark Surface (A1				Redox Dark S				ators of hydrop				
,	Mucky Mineral (,			•	rk Surface (F7)			etland hydrolog		resent, unless		
☐ Sandy	Gleyed Matrix (S	S4)			Redox Depre	essions (F8)	1	ais	sturbed or prob	nematic.			
Restrictive	Layer (if prese	nt):					Unadala a all						
Type:							Hydric soil Yes ⊠ No □						
Depth	(inches):						present?						
Boput (monoo).													
Remarks:													
HYDROLO	OGY												
	drology Indication (minimun		a require	ad: chack	all that annly	1		Seco	ndary Indicato	rs (2 or mor	e required)		
-	e water (A1)	1 01 0110	require	a. criccit			ept MLRA 1, 2, 4A		Water-Staine		. ,		
	/ater Table (A2)				& 4B) (B9)	,	ept werk 1, 2, 4A		2, 4A & 4B)	u Leaves (L	os) (WILKA I,		
□ Satura					Salt Crust ((B11)			Drainage Pat	terns (B10)			
	Marks (B1)					vertebrates (B13)			Dry-Season \				
	ent Deposits (B2	()				Sulfide Odor (C1)					al Imagery (C9		
	eposits (B3)					กเzospneres alon of Reduced Iron (g Living Roots (C3)		Geomorphic	•	2)		
_	/lat or Crust (B4) eposits (B5)					n Reduction in Til	,		Shallow Aqui FAC-Neutral				
	e Soil Cracks (B	6)				Stressed Plants	` ,	(LRR A)					
	tion Visible on A	,	nagery (I			lain in remarks)	(DT) (ERRY A)		Frost-Heave		(LIKIK A)		
	ely Vegetated Co				(sp.	,							
Field Obse	rvations:												
Surface Wa	ter Present?	Yes	□ N	o 🗵	Depth (in):	-							
Water Table	e Present?	Yes	□ N	o 🗵	Depth (in):		Wetland Hyd Present		Y	es 🏻	No 🗆		
Saturation F	Present? apillary fringe)	Yes	□ N	o 🗵	Depth (in):								
,		ream a	auge. m	onitoring	well, aerial n	hotos, previous ir	nspections), if avail	able:					
	Data (St	. 55m g	go, iii	o g	, aonai p		poonono,, ii avaii						
Remarks:													



Project/Site: 6442 E. Mercer Way (Parcel #302	4059003)	City/Co	unty: Mo	ercer Island Samp	ling date: 07-	-30-2021	
Applicant/Owner: Tyler Simpson				State: WA Sai	mpling Point:	DP-6	
			ownship, F	Range: S30, T24N, R05E	_		
Landform (hillslope, terrace, etc): Lake Edge			(concave	, convex, none): None	Slope (%	%): 1%	
Subregion (LRR): A Lat: -		_		Datum:			
Soil Map Unit Name: Kitsap Silt Loam, 2 to 8 p		<u> </u>		classification: None			
Are climatic / hydrologic conditions on the site typi		ar? □ Yes					
Are Vegetation ⊠, Soil □, or Hydrology □ signific	-			umstances" present on the site	2 □ Vas 🕅 1	No	
Are Vegetation □, Soil □, or Hydrology □ natural	-			n any answers in Remarks.)	: 🗆 103 🖾 1	40	
SUMMARY OF FINDINGS – Attach site					s, etc.		
Hydrophytic Vegetation Present? Yes							
Hydric Soils Present? Yes	s □ No ⊠		Is the Sampled Area Yes ☐ No within a Wetland?				
Wetland Hydrology Present? Yes	s □ No ⊠	Witi	iii a wei	lianu r			
VEGETATION – Use scientific names of p	lants.						
Tree Stratum (Plot size: 5-m diameter)	% Cover S	Species? S	ndicator Status	Number of Dominant Species	2	(4)	
Thuja plicata Prunus lauricerasus	35 30	Y Y	FAC NL	that are OBL, FACW, or FAC: Total Number of Dominant		(A)	
3.				Species Across all Strata:	3	(B)	
4		= Total Cover		Percent of Dominant Species that are OBL, FACW, or FAC:		(A/B)	
Sapling/Shrub Stratum (Plot size: 3-m diameter)				Prevalence Index workshee		, ,	
Rhododendron macrophyllum		Υ	FACU	Total % Cover of:	Multiply by:		
2. 3.				OBL species FACW species	x 1 =		
4.				FAC species	x 3 =		
5		T / 10		FACU species	x 4 =		
Herb Stratum (Plot size: 1-m diameter)	15=	= Total Cover		UPL species Column Totals:	x 5 =	(B)	
1. Poa spp.	90	Υ	FAC*	Prevalence Index = B/A =	()	(-)	
2. Ranunculus repens 3.	10	N	FAC	Hydrophytic Vegetation	Indicators:		
3. 4.				☐ 1 – Rapid Test for Hydro	phytic Vegetation	n	
5				☐ 2 – Dominance Test is >			
6				□ 3 – Prevalence Index is ≤□ 4 – Morphological Adapta		supporting	
8.				data in Remarks or o	n a separate sh	eet)	
9.				5 – Wetland Non-VasculaProblematic Hydrophytic		nlain)	
10 11				¹ Indicators of hydric soil and v			
		= Total Cover	-	present, unless disturbed or p	roblematic.		
Woody Vine Stratum (Plot size: 3-m diameter) 1				Hydrophytic			
2.		-		Vegetation Ye	s 🗌 No		
% Bare Ground in Herb Stratum: 0	=	= Total Cover		Present?			
Remarks:							

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features													
(inches)	Color (moist)	% C		Color (moist)		% Typ	e ¹ Loc	Texture			Remarks		
0-16	10YR 4/3	100		-		-	-		Sandy loam			=	
¹Type: C=C	oncentration, D=	Depletio	n, RM=R	educe	d Matrix, CS	=Covered or Coat	ed Sand Grains.	² Loc:	PL=Pore Linin	g, M=M	atrix.		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Loc: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils											c Soils ³ :		
☐ Histoso	` .			•	Sandy Redo	•	□ 2cm Muck (A10)						
	Epipedon (A2)				Stripped Ma	` '		□ Red Parent Material (TF2)					
	Histic (A3)					ky Mineral (F1) (ex	cept MLRA 1)		ery Shallow D			F12)	
, ,	gen Sulfide (A4)		\ 4.4.\			ed Matrix (F2)			Other (Explain i	n Rema	rks)		
	ed Below Dark S Dark Surface (A1	•	A11)		Depleted Ma	Surface (F6)		3 India	ators of hydrop	hytic ve	actati	on and	
	Mucky Mineral (ark Surface (F7)			etland hydrolog				
,	Gleyed Matrix (S	,			Redox Depre				sturbed or prob			,	
Restrictive	Layer (if preser	nt):											
Type:							Hydric soil	l	Yes		No	\boxtimes	
	(inches):						present?					_	
Dopui ((
Remarks:													
HYDROLO													
	drology Indicat icators (minimum		equired:	check	all that apply	y)		Seco	ndary Indicato	rs (2 or	more ı	required)	
	e water (A1)			П			ept MLRA 1, 2, 4A	· 🗆	Water-Staine	d Leave	es (B9)) (MLRA 1,	
Ü	/ater Table (A2)			_	& 4B) (B9)	•			2, 4A & 4B)		40\		
☐ Saturation (A3)								Drainage Pat		20)			
	Water Marks (B1) ☐ Aquatic Invertebrates (E Sediment Deposits (B2) ☐ Hydrogen Sulfide Odor								Dry-Season Vis				
	eposits (B3)	,			, ,	` ,	Living Roots (C3)		Geomorphic			imagery (00)	
	Drift Deposits (B3) ☐ Oxidized Rhizospheres along Living Ro Algal Mat or Crust (B4) ☐ Presence of Reduced Iron (C4)								Shallow Aqui		` '		
☐ Iron De	eposits (B5)				Recent Iro	on Reduction in Till	ed Soils (C6)		FAC-Neutral	Test (D	5)		
	e Soil Cracks (B6					r Stressed Plants (D1) (LRR A)		Raised Ant M		. , .	_RR A)	
	tion Visible on A				Other (exp	olain in remarks)			Frost-Heave	Hummo	cks		
	ely Vegetated Co	ncave S	urface (E	8)		1							
Field Obse		Voc. [. No		Danth (in)								
Water Table	ter Present?	Yes Yes		\boxtimes	Depth (in): Depth (in):		Wetland Hyd Present		Y	es 🗆	N	lo 🛛	
Saturation F		Yes [Depth (in):		Presem	l ?				_	
	apillary fringe)	100	. 110		Deput (III).								
Describe Re	ecorded Data (st	ream gai	ıge, mor	itoring	well, aerial p	photos, previous ir	spections), if avail	able:					
D													
Remarks:	Notifians.												