

## Operations and Maintenance Facility South

# **ATTACHMENT G3-4**

**Wetland Data Determination Forms** 





**Table G3.4-1 Wetland Determination Sample Points** 

	Wetland	USFWS				
	Determination	Wetland				
Sample Point	(wetland/upland)	Classification	Vegetation	Soils	Hydrology	Report Notes
SP WFW 1-1	Wetland	PFO	Dominance Test	A12	Secondary: D2, D5	
SP WFW 1-2	Wetland	PFO	Dominance Test	A12	Secondary: D2, D5	
SP WFW 1-3	Upland	n/a	none	none	none	
SP WFW 1-4	Wetland	PEM	Dominance Test	other	Secondary: D2, D5	Hydric Soils rationale: Sample plot nearly meets indicator for F6, Redox Dark Surface. Dark surface layers may have redox that is difficult to see. Given presence of hydrophytic vegetation and geomorphic position below OHWM of East Fork Hylebos Creek, soil is likely seasonally flooded for 14 or more consecutive days during the growing season, and therefore hydric soils presumed to exist.
SP WFW 1-5	Upland	n/a	none	none	none	
SP WFW 1-6	Wetland	PFO	Dominance Test	F6	Primary: B1 Secondary: B9, D2	
SP WFW 1-7	Upland	n/a	none	none	none	
SP WFW 1-8	Wetland	PFO	Dominance Test	Other	Primary: B1 Secondary: D5	Hydric Soils rationale: Sample plot nearly meets redox dark surface. Given presence of water marks in the area and presence of hydrophytic vegetation, it is assumed that the area is inundated for 14 or more consecutive days during growing season and therefore hyric soil is present.
SP WFW 2-1	Wetland	PFO	Rapid Test for Hydrophytic Vegetation	A1	Primary: A1, A2, A3, B1 Secondary: D5	
SP WFW 2-2	Upland	n/a	Dominance Test	none	none	
SP WFW 2-3	Wetland	PFO	Dominance Test	A4, A12	Primary: A2, A3, C1	
SP WFW 2-4	Upland	n/a	none	none	none	
SP WFW 3-1	Wetland	PSS	Dominance Test	F6	Primary: A2, A3	
SP WFW 3-2	Upland	n/a	Dominance Test	none	none	
SP WFW 4-1	Wetland	PSS	Dominance Test	F6	Primary: A2, A3 Secondary: D5	
SP WFW 4-2	Upland	n/a	Dominance Test	none	none	
SP WFW 5-1	Wetland	PFO	Dominance Test	A12	Primary: A1, A2, A3	
SP WFW 5-2	Upland	n/a	none	none	none	
SP WFW 6-1	Wetland	PSS	Dominance Test	F6	Primary: A1, A2, A3	
SP WFW 6-2 WFW-07-SP1	Upland Wetland	n/a PEM	none  Dominance Test	none Other	none Primary: A2, A3 Secondary: D2, D5	Hydric Soil Rationale: Soils appear to be a fluvial entisol with an aquic moisture regime. Hydric soils supported by hydrophytic vegetation and strong hydrology indicators.
WFW-07-SP2	Upland	n/a	Dominance Test	none	none	
WFW-07-SP3	Wetland	PSS	Dominance Test	A11, F3	Primary: A3, B2, B3 Secondary: D2, D5	
WFW-07-SP4	Upland	n/a	none	none	none	

Table G3.4-1 Wetland Determination Sample Points (continued)

	Wetland	USFWS	ible Co.4-1 Wetland Determin		o i cimo (commuca)	
	Determination	Wetland				
Sample Point	(wetland/upland)	Classification	Vegetation	Soils	Hydrology	Report Notes
WFW-08-SP1	Wetland	PSS	Dominance Test	Other	Primary: A1, A2, A3, B1 Secondary: D2, D5	Hydric Soil Rationale: Stream has been heavily modified, evidenced by quarry spalls at 4.5 inches below ground surface, and appears to be used as a constructed stormwater facility. Soil appears to be a fluvial entisol with aquic moisture regime. Supported by strong hydrophytic vegetation, geomorphic position on stream bench, significant organics in soils, and strong wetland hydrology indicators
WFW-08-SP2	Upland	n/a	none	none	none	
WFW-08-SP3	Wetland	PEM	Dominance Test	Other	Primary: A2, A3, B1 Secondary: D2, D5	Hydric Soil Rationale: Stream has been heavily modified, evidenced by quarry spalls at 7 inches below ground surface, and appears to be used as a constructed stormwater facility. Soil appears to be a fluvial entisol with aquic moisture regime. Supported by strong hydrophytic vegetation, geomorphic position on stream bench, and strong wetland hydrology indicators.
WFW-09-SP1	Wetland	PSS	Dominance Test	A11 and F3	Primary: A2, A3, C3	
WFW-09-SP2	Upland	n/a	Dominance Test	none	Secondary: D2, D5 Secondary: D5	
WFW-10-SP01	Wetland	PFO	Dominance Test	Other	Primary: A2, A3 Secondary: D2, D5	Hydric Soil Rationale: Soils appear to be a fluvial entisol with an aquic moisture regime. Hydric soils supported by hydrophytic vegetation and strong hydrology indicators.
WFW-10-SP10	Upland	n/a	None	none	none	
WFW-10-SP11	Upland	n/a	none	none	none	
WFW-10-SP12	Wetland	PFO	Dominance Test	Other	Primary: A2, A3 Secondary: D2, D5	Hydric Soil Rationale: Soils appear to be a fluvial entisol with an aquic moisture regime. Hydric soils supported by strong hydrophytic vegetation and strong hydrology indicators.
WFW-10-SP13	Wetland	PFO	Dominance Test	F6	A2, A3	
WFW-10-SP02	Upland	n/a	Dominance Test	none	none	
WFW-10-SP03	Wetland	PFO	Dominance Test	A4, A11	Primary: A2, A3 Secondary: D2	
WFW-10-SP04	Upland	n/a	none	none	none	
WFW-10-SP05	Wetland	PFO	Dominance Test	F6	Primary: A3 Secondary: D2	
WFW-10-SP06	Upland	n/a	Dominance Test	none	none	

Table G3.4-1 Wetland Determination Sample Points (continued)

	Wetland Determination	USFWS Wetland				5
Sample Point	(wetland/upland)	Classification	Vegetation	Soils	Hydrology	Report Notes
WFW-10-SP07	Wetland	PFO	Dominance Test	F6	Primary: A2, A3 Secondary: D5	
WFW-10-SP08	Upland	n/a	Dominance Test	none	Secondary: D5	
WFW-10-SP09	Wetland	PFO	Dominance Test	A11	Primary: A3	
WFW-11-SP1	Wetland	PFO	Dominance Test	A11, F3	Primary: A2, A3 Secondary: D2, D5	
WFW-11-SP2	Upland	n/a	none	none	none	
WFW-11-SP3	Wetland	PEM	Dominance Test	F6	Primary: A2, A3 Secondary: D5	
WFW-11-SP4	Upland	n/a	Dominance Test	none	none	
WFW-12-SP1	Wetland	PEM	Dominance Test	other	Primary: A2, A3, B1 Secondary: D2, D5	Hydric Soil Rationale: Sample point is approximately 2m from wetted stream and is within the floodplain. The stream has been highly modified. Soils are a fluvial entisol with aquic moisture regime. Soils have high organic content that may also mask redox. Supported by strong hydrophytic vegetation and wetland hydrology
WFW-12-SP2	Upland	n/a	Dominance Test	none	none	
WFW-13-SP1	Wetland	PSS	Dominance Test	A11, F3	Primary: A3, B8 Secondary: D2	
WFW-13-SP2	Upland	n/a	none	none	none	
WFW-14-SP1	Wetland	PEM	Dominance Test	F3	Primary: C3 Secondary: D2	
WFW-14-SP2	Upland	n/a	Dominance Test	none	none	
WFW-14-SP3	Upland	n/a	Dominance Test	none	none	
WFW-15-SP1	Wetland	PFO	Dominance Test	A11	A3	
WFW-15-SP2	Upland	n/a	none	none	none	
WFW-15-SP3	Wetland	PFO	Dominance Test	F6	Primary: A2, A3 Secondary: D2, D5	
WFW-15-SP4	Upland	n/a	none	none	none	
WFW-15-SP5	Wetland	PFO	Dominance Test	F6	Primary: A2, A3 Secondary: D2	
WFW-16-SP1	Wetland	PEM	Dominance Test	A11, F3	Primary: A3 Secondary: B10, D5	
WFW-16-SP2	Upland	n/a	none	A11, F3	none	
WFW-16-SP3	Wetland	PSS	Dominance Test	A11, F3	Primary: A2, A3 Secondary: D5	
WFW-16-SP4	Upland	n/a	Dominance Test	A11, F3	none	
SP WFW 17-1	Wetland	PFO	Dominance Test	A11	Primary: A2, A3	
SP WFW 17-2	Upland	n/a	Dominance Test	none	Primary: A2, A3	
SP WFW 18-1	Wetland	PFO	Dominance Test	F3	Primary: A1, A2, A3 Secondary: D5	
SP WFW 18-2	Upland	n/a	Dominance Test	none	Primary: A2, A3	

**Table G3.4-1 Wetland Determination Sample Points (continued)** 

Occupio Boint	Wetland Determination	USFWS Wetland	Maritalla	0.11		Downst Nation
Sample Point	(wetland/upland)	Classification	Vegetation	Soils	Hydrology	Report Notes
WFW-21-SP1	Wetland	PSS	Dominance Test	F6	Primary: A2, A3, B1, B2, B3 Secondary: D2, D5	
WFW-21-SP2	Upland	n/a	none	A11, F3	none	
WFW-22-SP1	Wetland	PSS	Dominance Test	A11, F3	Primary: A1, A2, A3, B4 Secondary: D2, D5	
WFW-22-SP2	Upland	n/a	Dominance Test	F3	none	
WFW-32-SP1	Wetland	PSS	Dominance Test	F3, A11	Primary: A2, A3 Secondary: D2	
WFW-32-SP2	Upland	n/a	Dominance Test	F3, A11	none	
SP FW V1	Upland	n/a	Dominance Test	none	none	
SP FW V2	Upland	n/a	none	none	none	
SP FW V3	Upland	n/a	none	none	none	
SP FW V4	Upland	n/a	none	none	none	
SP FW V5	Upland	n/a	none	none	Primary: A1, A2, A3	
SP FW V6	Upland	n/a	Dominance Test	none	Primary: A2, A3	
SP FW V7	Upland	n/a	Dominance Test	none	Primary: A2, A3	
SP FW V8	Upland	n/a	Dominance Test	n/a	none	

#### Notes:

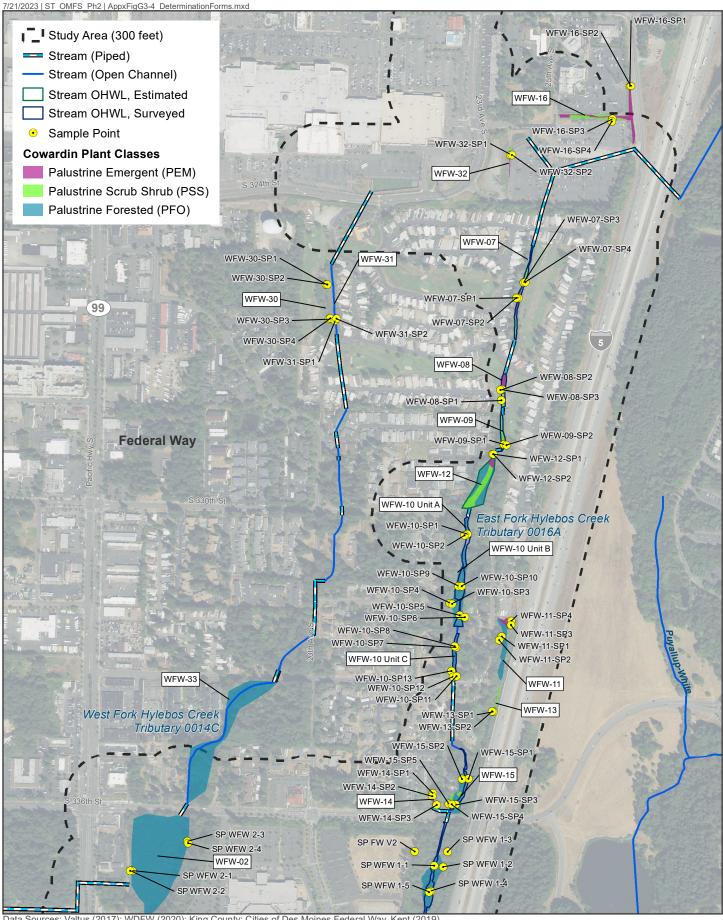
<sup>1</sup> Wetland determinations based on the U.S. Army Corps of Engineers Wetland Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region Version 2.0 (Corps 2010).

<sup>2</sup> PEM = palustrine emergent; PFO = palustrine forested; PSS= palustrine scrub-shrub (Cowardin et al. 1979, FGDC 2013).



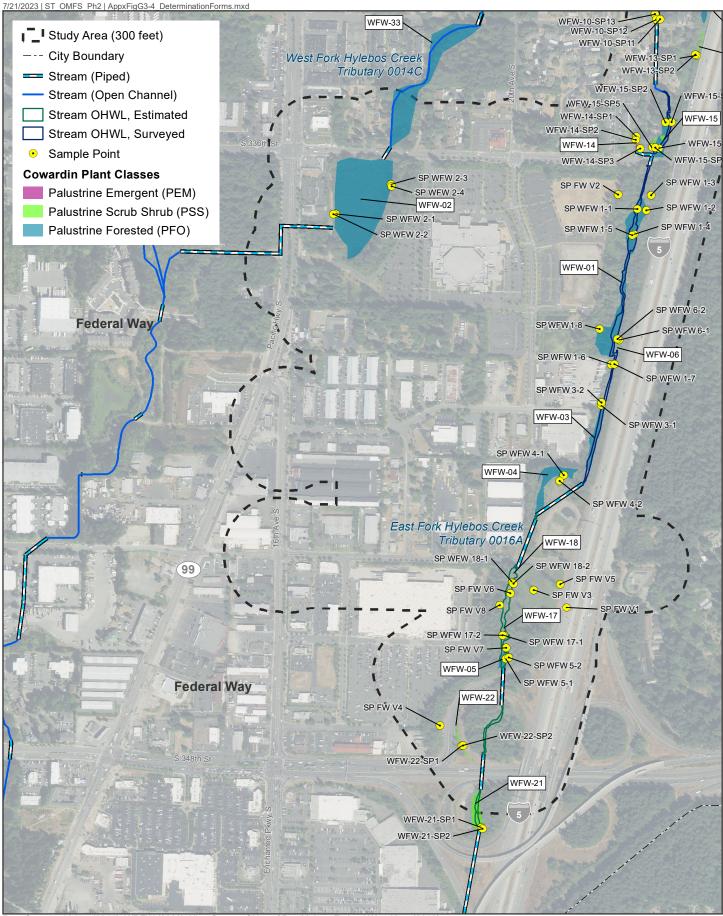
Data Sources: Valtus (2017); WDFW (2020); King County; Cities of Des Moines, Federal Way, Kent (2019).

FIGURE G3-4.1
Wetland Determination Sample Points
Midway Landfill Alternative



Data Sources: Valtus (2017); WDFW (2020); King County; Cities of Des Moines, Federal Way, Kent (2019).

FIGURE G3-4.2
Wetland Determination Sample Points
Mainline Track Options



Data Sources: Valtus (2017); WDFW (2020); King County; Cities of Des Moines, Federal Way, Kent (2019).

FIGURE G3-4.3
Wetland Determination Sample Points
South 336th Street and South 344th Street Alternatives

Project/Site: Sound Transit OMFS		_City/County:	Federal Way, King	Sampling Date	e: 10/9/2019	9	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Poir	nt: SP FW V	1	
Investigators: DANIELSKI			Section, Township,	Range: T21N R4E S2	<u></u>		
Landform (hillslope, terrace, etc.): Depression		Local Reli	ef (concave, convex,	none): Concave	Slo	ppe(%): 0	
Subregion (LRR): A	Lat: 47.29261	0 Long:	-122.305954	Datum: V	NGS84		
Soil Map Unit Name: Alderwood gravelly sandy lo	oam		NWI Classific	cation: UPL			
Are climatic / hydrologic conditions on the site typi	cal for this time of y	ear? Yes	No X	(If No, explain in Re	marks)		
Are Vegetation: Soil or Hydrology	significantly dis	sturbed?	Are "Normal Circun	- nstances" present?	Yes	X N	0
Are Vegetation: Soil or Hydrology	 naturally proble	ematic?	(If needed, explain	any answers in Rema	rks.)		
SUMMARY OF FINDINGS - Attach a si	 ite map showir	g sampling	point locations	, transects, impo	rtant feat	ures, etc.	
	X No	1	•	•			
Hydric Soil Present? Yes		Is the	Sampled Area				
Wetland Hydrology Present? Yes	No X		a Wetland?	Yes		No X	
Remarks:							
Verification plot in salmonberry dominated swale. than normal; however, site visit occurred at end of						months were	wetter
than normal, nowever, site visit occurred at end of	the dry season so t	ary season cond	itions were still cons	dered when evaluating	g riyarology.		
V=0=TATION II							
VEGETATION – Use scientific names	of plants.			_			
	Absolute	Dominant	Indicator	Dominance Test W	Vorksheet:		
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Dominan	t Species		
1				That Are OBL, FAC	W, or FAC:	2	_ (A)
2				Total Number of Dor	minant		
3				Species Across All S	Strata:	2	<b>_</b> (B)
4				Percent of Dominan	t Species		
		= Total Cover		That Are OBL, FAC	W, or FAC:	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index v	vorksheet:		
1. Rubus spectabilis	70	Yes	FAC	Total % Cover of:	Mu	<u>ıltiply by:</u>	
2. Oemleria cerasiformis	5	No	FACU	OBL species	x1:	=	
3. Rubus ursinus	5	No	FACU	FACW species	x2	= 0	
4.	<u> </u>			FAC species	85 x3	= 255	
5.				FACU species	10 x4	= 40	
	80	= Total Cover		UPL species	x5	= 0	
Herb Stratum (Plot size: 1m)				Column Totals:	95 (A)	295	(B)
1. Tolmiea menziesii	15	Yes	FAC	_			
2.				Prevalence Inde	ex = B/A =	3.1	1
3.				Hydrophytic Veget	ation Indica	tors:	
4.				1 - Rapid Tes	t for Hydroph	ytic Vegetation	on
5.				X 2 - Dominance	e Test is >50	1%	
6.				3 - Prevalence	e Index is ≤3	.0¹	
7.					ical Adaptati	ons¹ (Provide	)
				4 - Morpholog			sheet)
8.					emarks or on	ı a separate s	
8. 9.					emarks or on		
				data in Re	emarks or on on-Vascular	Plants <sup>1</sup>	xplain)
9.				data in Re 5 - Wetland N Problematic H	emarks or on on-Vascular lydrophytic V	Plants¹ 'egetation¹ (E	
9.		= Total Cover		data in Re	emarks or on on-Vascular lydrophytic V soil and wetl	Plants¹ 'egetation¹ (E and hydrolog	у
9.	15	= Total Cover		data in Re 5 - Wetland N Problematic H Indicators of hydric	emarks or on on-Vascular lydrophytic V soil and wetl	Plants¹ 'egetation¹ (E and hydrolog	у
9. 10. 11.	15	= Total Cover		data in Re 5 - Wetland N Problematic H Indicators of hydric must be present, un	emarks or on on-Vascular lydrophytic V soil and wetl	Plants¹ 'egetation¹ (E and hydrolog	у
9. 10. 11. Woody Vine Stratum (Plot size:) 1.	15	= Total Cover		data in Re 5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic	emarks or on ion-Vascular lydrophytic V soil and wetl less disturbe	Plants <sup>1</sup> 'egetation <sup>1</sup> (Eland hydrolog d or problema	у
9. 10. 11. Woody Vine Stratum (Plot size: )	15			data in Re 5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic Vegetation	emarks or on ion-Vascular lydrophytic V soil and wetl less disturbe	Plants¹ 'egetation¹ (E and hydrolog	у
9. 10. 11. Woody Vine Stratum (Plot size:) 1.		= Total Cover = Total Cover er of Biotic Crust		data in Re 5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic	emarks or on ion-Vascular lydrophytic V soil and wetl less disturbe	Plants <sup>1</sup> 'egetation <sup>1</sup> (Eland hydrolog d or problema	у

Profile Desc	ription: (Describe	to the depth ne	eded to	document the	indicator o	or confirm	the abse	ence of indicators.)				
Depth	Ma				ox Feature							
(inches)	Color (moist)	%	Co	olor (moist)	%	Type¹	Loc²	Texture		Remark	(S	
0-14	10YR 3/3	100						Sandy Loam				
								. <u> </u>				
								. <u> </u>				
¹Type: C= Co	oncentration, D= D	epletion, RM=Re	duced Ma	atrix, CS=Cove	red or Coat	ted Sand G	rains.	²Loca	tion: PL=	=Pore Lining,	M=Matr	ix.
Hydric Soil I	ndicators: (Appli	cable to all LRR	s, unless	s otherwise no	ted.)			Indicators for Prob	lematic !	Hydric Soils	3.	
Histos	sol (A1)		s	andy Redox (S	5)			2 cm Muck (	410)			
— Histic	Epipedon (A2)		s	tripped Matrix (	S6)			Red Parent N	√aterial (	TF2)		
	Histic (A3)			oamy Mucky Mi		(except ML	RLA 1)	Very Shallow				
	gen Sulfide (A4)			oamy Gleyed M				Other (Expla	in in Rem	narks)		
	ted Below Dark Su			epleted Matrix								
	Dark Surface (A12		_	ledox Dark Surf				<sup>3</sup> Indicators of hydr		-	d	
	/ Mucky Mineral (S	•		epleted Dark S		)		wetland hydrolog		-		
	√ Gleyed Matrix (S₄	•	R	edox Depression	ons (F8)			unless disturbed	or proble	ematic.		
	Layer (if present	):										
Type:			_									
Depth	(inches):		_					Hydric Soil Prese	ent?	Yes	No	X
Sample plot is	acks indicators of h	nyaric soil.										
HYDROLO	OGY											
	ydrology Indicato											
l	licators (minimum	of one required; of		11 77				Secondary Indicat				
	ce Water (A1)		w	later-Stained Le	` ′	(except		Water Staine		s (B9) ( <b>MRL</b> A	1, 2,	
	Water Tables (A2)			MRLA 1, 2, 4				4A, and 4				
	ation (A3)			alt Crust (B11)				Drainage Pa	,	•		
	Marks (B1)			quatic Inverteb	, ,			Dry-Season Saturation Vi		. ,	m. (CO)	
	nent Deposits (B2) Deposits (B3)			lydrogen Sulfide xidized Rhizosi			note (C2)			•	(C9)	
	Mat or Crust (B4)			resence of Red		-	JUIS (US)	Shallow Aqu				
	eposits (B5)			ecent Iron Red	`	'	<u> </u>	FAC-Neutral				
	ce Soil Cracks (B6)	1		tunted or Stress		•		Raised Ant N				
	ation Visible on Ae			ther (Explain in		(B1) ( <b>LIII</b>	Α,	Frost-Heave				
	ley Vegetated Con			(2xp.a						5.10 (57)		
Field Obse			,									
	ater Present? Ye	es No	X D	epth (inches):								
Water Table		es No		epth (inches):								
Saturation I		es No		epth (inches):			Wetlan	d Hydrology Preser	nt?	Yes	No	Х
(includes ca	apillary fringe)			, ,				,			_	
	corded Date (stream	m gauge monitor	ing well	aerial nhotos, n	revious ins	nections) i	<u>I</u> f availabl	le·				
Doddingo rec	orded Bate (Streat	n gaaga, mama	ing won,	aonai priotos, p		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ravanasi					
Remarks:												
No primary or	r secondary wetlan	d hydrology indic	ators obs	served.								

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ite: 10/10/2	2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Po	int: SP FW	/ V2		
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S	21			
Landform (hillslope, terrace, etc.): Depression		Local Reli	ef (concave, convex,	none): Concave		Slope( <sup>c</sup>	%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2999	88 Long:	-122.304810	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy	laom	_	NWI Classific	cation: UPL				
Are climatic / hydrologic conditions on the site typ	pical for this time of y	vear? Yes	No X	(If No, explain in Re	emarks)			
Are Vegetation: SoilX or Hydrology	significantly di	sturbed?	Are "Normal Circun	nstances" present?	Yes_	Х	N	٥
Are Vegetation: Soil or Hydrology	naturally probl		•	any answers in Rema	•			
SUMMARY OF FINDINGS - Attach a s	site map showi	ng sampling	point locations	, transects, imp	ortant fe	ature	s, etc.	
Hydrophytic Vegetation Present? Yes _	No X							
Hydric Soil Present? Yes _	No X	Is the	Sampled Area					
Wetland Hydrology Present? Yes _	No X	withir	a Wetland?	Yes			No X	
Remarks:								
Verification plot located in ditch south of S. 336th wetter than normal; however, site visit occurred a	t end of the dry sea							is were
VEGETATION – Use scientific names		Danalaant	La dia akan	D T	\ <b>0</b> /ll			
Troc Chatura (Diatoine, Era)	Absolute	Dominant	Indicator	Dominance Test		:		
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•		4	<b>(A)</b>
1. 2.				That Are OBL, FAC		. —	ı	— <sup>(A)</sup>
3.	<del>-</del>			Species Across All			2	(B)
4.	_			Percent of Domina				<b>—</b> (D)
<del></del>	_	= Total Cover		That Are OBL, FAC	•		50	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= Total Gover		Prevalence Index			- 50	(٨/١٥)
Rubus armeniacus	4	Yes	FAC	Total % Cover of:		 Multiply	, bv.	
2.	- <u>- · · · · · · · · · · · · · · · · · ·</u>			OBL species		х1=	<del></del>	
3.	<del>-</del>		-	FACW species		x2= —	10	_
4.	_			FAC species		×3= —	63	_
5.				FACU species	18	×4= —	72	_
	4	= Total Cover		UPL species	4	x5= —	20	_
Herb Stratum (Plot size: 1m)				Column Totals:	48	(A) —	165	— (B)
Hypochaeris radicata	15	Yes	FACU	1				_
2. Agrostis capillaris	7	No	FAC	Prevalence Ind	lex = B/A =		3.4	4
3. Conium maculatum	5	No	FAC	Hydrophytic Vege	tation Indi	cators	:	
4. Phalaris arundinacea	5	NI-		1 - Banid Te	st for Hydro	phytic	Vegetati	on
C		No	FACW	i itapia io	o			
5. Carduus nutans	4	No	FACW UPL	2 - Dominano	-	50%		
				·	ce Test is >			
6. Claytonia sibirica	4	No	UPL	2 - Dominano	ce Test is >	≤3.0¹	(Provide	)
<ul><li>6. Claytonia sibirica</li><li>7. Galium aparine</li></ul>	3	No No	UPL FAC	2 - Dominano 3 - Prevaleno 4 - Morpholo	ce Test is >	≤3.0¹ :ations¹	,	
<ul><li>6. Claytonia sibirica</li><li>7. Galium aparine</li><li>8. Ranunculus repens</li></ul>	4 3 3	No No No	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul	≤3.0¹ ations¹ on a se lar Plan	eparate s	heet)
<ul><li>6. Claytonia sibirica</li><li>7. Galium aparine</li><li>8. Ranunculus repens</li><li>9.</li></ul>	4 3 3	No No No	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic	≤3.0¹ cations¹ on a selar Plan c Veget	eparate s its <sup>1</sup> tation <sup>1</sup> (E	heet) (xplain)
6. Claytonia sibirica 7. Galium aparine 8. Ranunculus repens 9.	3 3 2	No No No	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic  Indicators of hydrid	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic c soil and w	≤3.0¹ cations¹ on a selar Plan c Veget	eparate s its¹ tation¹ (E hydrolog	heet) xplain) y
6. Claytonia sibirica 7. Galium aparine 8. Ranunculus repens 9. 10.	4 3 3	No No No	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic c soil and w	≤3.0¹ cations¹ on a selar Plan c Veget	eparate s its¹ tation¹ (E hydrolog	heet) xplain) y
6. Claytonia sibirica 7. Galium aparine 8. Ranunculus repens 9. 10. 11. Woody Vine Stratum (Plot size: )	3 3 2	No No No	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic Indicators of hydrid must be present, un	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic c soil and w	≤3.0¹ cations¹ on a selar Plan c Veget	eparate s its¹ tation¹ (E hydrolog	heet) xplain) y
6. Claytonia sibirica 7. Galium aparine 8. Ranunculus repens 9. 10. 11. Woody Vine Stratum (Plot size:) 1.	3 3 2	No No No	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic  Indicators of hydric must be present, un	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic c soil and w nless distur	≤3.0¹ cations¹ on a se lar Plan c Veget vetland bed or	eparate s ats¹ tation¹ (E hydrolog problema	heet) (xplain) y atic.
6. Claytonia sibirica 7. Galium aparine 8. Ranunculus repens 9. 10. 11. Woody Vine Stratum (Plot size:) 1.	3 3 2	No No No Total Cover	UPL FAC FACU	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic Indicators of hydric must be present, un	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic c soil and w	≤3.0¹ cations¹ on a selar Plan c Veget	eparate s ats¹ tation¹ (E hydrolog problema	heet) (xplain) y atic.
<ul><li>6. Claytonia sibirica</li><li>7. Galium aparine</li></ul>	4 3 3 2 2	No No No	FAC FACU FAC	2 - Dominand 3 - Prevalend 4 - Morpholo data in F 5 - Wetland I Problematic  Indicators of hydric must be present, un	ce Test is > ce Index is : gical Adapt Remarks or Non-Vascul Hydrophytic c soil and w nless distur	≤3.0¹ cations¹ on a se lar Plan c Veget vetland bed or	eparate s ats¹ tation¹ (E hydrolog problema	heet) (xplain) y atic.

Profile Descr	iption: (Descr	ibe to the	depth ne	eded	to document the i	ndicator o	or confirm	the abse	ence of indicators.)		-			
Depth		Matrix			Redo	ox Feature	s							
(inches)	Color (moi	st)	%		Color (moist)	%	Type <sup>1</sup>	Loc²	Texture		Re	emarks		
0-16	10YR 3/2		100						Silt Loam					
16-18										Drain ı	ock			
¹Type: C= Co	ncentration, D	= Depletior	n, RM=Re	duced	Matrix, CS=Cover	ed or Coat	ted Sand G	rains.	²Loca	tion: P	L=Pore L	ining, M	=Matri:	х.
Hydric Soil In	ndicators: (Ap	plicable t	o all LRR	s, unl	ess otherwise not	ted.)			Indicators for Prob	lemati	c Hydric	Soils³:		
Histos	ol (A1)				Sandy Redox (S5	5)			2 cm Muck (/	410)				
Histic	Epipedon (A2)				Stripped Matrix (	S6)			Red Parent N	<i>M</i> ateria	l (TF2)			
Black	Histic (A3)				Loamy Mucky Mi	neral (F1)	(except ML	RLA 1)	Very Shallow		· ·	ΓF12)		
Hydro	gen Sulfide (A4	)			Loamy Gleyed M	atrix (F2)			Other (Expla	in in Re	emarks)			
	ed Below Dark	•	411)		Depleted Matrix (									
	Dark Surface (A				Redox Dark Surfa				<sup>3</sup> Indicators of hydr		•			
l ——	Mucky Mineral				_ Depleted Dark Su -				wetland hydrolog			ent,		
	Gleyed Matrix	· ·			Redox Depressio	ns (F8)			unless disturbed	or pro	blematic.			
Restrictive	Layer (if pres	ent):												
Type:				_										
Depth	(inches):			_					Hydric Soil Prese	ent?	Yes _		No _	X
HYDROLC		otovo.												
1	rdrology Indica icators (minimu			باممط	-11 46 -4 ()				Casandan Indiaa	· (0		(المحادث معار		
l ——	e Water (A1)	iii oi one i	equired, c	HECK	Water-Stained Le	20100 (PO)	/oveent		Secondary Indicat Water Staine					
	e water (A1) Vater Tables (A	2)			MRLA 1, 2, 4A	. ,	(except		4A, and 4		es (D9) (I	VINLA I	, ∠,	
	tion (A3)	· _ /			Salt Crust (B11)	i, and 4D)			Drainage Pa	,	B10)			
	Marks (B1)				- Aquatic Invertebr	ates (B13)			Dry-Season			)		
	ent Deposits (E	32)			- Hydrogen Sulfide				Saturation Vi		•	•	(C9)	
	eposits (B3)	_,			Oxidized Rhizosp			oots (C3)					( )	
l ——	Mat or Crust (B	4)			Presence of Red		-	( , ,	Shallow Aqui		` '			
	eposits (B5)	,			- Recent Iron Redu			26)	FAC-Neutral					
Surfac	e Soil Cracks (	B6)			- Stunted or Stress	ed Plants	(D1) ( <b>LRR</b> .	<b>A</b> )	Raised Ant N	lounds	(D6) ( <b>LR</b>	RA)		
Inunda	ation Visible on	Aeriel Ima	gery (B		Other (Explain in	Remarks)			Frost-Heave	Humm	ocks (D7)			
Sparsl	ey Vegetated C	Concave S	urface (B8	5)	_									
Field Obse	rvations:													
Surface Wa	ter Present?	Yes	No	Χ	Depth (inches):									
Water Table	e Present?	Yes	No	Χ	Depth (inches):									
Saturation F	Present?	Yes _	No _	Х	Depth (inches):			Wetland	d Hydrology Preser	ıt?	Yes _		No _	Х
(includes ca	pillary fringe)													
Describe Rec	orded Date (str	eam gaug	e, monitor	ing we	ell, aerial photos, p	revious ins	pections), i	f availabl	e:					
Remarks:														
No primary or	secondary wet	land hydro	ology indic	ators	observed.									

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Dat	e: 10/22/201	9	
Applicant/Owner: Sound Transit			State: WA	Sampling Poir	nt: SP FW V	3	
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S2	21		
Landform (hillslope, terrace, etc.): Flat		Local Reli	ef (concave, convex,	none): None	Slo	pe(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2929	915 Long:	-122.306824	Datum: \	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy I	oam		NWI Classific	cation: UPL			
Are climatic / hydrologic conditions on the site type	ical for this time of	year? Yes	. No X	_ (If No, explain in Re	marks)		
Are Vegetation: Soil or Hydrology	significantly d		Are "Normal Circun	nstances" present?	Yes	X N	°
Are Vegetation: Soil or Hydrology	naturally prob		•	any answers in Rema	•		
SUMMARY OF FINDINGS - Attach a s	ite map show	ng sampling	point locations	, transects, impo	ortant feat	ures, etc.	
Hydrophytic Vegetation Present? Yes _	No <u>X</u>						
Hydric Soil Present? Yes _	No X	Is the	Sampled Area				
Wetland Hydrology Present? Yes	No X	withii	n a Wetland?	Yes _		No X	
Remarks:		•					
Conditions wetter than normal for time of year. Sa	mple plot has 0 of	3 indicators, is no	ot located in a wetlan	d.			
VEGETATION – Use scientific names	of plants.						
	Absolute	Dominant	Indicator	Dominance Test V	Vorksheet:		
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Dominan	t Species		
Pseudotsuga menziesii	10	Yes	FACU	That Are OBL, FAC	W, or FAC:	1	_ (A)
2	<u> </u>			Total Number of Do	minant		
3			_	Species Across All S		2	_ <sup>(B)</sup>
4			_	Percent of Dominan	•		
	10	= Total Cover		That Are OBL, FAC	•	50	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index v			
1. Rubus armeniacus	. <u>85</u>	Yes	FAC	Total % Cover of:		ıltiply by:	
2. Prunus emarginata	5	No	_ FACU	OBL species	x1=		_
3.	<u> </u>			FACW species	x2=		_
4	. <u> </u>			FAC species	85 x3=		_
5				FACU species	15 x4=		_
Llorb Ctrotum (Diet eizer 1m)	90	= Total Cover		UPL species	x5= 100 (A)		<b>–</b> (B)
Herb Stratum (Plot size: 1m)  1.				Column Totals:	100 (A)	315	— <sup>(D)</sup>
2.	· —			Prevalence Inde	ον – R/Δ-	3.1	5
3.	<u> </u>			Hydrophytic Veget			
4.	· —	-		1 - Rapid Tes			nn
5.	<del></del>			2 - Dominance		-	
6.				<b></b>			
				3 - Prevalence	E IIIUEX 15 23.		<b>,</b>
7.						ons¹ (Provide	
7.				4 - Morpholog			heet)
				4 - Morpholog	gical Adaptation	a separate s	heet)
8.				4 - Morpholog	gical Adaptation emarks or on Ion-Vascular	a separate s Plants <sup>1</sup>	ŕ
9.				4 - Morpholog data in Re 5 - Wetland N	gical Adaptation gionemarks or on gion-Vascular Hydrophytic V	a separate s Plants¹ egetation¹ (E	xplain)
8. 9. 10.		= Total Cover		4 - Morpholog data in Re 5 - Wetland N Problematic H	gical Adaptation emarks or on lon-Vascular Hydrophytic V soil and wetl	a separate s Plants¹ egetation¹ (E and hydrolog	xplain) y
8. 9. 10.		= Total Cover		4 - Morpholog data in Re 5 - Wetland N Problematic H Indicators of hydric	gical Adaptation emarks or on lon-Vascular Hydrophytic V soil and wetl	a separate s Plants¹ egetation¹ (E and hydrolog	xplain) y
8. 9. 10.		= Total Cover		4 - Morpholog data in Re 5 - Wetland N Problematic H Indicators of hydric	gical Adaptation emarks or on lon-Vascular Hydrophytic V soil and wetl	a separate s Plants¹ egetation¹ (E and hydrolog	xplain) y
8. 9. 10. 11. Woody Vine Stratum (Plot size:)		= Total Cover		4 - Morpholog data in Re 5 - Wetland N Problematic F  Indicators of hydric must be present, un	gical Adaptation emarks or on lon-Vascular Hydrophytic V soil and wetl	a separate s Plants¹ egetation¹ (E and hydrolog	xplain) y atic.
8. 9. 10. 11. Woody Vine Stratum (Plot size:) 1.		= Total Cover		4 - Morpholog data in Re 5 - Wetland N Problematic F Indicators of hydric must be present, un Hydrophytic	gical Adaptation emarks or on lon-Vascular Hydrophytic V soil and weth less disturbed	a separate s Plants¹ egetation¹ (E and hydrolog d or problem	xplain) y atic.
8. 9. 10. 11. Woody Vine Stratum (Plot size:) 1.	% Co			4 - Morpholog data in Re 5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic Vegetation	gical Adaptation emarks or on lon-Vascular Hydrophytic V soil and weth less disturbed	a separate s Plants¹ egetation¹ (E and hydrolog d or problem	xplain) y atic.

Profile Descr	iption: (Describe	to the depth ne	eded to document the i	ndicator	or confirm	the abse	ence of indicators.)			
Depth	Ма	trix	Rede	ox Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture	Rem	arks	
0-8	10YR 3/3	100					Sandy Loam			
8-18	10YR 4/6	100					Sandy Loam			
							· <del></del>			
							<del></del>			
							<del></del>			
		_			·					
		_			·					
¹Type: C= Co	ncentration, D= D	epletion, RM=Re	duced Matrix, CS=Cover	ed or Coa	ted Sand G	rains.	²Location:	PL=Pore Linir	ıg, M=Matı	rix.
Hydric Soil In	dicators: (Appli	cable to all LRR	s, unless otherwise not	ted.)			Indicators for Problema	tic Hydric So	ils³:	
Histoso	ol (A1)		Sandy Redox (St	5)			2 cm Muck (A10)			
Histic E	Epipedon (A2)		Stripped Matrix (	S6)			Red Parent Mater	al (TF2)		
Black H	Histic (A3)		Loamy Mucky Mi	neral (F1)	(except ML	RLA 1)	Very Shallow Dark	Surface (TF1	2)	
Hydrog	gen Sulfide (A4)		Loamy Gleyed M	atrix (F2)			Other (Explain in F	Remarks)		
Deplete	ed Below Dark Sເ	ırface (A11)	Depleted Matrix (	F3)						
Thick [	Dark Surface (A12	?)	Redox Dark Surfa	ace (F6)			<sup>3</sup> Indicators of hydrophyt	ic vegetation a	and	
l ——	Mucky Mineral (S	•	Depleted Dark St	•	)		wetland hydrology mu	ist be present,		
Sandy	Gleyed Matrix (S	4)	Redox Depression	ns (F8)			unless disturbed or pr	oblematic.		
Restrictive	Layer (if present	):								
Type:										
Depth	(inches):		_				Hydric Soil Present?	Yes	No	X
HYDROLO	GY									
Wetland Hy	drology Indicato	rs:								
Primary Indi	cators (minimum	of one required; of	check all that apply)				Secondary Indicators (2	? or more requ	ired)	
Surface	e Water (A1)		Water-Stained Le	eaves (B9)	(except		Water Stained Lea	aves (B9) (MR	LA 1, 2,	•
High W	/ater Tables (A2)		MRLA 1, 2, 4A	, and 4B)	١		<b>4A</b> , and 4B)			
Satura	tion (A3)		Salt Crust (B11)				Drainage Patterns	(B10)		
Water	Marks (B1)		Aquatic Invertebr	ates (B13)	)		Dry-Season Water	Table (C2)		
Sedime	ent Deposits (B2)		Hydrogen Sulfide	Odor (C1	)		Saturation Visible	on Aeriel Imaç	gery (C9)	
Drift De	eposits (B3)		Oxidized Rhizosp	heres alo	ng Living Ro	oots (C3)	Geomorphic Posit	ion (D2)		
	fat or Crust (B4)		Presence of Red				Shallow Aquitard (			
	eposits (B5)		Recent Iron Redu		`	,	FAC-Neutral Test			
	e Soil Cracks (B6		Stunted or Stress			<b>A</b> )	Raised Ant Mound	. , .	<b>A</b> )	
	tion Visible on Ae	3 , (	Other (Explain in	Remarks)	)		Frost-Heave Humi	mocks (D7)		
	ey Vegetated Con	cave Surface (Bo	3)							
Field Obser			V D 11 (1 1 )							
Surface Wat			X Depth (inches):							
Water Table Saturation P		es	X Depth (inches): X Depth (inches):			Wotland	d Hydrology Present?	Vos	No	х
	pillary fringe)	=S NO .	Deptil (inches).			welland	a nyarology Present?	Yes		
			dan				1			
Describe Reco	orded Date (streat	n gauge, monitoi	ring well, aerial photos, p	revious ins	spections), r	avallabi	ie:			
Remarks:										
No primary or	secondary hydrol	ogy indicators ob	served.							

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	te: 10/22/	/2019		
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	int: SP FV	V V4		
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S	21			
Landform (hillslope, terrace, etc.): Hillslope		Local Reli	ef (concave, convex,	none): None		Slope(	%): 2	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2904	<u> </u>	-122.309219	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy lo	oam	_	NWI Classific	cation: UPL				
Are climatic / hydrologic conditions on the site typi	cal for this time of	year? Yes	No X	(If No, explain in Re	emarks)			
Are Vegetation: Soil or Hydrology	significantly d	isturbed?	Are "Normal Circun	nstances" present?	Yes	Х	N	0
Are Vegetation: Soil or Hydrology	naturally prob	lematic?	(If needed, explain	any answers in Rema	arks.)			
SUMMARY OF FINDINGS - Attach a si	ite map showi	ng sampling	point locations	, transects, imp	ortant fe	eature	es, etc.	
Hydrophytic Vegetation Present? Yes	No X							
Hydric Soil Present? Yes	No X	Is the	Sampled Area					
Wetland Hydrology Present? Yes	No X	withir	n a Wetland?	Yes			No X	
Remarks:				<u> </u>		•		
In stand of PSME on hill between off ramp and Wa a wetland.		wetter than norm	al for time of year. Sa	ample plot has 0 of 3	wetland ci	riteria, i	s not loca	ated in
VEGETATION – Use scientific names	of plants.							
	Absolute	Dominant	Indicator	Dominance Test \				
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•			
Pseudotsuga menziesii	80	Yes	FACU	That Are OBL, FAC	•	D: _	0	_ <sup>(A)</sup>
2				Total Number of Do				
3.				Species Across All		_	2	_ <sup>(B)</sup>
4				Percent of Dominar	•			
	80	= Total Cover		That Are OBL, FAC			0	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index	workshee			
Gaultheria shallon	60	Yes	FACU	Total % Cover of:		Multip	y by:	
Oemleria cerasiformis	10	No	FACU	OBL species		. ×1= _		_
3. Arbutus menziesii	5	No	UPL	FACW species		. ×2= _	0	_
4. Thuja plicata	3	No	FAC	FAC species	3	. ×3= _	9	_
5				FACU species	150	. ×4= _	600	_
(B)	78	= Total Cover		UPL species	5	· <sup>x5=</sup> –	25	<b>–</b> "
<u>Herb Stratum</u> (Plot size: 1m)				Column Totals:	158	· <sup>(A)</sup> _	634	— <sup>(B)</sup>
1					5/4		4.0	
2				Prevalence Ind			4.0	1
3.				Hydrophytic Vege				
4				1 - Rapid Tes 2 - Dominano			vegetatio	OH
5.				3 - Prevalence				
6. 7.				4 - Morpholo			1 / Provide	
8.					gicai Adap Remarks oi			
9.				5 - Wetland N				nieet)
10.				Problematic I				(volain
					riyuropriyt	ic vege		
					s coil and s	wotland	hydrolog	-
11.		- Total Cover		<sup>1</sup> Indicators of hydric				atic
11.		= Total Cover						atic.
11. Woody Vine Stratum (Plot size: )		= Total Cover		<sup>1</sup> Indicators of hydric must be present, ur				atic.
11. Woody Vine Stratum (Plot size: ) 1.		= Total Cover		¹Indicators of hydric must be present, ur Hydrophytic	nless distu	rbed or	problema	
				¹Indicators of hydric must be present, ur Hydrophytic Vegetation		rbed or		
11. Woody Vine Stratum (Plot size: ) 1.	9/ Co	= Total Cover  = Total Cover  = Total Cover  ver of Biotic Crus		¹Indicators of hydric must be present, ur Hydrophytic	nless distu	rbed or	problema	

Profile Desc Depth	Matri	-			ox Feature	es.						
(inches)	Color (moist)	%	Colo	r (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Rema	arks	
0-6	10YR 2/2	100						Silt Loam	Signific	cant duff and		
6-18	10YR 4/6	100						Silt Loam	Signine	Jani dun and	icai iillei	
0-10			· <del></del>					- Silt LOAIII	-			
			·						-			
	-											
								·				
								·				
Tunou C. Cu	anaphration D. Day	lation DM D	Mot	iv CC Cavar		tod Cond C		21 04	otion. D	I Dava Linir	~ M Mot	wis.
	oncentration, D= Depoint of the Depointment of the					teu Sanu G	iairis.	Indicators for Pro		L=Pore Linir	•	IIX.
-	sol (A1)			idy Redox (S5				2 cm Muck		o riyano oo		
	Epipedon (A2)			oped Matrix (S	•			Red Paren	` '	L/TE2\		
	Histic (A3)			my Mucky Mir	•	(except MI	DIA 1)			Surface (TF1	2)	
	gen Sulfide (A4)			my Gleyed Ma		(except ML	nLA I)	Other (Exp		·•	۷)	
	ted Below Dark Surf	aca (Δ11)		oleted Matrix (				— Other (Exp	allillille	iliaiks)		
	Dark Surface (A12)	ace (ATT)		lox Dark Surfa				<sup>3</sup> Indicators of hy	drophytic	vegetation :	and	
	/ Mucky Mineral (S1)			oleted Dark Su		١		wetland hydrol		-	a io	
	/ Gleyed Matrix (S4)			lox Depressio	` '	,		unless disturbe		-		
	Layer (if present):									olomatio.		
Type:												
Type.			_					Hardela Call Bua		V	No	
Donth	(inches):								200+2			~
Remarks: Sample plot l	acks hydric soil indic	ators.	_					Hydric Soil Pre	sent?	Yes	NO	X
Remarks: Sample plot li	acks hydric soil indic							Hydric Soll Pre	sent?	Yes	INU	X
Remarks: Sample plot le  HYDROLO  Wetland Hy  Primary Ind	acks hydric soil indic  OGY  ydrology Indicators dicators (minimum of	:		,				Secondary Indic	ators (2 c	or more requ	ired)	X
Remarks: Sample plot li  HYDROLO  Wetland Hy  Primary Ind  Surface	acks hydric soil indic  OGY ydrology Indicators dicators (minimum of	:	Wat	ter-Stained Le		(except		Secondary Indic	<i>ators (2 d</i> ned Leav	_	ired)	X
Remarks: Sample plot li  HYDROLO  Wetland Hy  Primary Ind  Surface	acks hydric soil indic  OGY  ydrology Indicators dicators (minimum of	:	Wat	,		(except		Secondary Indic	ators (2 c ned Leav	or more requ es (B9) ( <b>MR</b>	ired)	X
HYDROLO Wetland Hy Primary Ind Surface High V	acks hydric soil indicators  ydrology Indicators dicators (minimum of the Water (A1)  Water Tables (A2) ation (A3)	:	Wat N Salt	ter-Stained Le	a, and 4B)			Secondary Indic Water Stain 4A, and Drainage P	ators (2 ded Leav 4B) atterns (l	or more requ es (B9) ( <b>MR</b> B10)	ired)	
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water	acks hydric soil indicators  ydrology Indicators dicators (minimum of the Water (A1)  Water Tables (A2) ation (A3)  Marks (B1)	:	Wate Wate Wate No. 1975 Wate N	ter-Stained Le IRLA 1, 2, 4A Crust (B11) Latic Invertebra	ates (B13)	)		Secondary Indic Water Stair 4A, and Drainage P	ators (2 c ned Leav <b>4B</b> ) atterns (l	or more requeses (B9) (MRB10)	ired) LA 1, 2,	X
HYDROLO Wetland Hy Primary Ind Surfac High V Satura Water Sedim	acks hydric soil indicators ydrology Indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2)	:	Wate No. 1 N	ter-Stained Le IRLA 1, 2, 4A Crust (B11) latic Invertebra Irogen Sulfide	<b>a, and 4B</b> ) ates (B13) Odor (C1	)		Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation	ators (2 d ned Leav <b>4B</b> ) atterns (I n Water T	or more requ es (B9) ( <b>MR</b> B10) Γable (C2) n Aeriel Imag	ired) LA 1, 2,	X
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D	acks hydric soil indicators  dicators (minimum of the Water (A1))  Water Tables (A2)  ation (A3)  Marks (B1)  ment Deposits (B2)  Deposits (B3)	:	Wate No. 1 No. 2 N	ter-Stained Le IRLA 1, 2, 4A : Crust (B11) latic Invertebra Irogen Sulfide dized Rhizosp	ates (B13) Odor (C1 Oheres alor	) ) ng Living Ro	pots (C3)	Secondary Indic Water Stain 4A, and Drainage F Dry-Season Saturation Geomorphi	ators (2 de de Leav 4B) atterns (leav Water Toursible on c Positio	es (B9) ( <b>MR</b> B10) Fable (C2) In Aeriel Imag	ired) LA 1, 2,	X
HYDROLO  Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal	acks hydric soil indicators  ydrology Indicators dicators (minimum of the Water (A1)  Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3)  Mat or Crust (B4)	:	Watin Market Mar	ter-Stained Le IRLA 1, 2, 4A Crust (B11) Latic Invertebra Irogen Sulfide dized Rhizosp sence of Redu	ates (B13) Odor (C1 Oheres alou uced Iron	) ) ng Living Ro (C4)		Secondary Indic Water Stain 4A, and Drainage F Dry-Season Saturation Geomorphi Shallow Ac	ators (2 c ned Leav 4B) atterns (I n Water 1 Visible or c Positio uitard (D	es (B9) (MR B10) Fable (C2) In Aeriel Imag In (D2)	ired) LA 1, 2,	X
HYDROLO Wetland Hy Primary Ind Surface High N Satura Water Sedim Drift D Algal I	acks hydric soil indicators ydrology Indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5)	:	Wat  N Salt Aqu Hyc Oxic Pre	ter-Stained Lean IRLA 1, 2, 4A Crust (B11) Leatic Invertebration Sulfide dized Rhizospasence of Reducent Iron Reducert Iron Redu	ates (B13) Odor (C1 Oheres alou uced Iron oution in Ti	) ) ng Living Ro (C4) illed Soils (C	26)	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac	ators (2 content Leave 4B) atterns (In Water Tours Visible on the Content Content (December 2)	es (B9) (MR B10) Fable (C2) n Aeriel Imag n (D2) 3)	ired) LA 1, 2,	X
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface	acks hydric soil indicators ydrology Indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6)	: one required;	Wat  N Salt Aqu Hyc Oxic Pre- Rec	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) Latic Invertebra Irogen Sulfide dized Rhizosp Sence of Redu Sent Iron Redu Inted or Stress	ates (B13) Odor (C1 oheres alou uced Iron o uction in Ti	) ng Living Ro (C4) illed Soils (C	26)	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac FAC-Neutr	ators (2 content Leave 4B) atterns (In Water To Visible on the Content Content (December 2) with the content (December 2) and the co	es (B9) (MR B10) Γable (C2) n Aeriel Imag n (D2) 3) D5) (D6) (LRR M	ired) LA 1, 2,	X
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda	acks hydric soil indicators  dicators (minimum of the Water (A1)  Water Tables (A2)  ation (A3)  Marks (B1)  ment Deposits (B2)  Deposits (B3)  Mat or Crust (B4)  Deposits (B5)  De Soil Cracks (B6)  ation Visible on Aeric	: one required;	Wate No. 10 No.	ter-Stained Lean IRLA 1, 2, 4A Crust (B11) Leatic Invertebration Sulfide dized Rhizospasence of Reducent Iron Reducert Iron Redu	ates (B13) Odor (C1 oheres alou uced Iron o uction in Ti	) ng Living Ro (C4) illed Soils (C	26)	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac	ators (2 content Leave 4B) atterns (In Water To Visible on the Content Content (December 2) with the content (December 2) and the co	es (B9) (MR B10) Γable (C2) n Aeriel Imag n (D2) 3) D5) (D6) (LRR M	ired) LA 1, 2,	
HYDROLO Wetland Hy Primary Ind Surface High N Satura Water Sedim Drift D Algal I Iron D Surface Inunda	acks hydric soil indicators ydrology Indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) the Soil Cracks (B6) ation Visible on Aeric ley Vegetated Conca	: one required;	Wate No. 10 No.	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) Latic Invertebra Irogen Sulfide dized Rhizosp Sence of Redu Sent Iron Redu Inted or Stress	ates (B13) Codor (C1 Cheres alou cuced Iron outling in Ti sed Plants	) ng Living Ro (C4) illed Soils (C	26)	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac FAC-Neutr	ators (2 content Leave 4B) atterns (In Water To Visible on the Content Content (December 2) with the content (December 2) and the co	es (B9) (MR B10) Γable (C2) n Aeriel Imag n (D2) 3) D5) (D6) (LRR M	ired) LA 1, 2,	<u></u>
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars	acks hydric soil indicators ydrology Indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6) ation Visible on Aeric ley Vegetated Conce	: one required; ol Imagery (B	Wat   Name	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) latic Invertebra Irogen Sulfide dized Rhizosp sence of Redu sent Iron Redu nted or Stress er (Explain in	ates (B13) Codor (C1 Cheres alou cuced Iron outling in Ti sed Plants	) ng Living Ro (C4) illed Soils (C	26)	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac FAC-Neutr	ators (2 content Leave 4B) atterns (In Water To Visible on the Content Content (December 2) with the content (December 2) and the co	es (B9) (MR B10) Γable (C2) n Aeriel Imag n (D2) 3) D5) (D6) (LRR M	ired) LA 1, 2,	X
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obse	acks hydric soil indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6) ation Visible on Aeric ley Vegetated Concatervations: ater Present? Yes	: one required; el Imagery (B ave Surface (B	Wat   Name	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) Latic Invertebrations Irogen Sulfide dized Rhizospa sence of Redu Lent Iron Redu	ates (B13) Codor (C1 Cheres alou cuced Iron outling in Ti sed Plants	) ng Living Ro (C4) illed Soils (C	26)	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac FAC-Neutr	ators (2 content Leave 4B) atterns (In Water To Visible on the Content Content (December 2) with the content (December 2) and the co	es (B9) (MR B10) Γable (C2) n Aeriel Imag n (D2) 3) D5) (D6) (LRR M	ired) LA 1, 2,	
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obse Surface Wa Water Table	acks hydric soil indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6) ation Visible on Aeric ley Vegetated Concentrations: ater Present? Yes e Present? Yes	: one required; el Imagery (B ave Surface (B	Wat   N   Salt   Aqu   Hyc   Oxic   Pre:   Rec   Stui   Oth   8)   X   Dep   X   Dep	der-Stained Lean IRLA 1, 2, 4A control Crust (B11) attice Invertebration Sulfider dized Rhizospasence of Reducted Iron Redunted or Stresser (Explain in both (inches):	ates (B13) Codor (C1 Cheres alou cuced Iron outling in Ti sed Plants	) ng Living Ro (C4) illed Soils (C	C6) <b>A</b> )	Secondary Indice Water Stain 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Ac FAC-Neutr Raised Ant Frost-Heav	ators (2 c ned Leav 4B) atterns (I n Water 7 Visible or c Positio uitard (D al Test (I Mounds e Humm	es (B9) (MR B10) Fable (C2) In Aeriel Imag In (D2) 3) D5) (D6) (LRR /	ired) LA 1, 2, gery (C9)	-
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obse Surface Wa Water Table Saturation	acks hydric soil indicators (winding and acks hydric soil indicators (winding and acks) and acks (Marks (Ma	: one required; el Imagery (B ve Surface (B	Wat   N   Salt   Aqu   Hyc   Oxic   Pre:   Rec   Stui   Oth   8)   X   Dep   X   Dep	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) Latic Invertebrations Irogen Sulfide dized Rhizospa sence of Redu Lent Iron Redu	ates (B13) Codor (C1 Cheres alou cuced Iron outling in Ti sed Plants	) ng Living Ro (C4) illed Soils (C	C6) <b>A</b> )	Secondary Indic Water Stair 4A, and Drainage P Dry-Seasor Saturation Geomorphi Shallow Ac FAC-Neutr	ators (2 c ned Leav 4B) atterns (I n Water 7 Visible or c Positio uitard (D al Test (I Mounds e Humm	es (B9) (MR B10) Γable (C2) n Aeriel Imag n (D2) 3) D5) (D6) (LRR M	ired) LA 1, 2,	
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obse Surface Wa Water Table Saturation I (includes ca	acks hydric soil indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6) ation Visible on Aeric ley Vegetated Concatervations: ater Present? Present? Yes apillary fringe)	el Imagery (B ave Surface (B	Wat   N   Salt   Aqu   Hyc   Oxic   Pre:   Rec   Stur   Oth   8)   X   Dep	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) latic Invertebrations and suffice dized Rhizospasence of Redu- later thron Redu- thron Redu- th	ates (B13) Odor (C1 Oheres alor uced Iron uction in Ti sed Plants Remarks)	ng Living Ro (C4) illed Soils (C (D1) ( <b>LRR</b>	C6) A) Wetlan	Secondary Indice Water Stain 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Act FAC-Neutr Raised Ant Frost-Heav	ators (2 c ned Leav 4B) atterns (I n Water 7 Visible or c Positio uitard (D al Test (I Mounds e Humm	es (B9) (MR B10) Fable (C2) In Aeriel Imag In (D2) 3) D5) (D6) (LRR /	ired) LA 1, 2, gery (C9)	-
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obse Surface Wa Water Table Saturation I (includes ca	acks hydric soil indicators (winding and acks hydric soil indicators (winding and acks) and acks (Marks (Ma	el Imagery (B ave Surface (B	Wat   N   Salt   Aqu   Hyc   Oxic   Pre:   Rec   Stur   Oth   8)   X   Dep	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) latic Invertebrations and suffice dized Rhizospasence of Redu- later thron Redu- thron Redu- th	ates (B13) Odor (C1 Oheres alor uced Iron uction in Ti sed Plants Remarks)	ng Living Ro (C4) illed Soils (C (D1) ( <b>LRR</b>	C6) A) Wetlan	Secondary Indice Water Stain 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Act FAC-Neutr Raised Ant Frost-Heav	ators (2 c ned Leav 4B) atterns (I n Water 7 Visible or c Positio uitard (D al Test (I Mounds e Humm	es (B9) (MR B10) Fable (C2) In Aeriel Imag In (D2) 3) D5) (D6) (LRR /	ired) LA 1, 2, gery (C9)	-
HYDROLO Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars Field Obse Surface Wa Water Table Saturation I (includes ca	acks hydric soil indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6) ation Visible on Aeric ley Vegetated Concatervations: ater Present? Present? Yes apillary fringe)	el Imagery (B ave Surface (B	Wat   N   Salt   Aqu   Hyc   Oxic   Pre:   Rec   Stur   Oth   8)   X   Dep	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) latic Invertebrations and suffice dized Rhizospasence of Redu- later thron Redu- thron Redu- th	ates (B13) Odor (C1 Oheres alor uced Iron uction in Ti sed Plants Remarks)	ng Living Ro (C4) illed Soils (C (D1) ( <b>LRR</b>	C6) A) Wetlan	Secondary Indice Water Stain 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Act FAC-Neutr Raised Ant Frost-Heav	ators (2 c ned Leav 4B) atterns (I n Water 7 Visible or c Positio uitard (D al Test (I Mounds e Humm	es (B9) (MR B10) Fable (C2) In Aeriel Imag In (D2) 3) D5) (D6) (LRR /	ired) LA 1, 2, gery (C9)	-
HYDROLO  Wetland Hy Primary Ind Surface High V Satura Water Sedim Drift D Algal I Iron D Surface Inunda Spars  Field Obse Surface Wa Water Table Saturation I (includes ca	acks hydric soil indicators dicators (minimum of the Water (A1) Water Tables (A2) ation (A3) Marks (B1) Ment Deposits (B2) Deposits (B3) Mat or Crust (B4) Deposits (B5) De Soil Cracks (B6) ation Visible on Aeric ley Vegetated Concatervations: ater Present? Present? Yes apillary fringe)	: one required; el Imagery (B ive Surface (B No No No gauge, monito	Wat  N Salt Aqu Hyc Oxic Pre Rec Stur Oth  X Dep X Dep x Dep	ter-Stained Lea IRLA 1, 2, 4A Crust (B11) latic Invertebrations and suffice dized Rhizospasence of Redu- later thron Redu- thron Redu- th	ates (B13) Odor (C1 Oheres alor uced Iron uction in Ti sed Plants Remarks)	ng Living Ro (C4) illed Soils (C (D1) ( <b>LRR</b>	C6) A) Wetlan	Secondary Indice Water Stain 4A, and Drainage P Dry-Season Saturation Geomorphi Shallow Act FAC-Neutr Raised Ant Frost-Heav	ators (2 c ned Leav 4B) atterns (I n Water 7 Visible or c Positio uitard (D al Test (I Mounds e Humm	es (B9) (MR B10) Fable (C2) In Aeriel Imag In (D2) 3) D5) (D6) (LRR /	ired) LA 1, 2, gery (C9)	-

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	te: 12/19/	2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Po	int: SP FW	/ V5		
Investigators: STORY, DANIELSKI			Section, Township,	Range: T21N R4E S	21			
Landform (hillslope, terrace, etc.): Channel		Local Rel	ief (concave, convex,	none): None		Slope	(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2930	D34 Long	: -122.306145	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy lo	am	_	NWI Classifi	cation: UPL				
Are climatic / hydrologic conditions on the site typic	cal for this time of	year? Ye	s X No	(If No, explain in Re	emarks)			
Are Vegetation: Soil or Hydrology _	significantly d	isturbed?	Are "Normal Circur	nstances" present?	Yes	Х	N	٥
Are Vegetation: Soil or Hydrology _	naturally prob	lematic?	(If needed, explain	any answers in Rema	arks.)			
SUMMARY OF FINDINGS - Attach a si	te map showi	ng sampling	point locations	, transects, imp	ortant fe	eature	es, etc.	
Hydrophytic Vegetation Present? Yes	No X							
Hydric Soil Present? Yes	No X	Is the	e Sampled Area					
Wetland Hydrology Present? Yes	X No	withi	n a Wetland?	Yes			No X	
Remarks:								
Sample plot located in small side channel. Sample	plot has 1 of 3 we	etland criteria, is	not located in a wetla	nd.				
	•							
VEGETATION – Use scientific names	of plants.							
	Absolute	Dominant	Indicator	Dominance Test \	Worksheet	t:		
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	nt Species			
1.		-	_	That Are OBL, FAC	W, or FAC	<b>:</b> :	2	(A)
2.			_	Total Number of Do	minant	_		_
3.			_	Species Across All	Strata:		4	(B)
4.				Percent of Dominar	nt Species	_		_
		= Total Cover	<del>.</del> —	That Are OBL, FAC	W, or FAC	<b>:</b> :	50	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index	worksheet	t:		
1. Rubus armeniacus	20	Yes	FAC	Total % Cover of:		Multip	ly by:	
2. Rubus laciniatus	10	Yes	FACU	OBL species		x1=		
3.				FACW species		x2= -	0	
4.			<u> </u>	FAC species	60	x3= _	180	
5.			<u> </u>	FACU species	20	x4= _	80	
	30	= Total Cover	•	UPL species		x5= _	0	_
Herb Stratum (Plot size: 1m)				Column Totals:	80	(A) _	260	_ (B)
1. Agrostis capillaris	40	Yes	FAC					
2. Pteridium aquilinum	10	Yes	FACU	Prevalence Ind			3.2	5
3			_	Hydrophytic Vege	tation Indi	icators	s:	
4				1 - Rapid Tes			Vegetation	on
5				2 - Dominano				
6.				3 - Prevalenc				
7.				4 - Morpholo	•		•	
8.					lemarks or		•	heet)
9.			_	5 - Wetland N				
10.			_	Problematic I				
11.			<del>.</del> ———	¹Indicators of hydric				-
Moody Vino Ctrature (Platains)	50	= Total Cover	-	must be present, ur	iless distur	ped o	r problema	atic.
Woody Vine Stratum (Plot size:)				Hydronbyd!				
1.				Hydrophytic	V		lo Y	
2		Total Osus		Vegetation	Yes -	^	10 <u>X</u>	_
9/ Rara Ground in Harb Stratum 50		= Total Cover		Present?				
% Bare Ground in Herb Stratum 50	<u> </u>	ver of Biotic Crus		1				
Remarks: Sample plot does not meet dominance test or prev	alence index for h	ydrophytic veget	ation.					

Profile Descr	iption: (Describe to	the depth needs	ed to document the i	ndicator c	or confirm	the abse	ence of indicators.	)			
Depth	Matrix		Redo	ox Feature	s						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture		Ren	narks	
0-9	10YR 3/2	100					Sandy Loam				
9-12	10YR 3/3	100					Sandy Loam	Gravell	y, compac	ted	
¹Type: C= Co	ncentration, D= Deple	etion, RM=Reduc	ed Matrix, CS=Cover	ed or Coat	ted Sand G	rains.	²Loc	ation: PL	_=Pore Lin	ing, M=Mat	ırix.
Hydric Soil In	ndicators: (Applicab	le to all LRRs, ι	ınless otherwise not	ted.)			Indicators for Pro	blematic	Hydric S	oils³:	
Histose	ol (A1)	_	Sandy Redox (S5	5)			2 cm Muck	(A10)			
Histic I	Epipedon (A2)	_	Stripped Matrix (S	S6)			Red Parent				
Black I	Histic (A3)	_	Loamy Mucky Mi	neral (F1)	(except ML	RLA 1)	Very Shallo	w Dark S	urface (TF	12)	
l — ' '	gen Sulfide (A4)	_	Loamy Gleyed M				Other (Expl	ain in Re	marks)		
·	ed Below Dark Surfac	ce (A11)	Depleted Matrix (	,							
	Dark Surface (A12)	_	Redox Dark Surfa	, ,			<sup>3</sup> Indicators of hyd		-		
	Mucky Mineral (S1)	_	Depleted Dark Su		1		wetland hydrol		-	t,	
	Gleyed Matrix (S4)	_	Redox Depressio	ns (F8)			unless disturbe	ed or prob	lematic.		
Restrictive	Layer (if present):										
Type:											
Depth	(inches):						Hydric Soil Pres	sent?	Yes _	No	X
Remarks:											
Sample plot la	acks hydric soil indicat	ors.									
HYDROLO	GY										
Wetland Hy	drology Indicators:										
_	cators (minimum of o	ne required; ched	ck all that apply)				Secondary Indic	ators (2 o	r more req	uired)	
	e Water (A1)		Water-Stained Le	aves (B9)	(except		Water Stair				-
X High W	Vater Tables (A2)	_	MRLA 1, 2, 4A	, and 4B)			4A, and	<b>4B</b> )			
X Satura	tion (A3)		Salt Crust (B11)				Drainage P	atterns (E	310)		
Water	Marks (B1)	_	Aquatic Invertebr	ates (B13)			Dry-Seasor	n Water T	able (C2)		
Sedim	ent Deposits (B2)	_	Hydrogen Sulfide	Odor (C1)	)		Saturation '	Visible on	Aeriel Ima	agery (C9)	
Drift D	eposits (B3)	_	Oxidized Rhizosp	heres alor	ng Living Ro	oots (C3)	Geomorphi	c Position	n (D2)		
Algal N	Mat or Crust (B4)	_	Presence of Redu	,	. ,		Shallow Aq	uitard (D3	3)		
	eposits (B5)	_	Recent Iron Redu				FAC-Neutra	al Test (D	5)		
	e Soil Cracks (B6)	_	Stunted or Stress		(D1) ( <b>LRR</b> /	<b>A</b> )	Raised Ant			A)	
	tion Visible on Aeriel	- · · · -	Other (Explain in	Remarks)			Frost-Heav	e Hummo	ocks (D7)		
Sparsl	ey Vegetated Concav	e Surface (B8)									
Field Obser											
	ter Present? Yes	_X_No	Depth (inches):		1.00						
Water Table		XNo	Depth (inches):		0.0	 					
Saturation F		No	Depth (inches): -		0.0	Wetland	d Hydrology Prese	ent?	Yes _	X No	
	pillary fringe)										
Describe Reco	orded Date (stream ga	auge, monitoring	well, aerial photos, pr	revious ins	pections), it	f availabl	e:				
Remarks:											
	ide channel, possibly	old roadbed. Flo	oded from recent rain	s. Sample	plot meets	primary I	hydrology indicators	s for surfa	ace water,	high water	table,
and saturation	1.										

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	e: 12/19/2019		
Applicant/Owner: Sound Transit		_	State: WA	Sampling Poir	nt: SP FW V6		
Investigators: STORY, DANIELSKI			 Section, Township, F	 Range: T21N R4E S2	1		
Landform (hillslope, terrace, etc.): Channel		Local Relie	f (concave, convex,	none): None	Slope	(%): 0	
Subregion (LRR): A	Lat: 47.2928	_	-122.307457		VGS84		
Soil Map Unit Name: Alderwood gravelly sandy loar	 n		NWI Classific	ation: UPL			
Are climatic / hydrologic conditions on the site typical		year? Yes	X No	(If No, explain in Rer	marks)		
Are Vegetation: Soil or Hydrology	significantly di	-	Are "Normal Circum	<b>-</b> '	Yes >	( N	0
Are Vegetation: Soil or Hydrology	naturally prob		(If needed, explain a	any answers in Remai	rks.)		
SUMMARY OF FINDINGS - Attach a site	– map showi	ng sampling r	point locations.	transects, impo	rtant featur	es. etc.	
Hydrophytic Vegetation Present? Yes X	No	1					
Hydric Soil Present? Yes	- No X	Is the S	Sampled Area				
Wetland Hydrology Present? Yes X	No No		a Wetland?	Yes		No X	
Remarks:				<del>_</del>			
Sample plot lacks hydric soil and is not located within VEGETATION – Use scientific names of		visit occurred out	side of growing seas	son.			
	Absolute	Dominant	Indicator	Dominance Test W	/orksheet:		
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Dominan	t Species		
Salix scouleriana	25	Yes	FAC	That Are OBL, FAC		3	(A)
2.				Total Number of Dor	minant -		<b>-</b> ` ′
3.				Species Across All S	Strata:	5	(B)
4.				Percent of Dominant	Species		<b>-</b> ` ′
	25	= Total Cover		That Are OBL, FAC	N, or FAC:	60	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index w	orksheet:		
1. Rubus spectabilis	35	Yes	FAC	Total % Cover of:	<u>Multip</u>	oly by:	
2. Rubus ursinus	30	Yes	FACU	OBL species	x1=		
3. Rubus armeniacus	15	No	FAC	FACW species	x2=	0	_
4.				FAC species	95 x3=	285	_
5.				FACU species	55 x4=	220	
	80	= Total Cover		UPL species	x5=	0	
Herb Stratum (Plot size: 1m)				Column Totals:	150 (A)	505	— (B)
1. Ranunculus repens	20	Yes	FAC	_			_
2. Pteridium aquilinum	20	Yes	FACU	Prevalence Inde	x = B/A =	3.3	7
3. Polystichum munitum	5	No	FACU	Hydrophytic Vegeta	ation Indicator	s:	
4.				1 - Rapid Test	for Hydrophytic	c Vegetatio	on
5.				X 2 - Dominance	e Test is >50%		
6.				3 - Prevalence	e Index is ≤3.0¹		
7.				4 - Morpholog	ical Adaptations	s¹ (Provide	)
8.				data in Re	emarks or on a	separate s	heet)
9.				5 - Wetland N	on-Vascular Pla	ınts¹	
10.				Problematic H	lydrophytic Veg	etation¹ (E	xplain)
11.				<sup>1</sup> Indicators of hydric	soil and wetlan	d hydrolog	y
	45	= Total Cover		must be present, unl	less disturbed o	r problema	atic.
Woody Vine Stratum (Plot size:)							
1.				Hydrophytic			
2.				Vegetation	Yes X I	No	
		= Total Cover		Present?			_
% Bare Ground in Herb Stratum 25	% Cov	er of Biotic Crust					
Pomarke:							

Sample plot meets dominance test but not prevalence index for hydrophytic vegetation. Hydrophytic species found in plot are primarily deep-rooted tree and shrub species that have access to a deeper water table.

Profile Descr	iption: (Describe to	the depth need	ded to document the	indicator o	or confirm	the abse	nce of indicators.	)			
Depth	Matrix		Red	ox Feature	s						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture		Remark	(S	
0-9	10YR 3/2	100					Sandy Loam				
9-12	10YR 3/3	100					Sandy Loam	Gravelly			
								-			
	•		uced Matrix, CS=Cover		ted Sand G				Pore Lining,		ix.
_		le to all LRRs,	unless otherwise no	ted.)			Indicators for Pro	blematic H	lydric Soils	3:	
— Histose		-	Sandy Redox (S	5)			2 cm Muck				
	Epipedon (A2)	-	Stripped Matrix (	,			Red Parent				
	Histic (A3)	-	Loamy Mucky Mi		(except ML	RLA 1)			face (TF12)		
l — ' '	gen Sulfide (A4)	-	Loamy Gleyed M	, ,			Other (Expl	ain in Rema	arks)		
·	ed Below Dark Surfac	e (A11)	Depleted Matrix (				31	dan and based as a second		.1	
	Dark Surface (A12)	-	Redox Dark Surf	, ,	•		<sup>3</sup> Indicators of hyd		•	a	
	Mucky Mineral (S1) Gleyed Matrix (S4)	-	Depleted Dark Si Redox Depression		)		wetland hydrol unless disturbe		•		
	. ,	-	—— nedox Depressio	115 (1 6)			uriless disturbe	d of proble	manc.		
	Layer (if present):										
Type:	(inches):						Uvdrie Ceil Dre		/oo	No	V
	(inches):						Hydric Soil Pres	sent?	/es 	No	X
Remarks:											
Sample plot la	ıcks hydric soil indicat	ors.									
HYDROLO	GY										
	drology Indicators:										
_	cators (minimum of o	ne required; che	eck all that apply)				Secondary Indica	ators (2 or n	more require	ed)	
	e Water (A1)		Water-Stained Le	eaves (B9)	(except				(B9) ( <b>MRL</b> A		
	Vater Tables (A2)	-	MRLA 1, 2, 4 <i>A</i>		•		4A, and		, , ,		
X Satura	tion (A3)		Salt Crust (B11)				Drainage P	atterns (B10	0)		
Water	Marks (B1)	-	Aquatic Invertebr	ates (B13)	)		Dry-Seasor	n Water Tab	ole (C2)		
Sedim	ent Deposits (B2)	_	Hydrogen Sulfide	Odor (C1	)		Saturation	Visible on A	eriel Imagei	y (C9)	
Drift D	eposits (B3)		Oxidized Rhizosp	oheres alor	ng Living Ro	oots (C3)	Geomorphi	c Position (I	D2)		
Algal N	Mat or Crust (B4)		Presence of Red	uced Iron (	(C4)		Shallow Aq	uitard (D3)			
	eposits (B5)	-	Recent Iron Red				FAC-Neutra	al Test (D5)			
	e Soil Cracks (B6)	-	Stunted or Stress			<b>A</b> )	Raised Ant	•	, ,		
	tion Visible on Aeriel	- · · · · -	Other (Explain in	Remarks)			Frost-Heav	e Hummock	ks (D7)		
Sparsl	ey Vegetated Concav	e Surface (B8)									
Field Obser											
Surface Wa		No	X Depth (inches):								
Water Table		X No _	Depth (inches):		1.0		d Handard Laura Barra		/ V	NI.	
Saturation F		_X_No _	Depth (inches):		0.0	wetland	d Hydrology Prese	ent? Y	res X	_ No	
	pillary fringe)										
Describe Reco	orded Date (stream ga	auge, monitorin	g well, aerial photos, p	revious ins	spections), i	f availabl	e:				
Remarks:											
Sample plot m	neets primary hydrolog	gy indicators for	saturation and high w	ater table.							

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ite: 12/19	/2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Po	int: SP F	W V7		
Investigators: Danielski, Story			Section, Township,	Range: T21N R4E S	21			
Landform (hillslope, terrace, etc.): Flat		Local Rel	ief (concave, convex,	none): None		Slope	e(%): 0	
Subregion (LRR): A	Lat: 47.2918	<u> </u>	: -122.307533	Datum:	WGS84	-		
Soil Map Unit Name: Alderwood gravelly sandy loa	 m		NWI Classifi	cation: UPL				
Are climatic / hydrologic conditions on the site typical	I for this time of	year? Yes	s X No	(If No, explain in Re	emarks)			
Are Vegetation: Soil or Hydrology	significantly o	listurbed?	Are "Normal Circur	nstances" present?	Yes	· >	( N	0
Are Vegetation: Soil or Hydrology	— naturally prob	olematic?	(If needed, explain	any answers in Rema	arks.)			
SUMMARY OF FINDINGS - Attach a site	_ e map showi	ing sampling	point locations	, transects, imp	ortant f	eatur	es, etc.	
Hydrophytic Vegetation Present? Yes X	No	1	_ <del>-</del>	<del>-</del> _				
Hydric Soil Present? Yes		Is the	e Sampled Area					
Wetland Hydrology Present? Yes X	_ <sub>No</sub>	withi	n a Wetland?	Yes			No X	
Remarks:						_		
Sample plot has 2 of 3 wetland indicators. Sample p		soil and is not loc	ated in a wetland. Sit	e visit occurred outsi	de of grow	ving sea	ason.	
VEGETATION - Ose scientific flames o	Absolute	Dominant	Indicator	Dominance Test	Markaba			
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?		Number of Domina				
,	15	Yes	_ Status FAC	That Are OBL, FAC	•		3	<b>(A)</b>
<ol> <li>Populus balsamifera</li> <li>Thuja plicata</li> </ol>	10	Yes	FAC	Total Number of Do		· -		— <sup>(A)</sup>
3.				Species Across All			5	(B)
			_	Percent of Domina		_		<b>—</b> (B)
4	25	= Total Cover	<del>,</del> ———	That Are OBL, FAC	•		60	(A/B)
Sonling/Shrub Stratum (Plot size: 2m)		= Total Cover		Prevalence Index				(A/b)
Sapling/Shrub Stratum (Plot size: 3m)  1. Spiraea douglasii	50	Yes	FACW	Total % Cover of:	WOIKSHEE	عد. <u>Multip</u>	alv by:	
Rubus spectabilis	10	No	FAC	OBL species		x1=	<u>лу Оу.</u>	
3.				FACW species	<del></del>	- ^ ! = - ×2=	100	_
4.			_	FAC species	35	- ^2= - x3=	105	_
5.			_	FACU species	10	- <sup>×3=</sup> - ×4=	40	_
	60	= Total Cover	<del>.</del> ———	UPL species		- ^¬ ×5=	0	_
Herb Stratum (Plot size: 1m)		= 10tai 00vci		Column Totals:	95	- (A)	245	— <sub>(B)</sub>
Hedera helix	5	Yes	FACU	Column Totals.		- (^, –		<b>—</b> (D)
2. Polystichum munitum		Yes	FACU	Prevalence Ind	lov - R/Δ-		2.5	i8
3.				Hydrophytic Vege				
4.				1 - Rapid Te				on
5.				X 2 - Dominano			, vegetati	J11
6.				X 3 - Prevalence				
7.				4 - Morpholo			s¹ (Provide	د
8.				<u> </u>	•		separate s	
9.				5 - Wetland I				moot)
10.		-		Problematic				- xplain)
11.				¹Indicators of hydric		_		
····	10	= Total Cover	<del>.</del> ———	must be present, u				
Woody Vine Stratum (Plot size:)		_ 10tal 00V61		act bo prodont, ut			. p. 55101116	
1.				Hydrophytic				
2.				Vegetation	Yes	1 X	No	
		= Total Cover		Present?	100	<u>~</u> '	· · ·	_
% Bare Ground in Herb Stratum 90		ver of Biotic Crus						
Remarks:			···					

Sample plot meets dominance test and prevalence index for hydrophytic vegetation. Hydrophytic species found in plot are primarily deep-rooted tree and shrub species that have access to a deeper water table.

0-9 9-14 14-16	Color (moist)		D-	day Faatiwa		the abse	ence of indicators.)	
0-9 9-14				dox Feature:		12	<b>- - - - - - - - - -</b>	Demonder
9-14	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
	10YR 3/2	100					Sandy Loam	
14-16	10YR 3/3	100					Sandy Loam	
	10YR 4/3	100					Sandy Loam	
			-				<u> </u>	
							<u> </u>	
		<u> </u>						
<sup>1</sup> Type: C= Cor	ncentration, D= De	epletion, RM=Re	educed Matrix, CS=Cove	ered or Coat	ed Sand G	rains.	²Location:	PL=Pore Lining, M=Matrix.
Hydric Soil In	dicators: (Applic	able to all LRR	ls, unless otherwise n	oted.)			Indicators for Problem	atic Hydric Soils³:
Histoso	ol (A1)		Sandy Redox (S	S5)			2 cm Muck (A10)	
Histic E	Epipedon (A2)		Stripped Matrix	(S6)			Red Parent Mate	rial (TF2)
Black F	Histic (A3)		Loamy Mucky N	lineral (F1)	(except ML	RLA 1)	Very Shallow Da	rk Surface (TF12)
Hydrog	jen Sulfide (A4)		Loamy Gleyed I	Matrix (F2)			Other (Explain in	Remarks)
Deplete	ed Below Dark Su	face (A11)	Depleted Matrix	(F3)				
Thick D	Dark Surface (A12)	)	Redox Dark Su	face (F6)			<sup>3</sup> Indicators of hydrophy	tic vegetation and
Sandy	Mucky Mineral (S	1)	Depleted Dark S	Surface (F7)			wetland hydrology m	oust be present,
Sandy	Gleyed Matrix (S4	)	Redox Depress	ions (F8)			unless disturbed or p	problematic.
Restrictive !	Layer (if present)	,:						
Type:			_					
Depth (	(inches):		_				Hydric Soil Present?	Yes No X
-	drology Indicator							(0)
	,	f one required; o	check all that apply)	(50)	, .		Secondary Indicators	· · · · · · · · · · · · · · · · · · ·
	e Water (A1)		Water-Stained I		(except			eaves (B9) ( <b>MRLA 1, 2,</b>
	/ater Tables (A2)		MRLA 1, 2, 4	·			4A, and 4B)	(D40)
	tion (A3)		Salt Crust (B11)				Drainage Pattern	,
	Marks (B1)		Aquatic Inverteb				Dry-Season Water	
	ent Deposits (B2)		— Hydrogen Sulfic			t- (CO)		e on Aeriel Imagery (C9)
	eposits (B3)		Oxidized Rhizos  Presence of Re	-	-	bois (C3)	· <del></del>	, ,
	Mat or Crust (B4)		Recent Iron Rec	`	,	C6)	Shallow Aquitard FAC-Neutral Tes	
	eposits (B5) e Soil Cracks (B6)		Stunted or Street		,		Raised Ant Mour	` '
	tion Visible on Aer	riel Imagery (R	Other (Explain i		(DT) (ERR	<b>A</b> )	Frost-Heave Hun	, , , ,
	ev Vegetated Con	• • •		ii Neiliaiks)				illilocks (D1)
Field Obser	, ,							
i iciu Obsei		es No	X Depth (inches):					
Surface Water			Depth (inches):		5.0			
Surface Water			Depth (inches):		1.0	Wetlan	nd Hydrology Present?	Yes X No
Water Table		<u> </u>						
Water Table Saturation P	pillary fringe)							
Water Table Saturation P (includes cap	pillary fringe)		ring well aerial photos	nravialle inc	nactione) i	f availah	مام٠	
Water Table Saturation P (includes cap		n gauge, monito	ring well, aerial photos,	previous ins	pections), i	f availab	ole:	
Water Table Saturation P (includes cap		n gauge, monito	ring well, aerial photos,	previous ins	pections), i	f availab	ole:	
Water Table Saturation Pi (includes cap Describe Reco	orded Date (strean						es for saturation and high	water table.

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	: 12/19/2019	9	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Point	: SP FW V8	}	
nvestigators: Danielski, Story			Section, Township,	Range: T21N R4E S21			
andform (hillslope, terrace, etc.): Flat		Local Rel	ief (concave, convex	, none): None	Slop	oe(%): 0	
Subregion (LRR): A	Lat: 47.292	641 Long	-122.307724	Datum: W	GS84		
Soil Map Unit Name: Alderwood gravelly sandy	loam		NWI Classifi	cation: UPL			
Are climatic / hydrologic conditions on the site ty	oical for this time of	year? Yes	s_XNo	_ (If No, explain in Rem	arks)		
Are Vegetation: Soil or Hydrology	significantly o	disturbed?	Are "Normal Circur	nstances" present?	Yes	X N	°
Are Vegetation: Soil or Hydrology				any answers in Remark			
SUMMARY OF FINDINGS - Attach a	site map show	ing sampling	point locations	, transects, impor	tant featu	ıres, etc.	
Hydrophytic Vegetation Present? Yes	X No						
Hydric Soil Present? Yes	No X	Is the	Sampled Area				
Vetland Hydrology Present? Yes	No X	withi	n a Wetland?	Yes _		No X	
Remarks:							
Sample plot has 1 of 3 wetland indicators and is	not located in a we	tland.					
/EGETATION – Use scientific name	s of plants.						
	Absolute	Dominant	Indicator	Dominance Test We	orksheet:		
ree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Dominant	Species		
. Populus balsamifera	40	Yes	FAC	That Are OBL, FACW	, or FAC:	4	(A)
2. Alnus rubra	20	Yes	FAC	Total Number of Dom	inant		_
3.				Species Across All St	rata:	5	(B)
ı.			_	Percent of Dominant	Species		_
	60	= Total Cover		That Are OBL, FACW	, or FAC:	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index wo	orksheet:		
. Rubus armeniacus	10	Yes	FAC	Total % Cover of:	<u>Mul</u>	tiply by:	
2. Prunus occidentalis	7	Yes		OBL species	x1=		_
3.	_			FACW species	x2=	0	_
l	_		_	FAC species	130 x3=	390	
5.				FACU species	x4=	0	_
	17	= Total Cover		UPL species	x5=	0	_
Herb Stratum (Plot size: 1m)				Column Totals:	130 (A)	390	_ (B)
. Ranunculus repens	60	Yes	_ FAC				
2				Prevalence Index		3.0	0
3. 				Hydrophytic Vegeta			
l				1 - Rapid Test		_	on
). 	_		_	X 2 Dominance			
j				X 3 - Prevalence			
				4 - Morphologic			
3.				5 - Wetland No	marks or on a		neet)
0.				Problematic Hy			volain)
1.			_	¹Indicators of hydric s			
l I •			_	·			
		- Total Cover	•			or problem	auc.
Moody Vine Stratum (Plot size: )	60	= Total Cover	•	must be present, unle	ss disturbed		
Noody Vine Stratum (Plot size: )	60	= Total Cover		·	ss disturbed		
Noody Vine Stratum (Plot size: )	60	= Total Cover		Hydrophytic		No	
Noody Vine Stratum (Plot size: )	60		<u> </u>	Hydrophytic Vegetation	Yes X	No	_
Noody Vine Stratum (Plot size:)  2.  8 Bare Ground in Herb Stratum 40		= Total Cover  = Total Cover ver of Biotic Crus		Hydrophytic		No	_

Profile Desci	ription: (Describ	e to the depth no	eded to	document the i	indicator c	or confirm	the abse	ence of indicators.)	-			
Depth	M	atrix		Rede	ox Feature	s						
(inches)	Color (moist	:) %	C	olor (moist)	%	Type <sup>1</sup>	Loc²	Texture		Remark	s	
	-											
¹Type: C= Co	oncentration, D=	Depletion, RM=R	educed M	latrix, CS=Cover	ed or Coat	ed Sand G	rains.	²Locati	on: PL=Po	ore Lining,	M=Matr	ix.
Hydric Soil I	ndicators: (App	licable to all LRF	Rs, unles	s otherwise no	ted.)			Indicators for Proble	matic Hy	dric Soils³	:	
Histos	sol (A1)			Sandy Redox (St	5)			2 cm Muck (A	10)			
Histic	Epipedon (A2)			Stripped Matrix (	S6)			Red Parent Ma	aterial (TF	2)		
	Histic (A3)			₋oamy Mucky Mi		(except ML	RLA 1)	Very Shallow I				
	gen Sulfide (A4)			_oamy Gleyed M				Other (Explain	in Remar	ks)		
l ——	ted Below Dark S	` '		Depleted Matrix (								
	Dark Surface (A			Redox Dark Surfa				<sup>3</sup> Indicators of hydro			l	
	Mucky Mineral (	•		Depleted Dark Su				wetland hydrology				
	Gleyed Matrix (	*		Redox Depressio	ons (F8)			unless disturbed o	or problem	atic.		
	Layer (if prese	nt):										
Type:									_			
Depth	(inches):		_					Hydric Soil Preser	it? Ye	es	_ No	X
HYDROLO	OGY											
Wetland Hy	ydrology Indica	tors:										
Primary Ind	licators (minimun	of one required;	check all	that apply)				Secondary Indicato				
	ce Water (A1)		'	Water-Stained Le	` '	(except		Water Stained	,	39) ( <b>MRLA</b>	1, 2,	
	Water Tables (A2	)		MRLA 1, 2, 4A	A, and 4B)			4A, and 4B				
	ation (A3)			Salt Crust (B11)	. (5.40)			Drainage Patte	, ,			
	Marks (B1)			Aquatic Invertebr	. ,			Dry-Season W			(00)	
	nent Deposits (B2 Deposits (B3)	:)		Hydrogen Sulfide Oxidized Rhizosp			note (C3)	Saturation Vis Geomorphic P			y (C9)	
	Mat or Crust (B4)			Presence of Red			ous (CS)	Shallow Aquita	,	<b>2</b> )		
	eposits (B5)	'		Recent Iron Redu	`	,	26)	FAC-Neutral T				
	ce Soil Cracks (B	6)		Stunted or Stress				Raised Ant Mo		(LRR A)		
	ation Visible on A	·		Other (Explain in		, , ,	,	Frost-Heave H	, ,			
		oncave Surface (B			·			<del></del>		, ,		
Field Obse	rvations:						Ι					
Surface Wa	ater Present?	Yes No	ΧΙ	Depth (inches):								
Water Table	e Present?	Yes No		Depth (inches):								
Saturation I	Present?	Yes No	ı	Depth (inches):			Wetland	d Hydrology Present	? Ye	es	No	X
(includes ca	apillary fringe)			•								
Describe Rec	orded Date (stre	am gauge, monito	ring well,	aerial photos, p	revious ins	pections), it	f availabl	e:				
Remarks:												
Sample plot la	acks primary and	secondary indica	tors of w	etland hydrology								

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	te: 10/9/	2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Po	int: SP V	VFW 1-	-1	
Investigators: DANIELSKI, STORY			Section, Township,	Range: T21N R4E S	21			
Landform (hillslope, terrace, etc.): Flat		Local Rel	ief (concave, convex,	none): None		Slope	e(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2997	40 Long	-122.304298	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy loa	m		NWI Classific	ation: PFO				
Are climatic / hydrologic conditions on the site typical	I for this time of y	vear? Yes	s No_X	(If No, explain in Re	emarks)			
Are Vegetation: Soil or Hydrology	_ significantly di	sturbed?	Are "Normal Circun	nstances" present?	Ye	s	х <u> </u>	lo
Are Vegetation: Soil or Hydrology	_ naturally probl	ematic?	(If needed, explain	any answers in Rema	arks.)			
SUMMARY OF FINDINGS - Attach a site	map showii	ng sampling	point locations	, transects, imp	ortant	featui	res, etc.	
Hydrophytic Vegetation Present? Yes X	No							
Hydric Soil Present? Yes X	No	Is the	Sampled Area					
Wetland Hydrology Present? Yes X	No	withi	n a Wetland?	Yes	Χ	_	No	
Remarks:								
On low bank of Hylebos creek, looks like possible we								
season so dry season conditions were still considered.	ed when evaluatir	ng hydrology. Sa	ample plot has 3 of 3	wetland criteria, is loc	cated in to	orested	portion of	WFW-
VEGETATION – Use scientific names o	f plants.							
	Absolute	Dominant	Indicator	Dominance Test \	Workshe	et:		
<u>Tree Statum</u> (Plot size: 5)	% Cover	Species?	Status	Number of Domina	nt Specie	S		
1. Fraxinus latifolia	60	Yes	FACW	That Are OBL, FAC	W, or FA	،C: _	3	_ (A)
2				Total Number of Do	minant			
3				Species Across All	Strata:	_	4	(B)
4				Percent of Dominar	nt Specie	S		
	60	= Total Cover		That Are OBL, FAC			75	(A/B)
Sapling/Shrub Stratum (Plot size: 3)				Prevalence Index	workshe	et:		
Oemleria cerasiformis	20	Yes	FACU	Total % Cover of:		Multi	ply by:	
2. Acer circinatum	5	No	FAC	OBL species		_ ×1= -		_
3. Cornus alba	3	No	FACW	FACW species	123	_ x2= -	246	_
4				FAC species	35	_ ×3= -	105	_
5.				FACU species	20	_ <sup>×4=</sup> -	80	_
	28	= Total Cover	•	UPL species		_ <sup>x5=</sup> -	0	<b>–</b> "
Herb Stratum (Plot size: 1)	00	V	FAON	Column Totals:	178	– <sup>(A)</sup> -	431	— <sup>(B)</sup>
Phalaris arundinacea     Paranaulus rangas	60	Yes	- FACW	Duayalanaa lad	au D/A		0.4	10
2. Ranunculus repens	30	Yes	_ FAC	Prevalence Ind			2.4	+2
3.				1 - Rapid Tes				
4 5.				X 2 - Dominano	-		•	OH
6.			_	X 3 - Prevalence				
7.				4 - Morpholo			s¹ (Provide	ے
8.				supporting data in F				
9.				5 - Wetland N				311001,
10.				Problematic				Explain)
11.				¹Indicators of hydric		-		
<u> </u>	90	= Total Cover		must be present, ur				•
Woody Vine Stratum (Plot size:)		22.0.					,	
1.				Hydrophytic				
2.				Vegetation	Yes	Х	No	
		= Total Cover		Present?				_
% Bare Ground in Herb Stratum 10		er of Biotic Crus	t					
Remarks:	<del>-</del>			L				
Sample plot meets dominance test and prevalence is	ndex for hydroph	vtic vegetation						
Sample plot mode dominano toot and provatorio		, 10g0iaii011i						

Profile Descr	iption: (Describe to	the depth ne	eded to document	the indicator	or confirm	the abse	ence of indicators.	)
Depth	Matrix			Redox Featur				
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture	Remarks
0-16	7.5YR 2.5/1	100					Sandy Loam	
16-18	10YR 4/1	98	7.5 YR 4/6	2	C	M	Sandy Loam	Very gravelly from 10-18+
¹Type: C= Co	ncentration, D= Dep	etion, RM=Re	duced Matrix, CS=C	overed or Coa	ated Sand G	irains.	²Loc	eation: PL=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators: (Applical	ole to all LRR	s, unless otherwise	e noted.)			Indicators for Pro	blematic Hydric Soils³:
Histos	ol (A1)		Sandy Redo	x (S5)			2 cm Muck	(A10)
Histic I	Epipedon (A2)		Stripped Ma	trix (S6)			Red Parent	: Material (TF2)
Black I	Histic (A3)		Loamy Muck	ky Mineral (F1)	(except ML	.RLA 1)	Very Shallo	w Dark Surface (TF12)
Hydrog	gen Sulfide (A4)		Loamy Gley	ed Matrix (F2)			Other (Expl	ain in Remarks)
	ed Below Dark Surfa	ce (A11)	Depleted Ma					
	Dark Surface (A12)		Redox Dark				•	drophytic vegetation and
	Mucky Mineral (S1)			rk Surface (F7	7)			ogy must be present,
Sandy	Gleyed Matrix (S4)		Redox Depre	essions (F8)			unless disturbe	ed or problematic.
Restrictive	Layer (if present):							
Type:			_					
Depth	(inches):		_				Hydric Soil Pres	sent? Yes X No
Remarks:								
Sample plot n	neets hydric soil indic	ator A12, thick	с аагк ѕипасе.					
HYDROLO	GY							
Wetland Hy	drology Indicators:							
Primary Indi	icators (minimum of o	one required; o	heck all that apply)				Secondary Indica	ators (2 or more required)
Surfac	e Water (A1)		Water-Staine	ed Leaves (B9	) (except		Water Stair	ned Leaves (B9) (MRLA 1, 2,
High V	Vater Tables (A2)		MRLA 1,	2, 4A, and 4B	)		4A, and	<b>4B</b> )
Satura	tion (A3)		Salt Crust (E	311)			Drainage P	atterns (B10)
— Water	Marks (B1)		Aquatic Inve	rtebrates (B13	3)		Dry-Seasor	n Water Table (C2)
Sedim	ent Deposits (B2)		Hydrogen Sı	ulfide Odor (C	1)		Saturation	Visible on Aeriel Imagery (C9)
Drift D	eposits (B3)		Oxidized Rh	izospheres alc	ong Living R	oots (C3)	X Geomorphi	c Position (D2)
Algal N	Mat or Crust (B4)		Presence of	Reduced Iron	(C4)		Shallow Aq	uitard (D3)
Iron De	eposits (B5)		Recent Iron	Reduction in T	Filled Soils (	C6)	X FAC-Neutra	al Test (D5)
Surfac	e Soil Cracks (B6)		Stunted or S	tressed Plants	s (D1) ( <b>LRR</b>	A)	Raised Ant	Mounds (D6) (LRR A)
Inunda	tion Visible on Aerie	Imagery (B	Other (Expla	in in Remarks	s)		Frost-Heav	e Hummocks (D7)
Sparsl	ey Vegetated Conca	ve Surface (B8	3)					
Field Obse	rvations:						-	
Surface Wa	ter Present? Yes	No _	X Depth (inche	es):				
Water Table	Present? Yes	No	X Depth (inche	es):				
Saturation F	Present? Yes	No	X Depth (inche	es):		Wetlan	d Hydrology Prese	ent? Yes X No
(includes ca	pillary fringe)							
Describe Rec	orded Date (stream g	auge, monitor	ing well, aerial photo	os, previous in	spections), i	if availab	le:	
Remarks:								
1	ocated in forested are	a No primary	indicators observed	roughly 6 fee	et from OHM	/M of Hvl	lehos Creek, Samol	e plot meets secondary hydrology
	FAC-Neutral Test (D			,		Si i iyi	eres or com oumpi	- F.Ecoto cocodai y fiyarology

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	e: 10/9/2019	)	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Poin	t: SP WFW	1-2	
Investigators: DANIELSKI, STORY			Section, Township,	Range: T21N R4E S2	1		
Landform (hillslope, terrace, etc.): Flat		Local Reli	ef (concave, convex,	none): None	Slo	pe(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2997	721 Long:	-122.304062	Datum: V	VGS84		
Soil Map Unit Name: Alderwood gravelly sandy	loam		NWI Classific	cation: PFO			
Are climatic / hydrologic conditions on the site typ	ical for this time of	year? Yes	. No X	(If No, explain in Rer	marks)		
Are Vegetation: Soil or Hydrology	significantly d	isturbed?	Are "Normal Circur	nstances" present?	Yes	X N	10
Are Vegetation: Soil or Hydrology	naturally prob			any answers in Remar	<i>'</i>		
SUMMARY OF FINDINGS - Attach a s	ite map showi	ng sampling	point locations	, transects, impo	rtant feat	ures, etc.	
Hydrophytic Vegetation Present? Yes _	X No						
Hydric Soil Present? Yes _	X No	Is the	Sampled Area				
Wetland Hydrology Present? Yes _	X No	withir	n a Wetland?	Yes X	<u> </u>	No	
Remarks:							
The preceding three months were wetter than nor evaluating hydrology. Located in depression adjact.	cent to East Fork H						
VEGETATION – Use scientific names			1 2 .	In	, , , ,		
Trace Otations (Districts For	Absolute	Dominant	Indicator	Dominance Test W			
<u>Tree Statum</u> (Plot size: 5m)	% Cover 40	Species? Yes	Status FACW	Number of Dominant	•	_	<b>( \ \ \</b>
Fraxinus latifolia     Alnus rubra	- <del>40</del>	Yes	- FACV	That Are OBL, FACV Total Number of Don	·	5	— <sup>(A)</sup>
3. Allius lubia		165		Species Across All S		5	(B)
4.	<del>-</del>			Percent of Dominant			— <sup>(D)</sup>
·	- <u></u> 55	= Total Cover		That Are OBL, FACV	•	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= 10tal 00vel		Prevalence Index w	•		
Acer circinatum	30	Yes	FAC	Total % Cover of:		Iltiply by:	
2. Rubus spectabilis	5	No	FAC	OBL species	30 x1:		
3.				FACW species	40 x2=		
4.	<u> </u>			FAC species	83 x3:	= 249	
5.				FACU species	x4=	= 0	
	35	= Total Cover		UPL species	x5=	= 0	
Herb Stratum (Plot size: 1m)				Column Totals:	153 (A)	359	— (B)
1. Ranunculus repens	30	Yes	FAC	_			
2. Carex obnupta	30	Yes	OBL	Prevalence Inde	x = B/A =	2.3	35
3. Urtica dioica	3	No	FAC	Hydrophytic Vegeta	ation Indicat	tors:	
4.				1 - Rapid Test	for Hydroph	ytic Vegetati	on
5				X 2 - Dominance	e Test is >50	%	
6.				X 3 - Prevalence	Index is ≤3.	.0 <sup>1</sup>	
7.				4 - Morphologi	cal Adaptati	ons¹ (Provide	Э
· · · · · · · · · · · · · · · · · · ·						a congrato o	sheet)
8.				data in Re	marks or on	•	
9.				data in Re	on-Vascular	Plants <sup>1</sup>	
8. 9. 10.				data in Re 5 - Wetland No Problematic H	on-Vascular ydrophytic V	Plants¹ egetation¹ (E	
8. 9. 10.				data in Re 5 - Wetland No Problematic H  Indicators of hydric	on-Vascular ydrophytic V soil and wetl	Plants <sup>1</sup> egetation <sup>1</sup> (E and hydrolog	ЭУ
8. 9. 10.	63	= Total Cover		data in Re 5 - Wetland No Problematic H	on-Vascular ydrophytic V soil and wetl	Plants <sup>1</sup> egetation <sup>1</sup> (E and hydrolog	ЭУ
8. 9. 10. 11. Woody Vine Stratum (Plot size:)	63	= Total Cover		data in Re 5 - Wetland No Problematic H Indicators of hydric s must be present, unle	on-Vascular ydrophytic V soil and wetl	Plants <sup>1</sup> egetation <sup>1</sup> (E and hydrolog	ЭУ
8. 9. 10. 11. Woody Vine Stratum (Plot size:) 1.	63	= Total Cover		data in Re 5 - Wetland No Problematic H Indicators of hydric s must be present, unle	on-Vascular ydrophytic V soil and wetl ess disturbe	Plants <sup>1</sup> egetation <sup>1</sup> (E and hydrolog d or problem	ЭУ
8. 9. 10. 11. Woody Vine Stratum (Plot size:) 1.	63			data in Re 5 - Wetland No Problematic H Indicators of hydric s must be present, unle Hydrophytic Vegetation	on-Vascular ydrophytic V soil and wetl ess disturbe	Plants <sup>1</sup> egetation <sup>1</sup> (E and hydrolog	ЭУ
8. 9. 10. 11.  Woody Vine Stratum (Plot size:) 1. 2. % Bare Ground in Herb Stratum 37		= Total Cover  = Total Cover  ver of Biotic Crust		data in Re 5 - Wetland No Problematic H Indicators of hydric s must be present, unle	on-Vascular ydrophytic V soil and wetl ess disturbe	Plants <sup>1</sup> egetation <sup>1</sup> (E and hydrolog d or problem	ЭУ

Profile Descr	iption: (Describe to	the depth nee	eded to document the i	indicator	or confirm	the abse	ence of indicators.	)		
Depth	Matrix		Red	ox Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type¹	Loc <sup>2</sup>	Texture		Remarks	3
0-22	10YR 2/1	100					Silt Loam			
22-24	2.5Y 4/2	95	2.5Y 4/4	5			Silty Clay Loam	Lots of col	bble/gravel	
								-		
<sup>1</sup> Type: C= Co	ncentration, D= Deple	etion, RM=Red	duced Matrix, CS=Cover	ed or Coa	ted Sand G	rains.	²Loc	ation: PL=F	Pore Lining, I	M=Matrix.
Hydric Soil Ir	ndicators: (Applicab	le to all LRRs	s, unless otherwise no	ted.)			Indicators for Pro	blematic H	ydric Soils³:	
Histos	ol (A1)		Sandy Redox (St	5)			2 cm Muck	(A10)		
Histic I	Epipedon (A2)		Stripped Matrix (	S6)			Red Parent	Material (TI	F2)	
Black I	Histic (A3)		Loamy Mucky Mi	neral (F1)	(except ML	RLA 1)	Very Shallo	w Dark Surf	ace (TF12)	
—— Hydro	gen Sulfide (A4)		Loamy Gleyed M	atrix (F2)			Other (Expl	ain in Rema	ırks)	
Deplet	ed Below Dark Surfac	e (A11)	Depleted Matrix (	(F3)			<u>—</u>			
X Thick I	Dark Surface (A12)		Redox Dark Surf	ace (F6)			<sup>3</sup> Indicators of hyd	drophytic ve	getation and	
Sandy	Mucky Mineral (S1)		Depleted Dark Si	urface (F7	)		wetland hydrol	ogy must be	present,	
Sandy	Gleyed Matrix (S4)		Redox Depression	ns (F8)			unless disturbe	ed or probler	natic.	
Restrictive	Layer (if present):									
Type:										
Depth	(inches):		-				Hydric Soil Pres	sent? Y	es X	No
Remarks:										
HYDROLO Wetland Hy	GY drology Indicators:									
•	cators (minimum of o	ne reauired: cl	heck all that apply)				Secondary Indica	ators (2 or m	nore reauired	<del>(</del> )
	e Water (A1)	1 / -	Water-Stained Le	eaves (B9)	(except				(B9) ( <b>MRLA</b>	
	Vater Tables (A2)		MRLA 1, 2, 4A	` '			4A, and		() (	-, -,
	tion (A3)		Salt Crust (B11)	,				atterns (B10	))	
—— Water	Marks (B1)		Aquatic Invertebr	ates (B13)	)			n Water Tab	•	
Sedim	ent Deposits (B2)		Hydrogen Sulfide	Odor (C1	)				eriel Imagery	(C9)
—— Drift D	eposits (B3)		Oxidized Rhizosp	heres alo	ng Living Ro	oots (C3)	X Geomorphi	c Position (E	02)	
Algal N	Mat or Crust (B4)		Presence of Red	uced Iron	(C4)		Shallow Aq	uitard (D3)		
Iron De	eposits (B5)		Recent Iron Redu	uction in T	illed Soils (0	C6)	X FAC-Neutra	al Test (D5)		
Surfac	e Soil Cracks (B6)		Stunted or Stress	sed Plants	(D1) ( <b>LRR</b>	<b>A</b> )	Raised Ant	Mounds (D6	6) ( <b>LRR A</b> )	
Inunda	tion Visible on Aeriel	lmagery (B	Other (Explain in	Remarks)	1		Frost-Heav	e Hummock	s (D7)	
Sparsl	ey Vegetated Concav	e Surface (B8	)							
Field Obse	rvations:									
	ter Present? Yes	No	X Depth (inches):							
Water Table	Present? Yes	No	X Depth (inches):							
Saturation F	Present? Yes	No	X Depth (inches):			Wetland	d Hydrology Prese	ent? Y	es X	_No
(includes ca	pillary fringe)									
Describe Rec	orded Date (stream ga	auge, monitori	ng well, aerial photos, p	revious ins	spections), i	f availabl	e:			
Remarks:										
No primary inc	dicators observed. Sa	mple plot mee	ts secondary hydrology	indicators	for FAC-Ne	eutral Tes	st (D5) and Geomor	phic Positio	n (D2).	

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	te: 10/9/2019	9		
Applicant/Owner: Sound Transit		_	State: WA	Sampling Point: SP WFW 1-3				
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S2	21			
Landform (hillslope, terrace, etc.): Hillslope		Local Rel	ief (concave, convex,	none): None	Slo	ope(%): 2		
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2999	92 Long	: -122.303947	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy lo	am		NWI Classific	cation: UPL				
Are climatic / hydrologic conditions on the site typic	al for this time of y	ear? Yes	s No_X	(If No, explain in Re	emarks)			
Are Vegetation: Soil or Hydrology _	significantly di	sturbed?	Are "Normal Circur	nstances" present?	Yes	X N	lo	
Are Vegetation: Soil or Hydrology _	naturally probl	ematic?	(If needed, explain	any answers in Rema	arks.)			
SUMMARY OF FINDINGS - Attach a sit	te map showir	ng sampling	point locations	, transects, impo	ortant feat	ures, etc.		
Hydrophytic Vegetation Present? Yes	No X							
Hydric Soil Present? Yes	resent? Yes No X Is the Samp							
Wetland Hydrology Present? Yes	No _X	withi	n a Wetland?	Yes		No X		
Remarks:								
Sample plot has 0 of 3 wetland criteria, is not locate however, site visit occurred at end of the dry seaso					were wetter th	nan normal;		
VEGETATION – Use scientific names of	of plants.							
	Absolute	Dominant	Indicator	Dominance Test V	Worksheet:			
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Dominar	nt Species			
1. Acer macrophyllum	35	Yes	FACU	That Are OBL, FAC	1	_ (A)		
2. Pseudotsuga menziesii	30	Yes	_ FACU	Total Number of Do	minant			
3				Species Across All		5	<b>—</b> (B)	
4				Percent of Dominar	•			
	65	= Total Cover	•	That Are OBL, FAC		20	(A/B)	
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index				
1. Rubus ursinus	40	Yes	_ FACU	Total % Cover of:	<u>Mı</u>	<u>ıltiply by:</u>		
2. Gaultheria shallon	30	Yes	_ FACU	OBL species	x1		_	
3. Acer circinatum	25	Yes	_ FAC	FACW species	x2		_	
4. Rubus spectabilis	10	No	FAC	FAC species	35 x3		_	
5. Acer macrophyllum	10	No	FACU	FACU species	145x4 		_	
	115	= Total Cover	•	UPL species	x5		<b>–</b> "	
Herb Stratum (Plot size: 1m)				Column Totals:	180 (A)	685	<b>—</b> <sup>(B)</sup>	
1				Prevalence Inde	au D/4	0.0		
2. 3.				Hydrophytic Veget		3.8	) [	
4.				1 - Rapid Tes			on	
5.				2 - Dominano			OH	
6.				3 - Prevalence				
7.				4 - Morpholog			j	
8.					emarks or on	· ·		
9.				5 - Wetland N		•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
10.			_	Problematic I			xplain)	
11.				¹Indicators of hydric				
<u> </u>		= Total Cover		must be present, ur			•	
Woody Vine Stratum (Plot size: )						- 1		
1.				Hydrophytic				
2.		-	_	Vegetation	Yes	No X		
		= Total Cover		Present?		_	_	
% Bare Ground in Herb Stratum 60		er of Biotic Crus	t					
Remarks:				1				
Sample plot does not meet dominance test or preva	alence index for h	drophytic veaet	ation.					
			<del></del>					

Profile Descr	ription: (Describe to	the depth ne	eded 1	to document the	indicator o	or confirm	the abse	ence of indicators.)					
Depth	Matrix	(		Red	ox Feature	s							
(inches)	Color (moist)	%		Color (moist)	%	Type¹	Loc²	Texture		Rem	narks		
0-8	10YR 3/3	100						Silt Loam					
8-18	10YR 4/4	100						Silt Loam					
¹Type: C= Co	oncentration, D= Dep	oletion, RM=Re	duced	Matrix, CS=Cove	red or Coat	ted Sand G	rains.	²Locat	tion: PL	.=Pore Lini	ng, M=Mat	rix.	
Hydric Soil Ir	ndicators: (Applica	ble to all LRR	s, unl	ess otherwise no	ted.)			Indicators for Probl	lematic	Hydric So	ils³:		
Histos	ol (A1)			_Sandy Redox (S	5)			2 cm Muck (A	<del>\</del> 10)				
	Epipedon (A2)			Stripped Matrix (	,			Red Parent M		` '			
	Histic (A3)			Loamy Mucky Mineral (F1) (except MLRLA 1) Very Shallow Dark Surface (TF12)							12)		
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)						Other (Explai	n in Rer	marks)					
	ed Below Dark Surf	ace (A11)		Depleted Matrix									
Thick Dark Surface (A12)  Redox Dark Surface (F6)							<sup>3</sup> Indicators of hydro		•				
Sandy Mucky Mineral (S1)  Depleted Dark Surface (F7)  Depleted Dark Surface (F7)							wetland hydrolog			•			
Sandy Gleyed Matrix (S4)  Redox Depressions (F8)							unless disturbed	or prob	iematic.				
	Layer (if present):												
Type:			_							.,			
Depth	(inches):		_					Hydric Soil Prese	nt?	Yes	No	X	
HYDROLO	)GY												
Wetland Hy	drology Indicators	:											
Primary Ind	icators (minimum of	one required; o	heck a	all that apply)				Secondary Indicate	ors (2 oı	r more requ	uired)		
Surfac	e Water (A1)	<u> </u>		Water-Stained Le	eaves (B9)	(except		Water Staine	d Leave	es (B9) ( <b>MF</b>	LA 1, 2,	-	
High V	Vater Tables (A2)			- MRLA 1, 2, 4	A, and 4B)			4A, and 4B)					
Satura	ition (A3)			Salt Crust (B11)				Drainage Patterns (B10)					
Water	Marks (B1)			Aquatic Inverteb	rates (B13)			Dry-Season Water Table (C2)					
Sedim	ent Deposits (B2)			_ Hydrogen Sulfide	Odor (C1)	)		Saturation Visible on Aeriel Imagery (C9)					
Drift D	eposits (B3)			Oxidized Rhizos	oheres alor	ng Living Ro	oots (C3)	Geomorphic	Position	(D2)			
	Mat or Crust (B4)			Presence of Red	`	'		Shallow Aqui					
	eposits (B5)			Recent Iron Red		,		FAC-Neutral					
	e Soil Cracks (B6)			Stunted or Stress		(D1) ( <b>LRR</b> .	<b>A</b> )	Raised Ant M	,	. , ,	<b>A</b> )		
	ation Visible on Aerie		.,—	Other (Explain in	Remarks)			Frost-Heave	Hummo	cks (D7)			
	ey Vegetated Conca	eve Surrace (Ba	5)										
Field Obse			v	D :: ('   )									
	ter Present? Yes		X	Depth (inches):									
Water Table Saturation F			X	Depth (inches):			Wetler	d Uvdvolovy Drocon		Vaa	Na	v	
	Present? Yes apillary fringe)	No _	X	Depth (inches):			wellan	d Hydrology Presen	l?	Yes	No	<u> </u>	
Describe Rec	orded Date (stream	gauge, monitor	ing we	ell, aerial photos, p	revious ins	spections), r	t availabi	le:					
Remarks:													
No primary or	secondary indicator	s observed, dry	/ to 18	·									

Project/Site:	Sound Transit O	MFS		_ City/County:	Federal Way, King	Sampling Date	: 10/9/2	.019		
Applicant/Owner:	Sound Trar	nsit		_	State: WA	Sampling Poin	t: SP WI	FW 1-4	1	
nvestigators:	Danielski				Section, Township,	Range: T21N R4E S21	ı <u> </u>			
- andform (hillslop.	oe, terrace, etc.):	: Depression		Local Rel	ief (concave, convex,	none): Concave		Slope	(%): 0	
Subregion (LRR):	: <b>A</b>		Lat: 47.2992	_ 90 Long:	: -122.304367	Datum: W	/GS84			
Soil Map Unit Nar	me: Alderwood	gravelly sandy loan	 n		NWI Classifi	cation: PEM1				
Are climatic / hydi	rologic conditions	s on the site typical	for this time of	year? Yes	s No X	(If No, explain in Rem	narks)			
Are Vegetation:	Soil	or Hydrology	significantly di		Are "Normal Circur	nstances" present?	Yes	Х		10
Are Vegetation:	Soil	or Hydrology	naturally probl	ematic?		any answers in Remarl	ks.)			
-	F FINDINGS	- Attach a site	-		• • •	, transects, impo	•	eatur	es. etc.	
Hydrophytic Vege		Yes X	No	1	, ,	,				
Hydric Soil Prese		Yes X	- No	Is the	e Sampled Area					
Netland Hydrolog		Yes X	- No		n a Wetland?	Yes X			No	
					Tra Wellana.	<u></u>				
Remarks:										
					preceding three mon en evaluating hydrolog	ths were wetter than no	ormal; ho	wever	, site visit	
occurred at end o	i tile dry season	i so dry season con	ailions were still	considered wife	en evaluating nyurolog	gy.				
/=0== 1 <b>=</b> 101										
VEGETATION	N – Use scier	ntific names of	•							
			Absolute	Dominant	Indicator	Dominance Test W				
Tree Statum	(Plot size: 5m)		% Cover	Species?	Status	Number of Dominant				
l					_	That Are OBL, FACW	I, or FAC	): _	2	(A)
<u> </u>						Total Number of Dom	ninant			
3.						Species Across All S	trata:	_	2	(B)
1						Percent of Dominant	Species			
				= Total Cover	•	That Are OBL, FACW	√, or FAC	<b>)</b> :	100	(A/B)
Sapling/Shrub Str	ratum (Plot :	size: 3m)				Prevalence Index w	orkshee	t:		
I. Salix lasiand	dra		2	Yes	FACW	Total % Cover of:		Multip	ly by:	
<u></u>		_			_	OBL species		x1=		
3.					_	FACW species	92	x2= _	184	
1.						FAC species	25	x3= _	75	_
5.					_	FACU species		x4=	0	
			2	= Total Cover		UPL species		x5= _	0	_
Herb Stratum	(Plot size: 1m)					Column Totals:	117	(A) _	259	— (B)
I. Phalaris aru	ndinacea		90	Yes	FACW	_		_		_
2. Athyrium cyc	closorum		10	No	FAC	Prevalence Index	ς = B/A=		2.2	21
3. Ranunculus	repens		5	No	FAC	Hydrophytic Vegeta	tion Ind	icators	 3:	
Solanum du	lcamara		5	No	FAC	1 - Rapid Test	for Hydr	ophytic	: Vegetati	.on
5. Urtica dioica	l		5	No	FAC	X 2 - Dominance	Test is :	>50%		
 6.					_	X 3 - Prevalence	Index is	≤3.01		
7.					_	4 - Morphologic	cal Adap	tations	¹ (Provide	Э
 3.					_	data in Re				
). ————————————————————————————————————					_	5 - Wetland No	n-Vascu	ılar Pla	nts¹	,
10.					_	Problematic Hy				Explain)
11.					_	<sup>1</sup> Indicators of hydric s		_		
		_	115	= Total Cover	<del>.</del> —	must be present, unle				
Woodv Vine Strat	:um (Plot size:)	)							p. co.co.co.co.co.co.co.co.co.co.co.co.co.c	
	(* ************************************	,				Hydrophytic				
· · · · · · · · · · · · · · · · · · ·		-				Vegetation	Yes	ΧΝ	do.	
				= Total Cover		Present?	. 55		_	_
% Bare Ground in	Herh Stratum	0	% Cov	er of Biotic Crus		110001111				
	IOID GII atuili	<u> </u>		. or blotte ords						
Remarks:		st and prevalence in				· I				

	iption: (Describe t	o the depth ne	eded to document the i	ndicator o	or confirm	the abse	nce of indicators.)	!			
Depth	Matri			ox Feature							
(inches)	Color (moist)	%	Color (moist)	<u></u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Re	marks	;
0-11	7.5 YR 2/2	100					Sandy Loam				
11-20	7.5 YR 2/2	95	5YR 4/6	5	C	M	Sandy Loam	Gravel	lly		
							-				
- ''		· · · · · · · · · · · · · · · · · · ·	educed Matrix, CS=Cover		ted Sand G				L=Pore Li		
-		able to all LRR	s, unless otherwise not				Indicators for Pro		c Hydric S	3oils³:	
—— Histoso			Sandy Redox (S5	•			2 cm Muck				
	Epipedon (A2)		Stripped Matrix (S	•			Red Parent				
	Histic (A3)		Loamy Mucky Mir		(except ML	RLA 1)	Very Shallo		•	F12)	
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)							X Other (Expl	ain in Re	emarks)		
	ed Below Dark Surf	ace (A11)	Depleted Matrix (				3lasliastava of bura	مالد بما مرسا			
Thick Dark Surface (A12)  Sandy Mucky Mineral (S1)  Redox Dark Surface (F6)  Depleted Dark Surface (F7)							<sup>3</sup> Indicators of hydrole		•		
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Redox Depressions (F8)							wetland hydrolo unless disturbe			111,	
				113 (1 0)			uriless disturbe		Diematic.		
	Layer (if present):										
Type:	(inches):		_				Hydric Soil Pres	ont?	Yes	Х	No
Remarks:	(IIICHES).		_				Tryunc 3011 Fres	ent:		$\stackrel{\sim}{=}$	
growing seaso	on, and therefore hy	dric soils presu	M of East Fork Hylebos C imed to exist.	Creek, soil	is likely sea	asonally f	looded for 14 or mo	re conse	ecutive da	ys duri	ing the
Wetland Hy	drology Indicators	<b>:</b> :									
Primary Indi	cators (minimum of	one required;	check all that apply)				Secondary Indica	itors (2 d	or more re	quired	1)
	e Water (A1)		Water-Stained Le	` '	•		Water Stain	ed Leav	res (B9) ( <b>N</b>	IRLA	1, 2,
<u> </u>	/ater Tables (A2)		MRLA 1, 2, 4A	, and 4B)			<b>4A</b> , and <b>4B</b> )				
	tion (A3)		Salt Crust (B11)				Drainage Patterns (B10)				
	Marks (B1)		Aquatic Invertebra	, ,			Dry-Season				(00)
	ent Deposits (B2)		—— Hydrogen Sulfide	,	•	nata (C2)	Saturation \			nagery	(09)
	eposits (B3) Mat or Crust (B4)		Oxidized Rhizosp Presence of Redu			00is (C3)	X Geomorphic Shallow Aqu		. ,		
l —	eposits (B5)		Recent Iron Redu			C6)	X FAC-Neutra				
	e Soil Cracks (B6)		Stunted or Stress		,	,	Raised Ant			RA)	
	tion Visible on Aerie	el Imagery (B	Other (Explain in			/	Frost-Heave			,	
	ey Vegetated Conca			,				-	(,		
Field Obser	vations:	· ·									
Surface Wat		No	X Depth (inches):								
Water Table	Present? Yes	No	X Depth (inches):								
Saturation P	resent? Yes	No No	X Depth (inches):			Wetland	d Hydrology Prese	nt?	Yes	X	No
(includes ca	pillary fringe)								_		
Describe Reco	orded Date (stream	gauge, monito	ring well, aerial photos, pr	revious ins	spections), i	f available	e:				
Remarks:											
			condary indicators Geomo peginning of water year, b					esent. B	elow OHV	VM of I	Hylebos
Subsequent vi	isit on 10/18 showe	d sample plot u	nder several inches of wa	ater. <b>I</b> s like	ely seasona	lly ponde	d.				

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ite: 10/9/2019	)	
Applicant/Owner: Sound Transit			State: WA	Sampling Po	int: SP WFW	1-5	
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S	21		
_andform (hillslope, terrace, etc.): Hillslope		Local Relie	ef (concave, convex,	none): None	Slo	pe(%): 3	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.299		-122.304420	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy lo	pam ———		NWI Classific	cation: UPL			
Are climatic / hydrologic conditions on the site typic	cal for this time of	year? Yes	No X	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrology	significantly o	listurbed?	Are "Normal Circun	– nstances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrology	naturally prob	lematic?	(If needed, explain	any answers in Rema	arks.)		
SUMMARY OF FINDINGS - Attach a si	te map show	ing sampling	point locations	, transects, imp	ortant feat	ures, etc.	
Hydrophytic Vegetation Present? Yes	No X						
Hydric Soil Present? Yes	No X	Is the	Sampled Area				
Wetland Hydrology Present? Yes	No X	within	a Wetland?	Yes		No X	
Remarks:				<u>.</u>			
Slightly upslope from wetland boundary and chann for WFW-1 The preceding three months were wetten considered when evaluating hydrology.	er than normal; ho						
VEGETATION – Use scientific names	<del>-</del>			1= . =			
	Absolute	Dominant	Indicator	Dominance Test			
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•		(
1. Thuja plicata	30	Yes	FAC	That Are OBL, FAC	,	3	_ <sup>(A)</sup>
2. Pseudotsuga menziesii	<u>20</u> 15	Yes Yes	. FACU FAC	Total Number of Do		0	(D)
3. Alnus rubra	10	No No	FACU	Species Across All Percent of Domina		6	— <sup>(B)</sup>
4. Prunus emarginata	75	= Total Cover	· — FACU	That Are OBL, FAC	•	50	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= Total Cover		Prevalence Index			(A/D)
1. Rubus ursinus	60	Yes	FACU	Total % Cover of:		ultiply by:	
2. Acer circinatum	20	Yes	FACO	OBL species	<u>.wiu</u> x1=	ıltiply by: -	
3. Sambucus racemosa	7	No	FACU	FACW species	X1= x2=		_
4. Oemleria cerasiformis	5	No	FACU	FAC species	65 x3=		_
5.		110	. — 1700	FACU species	132 x4=		_
	92	= Total Cover	·	UPL species	x5=		_
Herb Stratum (Plot size: 1m)		- 10tai 0010i		Column Totals:	197 (A)		— (B)
Polystichum munitum	30	Yes	FACU	· ·	(/,/		<b>—</b> (-)
2.				Prevalence Ind	lex = B/A=	3.6	67
3.				Hydrophytic Vege			
4.					st for Hydroph		on
5.				2 - Dominano	ce Test is >50	%	
<u> </u>				3 - Prevalenc	ce Index is ≤3.	.0¹	
7.				4 - Morpholo	gical Adaptation	ons¹ (Provide	e
3.				data in F	Remarks or on	a separate s	sheet)
·				5 - Wetland I	Non-Vascular	Plants <sup>1</sup>	
9.					Hvdrophytic V	egetation1 (E	xplain)
9. 10.				Problematic	) · -   · ) · ·		Jy
			· <u></u>	<sup>1</sup> Indicators of hydric		and hydrolog	
10.	30	= Total Cover	·		soil and wetl		atic.
10.	30	= Total Cover		<sup>1</sup> Indicators of hydrid	soil and wetl		atic.
11.	30	= Total Cover		<sup>1</sup> Indicators of hydrid	soil and wetl		atic.
Moody Vine Stratum (Plot size: )	30	= Total Cover		<sup>1</sup> Indicators of hydric must be present, un	soil and wetl		
Moody Vine Stratum (Plot size: )  1.	30	= Total Cover		¹Indicators of hydric must be present, un Hydrophytic	c soil and wetl	d or problem	

Profile Desci	ription: (Describ	e to the depth ne	eded	to document the	indicator o	or confirm	the abse	ence of indicators.)					
Depth	Ma	atrix		Red	ox Feature	s							
(inches)	Color (moist)	%		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remar	·ks		
0-18	7.5YR 3/3	100						Silt Loam					
¹Type: C= Co	oncentration, D= I	Depletion, RM=Re	duced	Matrix, CS=Cove	red or Coat	ted Sand G	rains.	²Loca <sup>†</sup>	tion: PL	=Pore Lining	, M=Matr	ix.	
Hydric Soil I	ndicators: (App	licable to all LRR	s, unl	ess otherwise no	ted.)			Indicators for Prob	lematic	Hydric Soils	3³:		
	sol (A1)			_ Sandy Redox (S	5)			2 cm Muck (A	<del>1</del> 10)				
Histic Epipedon (A2) Stripped Matrix (S6)								Red Parent N	,	,			
	Histic (A3)			_ Loamy Mucky Mi		(except ML	RLA 1)	Very Shallow		•	)		
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)							Other (Explai	n in Ren	narks)				
	ted Below Dark S	7		_ Depleted Matrix									
Thick Dark Surface (A12)  Redox Dark Surface (F6)							<sup>3</sup> Indicators of hydro		•	ıd			
Sandy Mucky Mineral (S1)  Depleted Dark Surface (F7)							wetland hydrolog		•				
Sandy Gleyed Matrix (S4) Redox Depressions (F8)							unless disturbed	or probl	ematic.				
	Layer (if preser	it):											
Type:			_										
Depth	(inches):		_					Hydric Soil Prese	nt?	Yes	No	X	
	acks indicators of	•											
HYDROLC	OGY												
Wetland Hy	ydrology Indicat	ors:											
Primary Ind	licators (minimum	of one required; of	check	all that apply)				Secondary Indicat	ors (2 or	more requir	ed)	_	
	ce Water (A1)			Water-Stained Le	eaves (B9)	(except		Water Staine		s (B9) ( <b>MRL</b>	A 1, 2,		
l —	Water Tables (A2)			MRLA 1, 2, 4				4A, and 4B)					
	ation (A3)			_ Salt Crust (B11)				Drainage Patterns (B10)					
	Marks (B1)			_ Aquatic Inverteb	, ,			Dry-Season Water Table (C2)					
	nent Deposits (B2	)		_ Hydrogen Sulfide			. (00)	Saturation Visible on Aeriel Imagery (C9)					
	Deposits (B3)			Oxidized Rhizos		-	oots (C3)						
	Mat or Crust (B4)			Presence of Red	·	'	20)	Shallow Aqui					
	eposits (B5)	2)		Recent Iron Red		,		FAC-Neutral					
	ce Soil Cracks (Be ation Visible on A			Stunted or Stress Other (Explain in		(DI) ( <b>LNN</b> .	<b>A</b> )	Raised Ant M					
		ncave Surface (B		_ Other (Explain in	i nemarks)			—— Flost-neave	Пипппос	CKS (D7)			
Field Obse		Ticave Guriace (Be											
		'es No	Х	Depth (inches):									
Water Table		es — No - 'es No	X	Depth (inches):									
Saturation I		es No	$\frac{\lambda}{X}$	Depth (inches):			Wetlan	d Hydrology Presen	ıt?	Yes	No	X	
	apillary fringe)	· - · ·		- Dopur (monoc):			Wouldern	a riyarology r rocon			—"		
		am gauga manitar	ina w	ell, aerial photos, p	rovious inc	nootiona\ i	f availabl	lo:					
Describe nec	orded Date (Stree	im gauge, monitor	ing we	iii, aeriai priotos, p	nevious iris	spections), i	i avallabl	i <del>c</del> .					
Remarks:													
No primary or	r secondary wetla	nd hydrology indic	ators	observed.									

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	e: 10/9/2019		
Applicant/Owner: Sound Transit		State: WA		Sampling Point: SP WFW 1-6			
Investigators: DANIELSKI, STORY			Section, Township,	Range: T21N R4E S2	1		
Landform (hillslope, terrace, etc.): Flat		Local Reli	ef (concave, convex,	none): None	Slope	e(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.296	<u>—</u> 963 Long:	-122.304909	Datum: V	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy loa	am		NWI Classific	cation: PFO			
Are climatic / hydrologic conditions on the site typic	al for this time of	year? Yes	No X	(If No, explain in Re	marks)		
Are Vegetation: Soil or Hydrology	significantly of	disturbed?	Are "Normal Circur	nstances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrology	naturally prol	olematic?	(If needed, explain	any answers in Rema	rks.)		
<b>SUMMARY OF FINDINGS - Attach a sit</b>	e map show	ing sampling	point locations	, transects, impo	rtant featui	res, etc.	
Hydrophytic Vegetation Present? Yes	( No						
Hydric Soil Present? Yes	( No	Is the	Sampled Area				
Wetland Hydrology Present? Yes	( No	withir	n a Wetland?	Yes >	<u> </u>	No	
Remarks:							
The preceding three months were wetter than norm evaluating hydrology. Sample plot meets 3 of 3 wet	land criteria, is lo		end of the dry seaso	n so dry season condit	ions were still o	considered	when
VEGETATION – Use scientific names of				1			
T 0: (PL . :	Absolute	Dominant	Indicator	Dominance Test W			
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Dominan	•	_	(A)
<ol> <li>Populus balsamifera</li> <li>Salix scouleriana</li> </ol>	<u>20</u> 5	Yes Yes	FAC FAC	That Are OBL, FACN	•	5	_ <sup>(A)</sup>
3.			- — FAC	Species Across All S		5	(B)
4.			_	Percent of Dominant	-		<b>—</b> (D)
	25	= Total Cover	_	That Are OBL, FAC	•	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= 10tal 00vel		Prevalence Index w	<u> </u>	100	
Rubus armeniacus	12	Yes	FAC	Total % Cover of:		ply by:	
Acer circinatum	5	Yes	FAC	OBL species	x1=	<del>,, -</del>	
3. Crataegus monogyna	3	No	FAC	FACW species	x2=	0	_
4.				FAC species	97 x3=	291	_
5.				FACU species	x4=	0	_
	20	= Total Cover		UPL species	x5=	0	_
Herb Stratum (Plot size: 1m)				Column Totals:	97 (A)	291	— (B)
Agrostis stolonifera	40	Yes	FAC	_			_
2. Ranunculus repens	10	No	FAC	Prevalence Inde	x = B/A =	3.0	0
3. Solanum dulcamara	2	No	FAC	Hydrophytic Vegeta	ation Indicato	rs:	
4.				1 - Rapid Test	t for Hydrophyti	ic Vegetati	on
5.				X 2 - Dominance	e Test is >50%		
6.				X 3 - Prevalence	e Index is ≤3.0¹		
7				4 - Morpholog	ical Adaptation	s¹ (Provide	)
8.				data in Re	emarks or on a	separate s	sheet)
9			_	<del></del>	on-Vascular Pl		
10				<del></del>	lydrophytic Veg		
11.				<sup>1</sup> Indicators of hydric			
Managha Vina Otorto (Di et i	52	= Total Cover		must be present, un	less disturbed o	or problem	atic.
Woody Vine Stratum (Plot size:)							
1.			_	Hydrophytic	V V	NI.	
2		Total Cours		Vegetation	Yes X		_
9/ Rara Ground in Harb Stratum 49		= Total Cover	•	Present?			
% Bare Ground in Herb Stratum 48	<u> </u>	ver of Biotic Crust	·	1			
Remarks:							
Sample plot meets dominance test and prevalence	index for hydrop	nytic vegetation.					

			eded to document the			the abse	ence of indicators.	)			
Depth		atrix		lox Feature							
(inches)	Color (moist)	%	Color (moist)	<u> %</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks			
0-18	10YR 2/1	93	10YR 3/4	7	C	M	Silt Loam	Lot of gravel in profile starting at 14			
	-										
¹Type: C= Co	oncentration, D= D	Depletion, RM=Re	duced Matrix, CS=Cove	red or Coa	ted Sand G	rains.	²Loc	cation: PL=Pore Lining, M=Matrix.			
Hydric Soil I	ndicators: (Appl	icable to all LRR	s, unless otherwise no	ted.)			Indicators for Pro	blematic Hydric Soils³:			
	sol (A1)		Sandy Redox (S	-			2 cm Muck				
	Epipedon (A2)		Stripped Matrix (					t Material (TF2)			
	Histic (A3)		Loamy Mucky M		(except ML	.RLA 1)		ow Dark Surface (TF12)			
	gen Sulfide (A4)		Loamy Gleyed N	, ,			Other (Exp	lain in Remarks)			
	ted Below Dark Su		Depleted Matrix								
Thick Dark Surface (A12)  X Redox Dark Surface (F6)							•	drophytic vegetation and			
Sandy Mucky Mineral (S1)  Depleted Dark Surface (F7)							-	ogy must be present,			
	/ Gleyed Matrix (S		Redox Depression	ons (F8)			uniess disturbe	ed or problematic.			
	Layer (if presen	t):									
Type:			_								
Depth	(inches):		_				Hydric Soil Pre	sent? Yes <u>X</u> No			
Remarks:											
Sample plot r	neets hydric soil ir	ndicator F6, Redo	x Dark Surface.								
LIVEROLO	NOV										
HYDROLO											
	ydrology Indicato						0 ' ' '				
l	·	of one requirea; of	theck all that apply)	(D0)	. / 1			ators (2 or more required)			
	ce Water (A1)		Water-Stained L	` ′	•			ned Leaves (B9) (MRLA 1, 2,			
l —	Water Tables (A2) ation (A3)		MRLA 1, 2, 4, Salt Crust (B11)	,			4A, and 4B)				
	Marks (B1)		Aquatic Inverteb		١		Drainage Patterns (B10)				
	nent Deposits (B2)		Hydrogen Sulfide	` '	•		Dry-Season Water Table (C2)				
	ent Deposits (B2) Deposits (B3)		Oxidized Rhizos	•	•	oots (C3)	Saturation Visible on Aeriel Imagery (C9)				
	Mat or Crust (B4)		Presence of Rec	•	0	0015 (03)	C3) X Geomorphic Position (D2) Shallow Aquitard (D3)				
	reposits (B5)		Recent Iron Red			36)		al Test (D5)			
	ce Soil Cracks (B6	;)	Stunted or Stres		,	,		Mounds (D6) (LRR A)			
	ation Visible on Ae		Other (Explain in		, , ,	Α,		e Hummocks (D7)			
	ley Vegetated Cor				,						
Field Obse		(	·/			Ι					
		es No	X Depth (inches):								
Water Table		es No	X Depth (inches):								
Saturation		es No	X Depth (inches):			Wetlan	d Hydrology Pres	ent? Yes X No			
	apillary fringe)			-			, o g,				
		m gauga manitar	ing well, aerial photos, p	rovious inc	anostions) i	f ovailabl	lo:				
Describe nec	orded Date (Strea	in gauge, monitor	ing well, aerial priolos, p	nevious iris	spections), i	ii avaiiabi	ie.				
Remarks:											
			water marks on nearby n the area near the sam		secondary i	indicators	s for water stained I	eaves and geomorphic position. A			
SILE VISIL OIL I	o, to had o mones	or surface water i	n me area near me sam	pie piut.							

Project/Site: Sound Transit OMFS		_ City/County:	Federal Way, King	Sampling Date	e: <u>10/9/20</u>	)19			
Applicant/Owner: Sound Transit			State: WA	Sampling Point: SP WFW 1-7					
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S21	1				
Landform (hillslope, terrace, etc.): Hillslope		Local Reli	ef (concave, convex,	none): Convex	;	Slope(%	s): <u>40</u>		
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2969	70 Long:	-122.304825	Datum: W	/GS84				
Soil Map Unit Name: Alderwood gravelly sandy	loam		NWI Classific	cation: UPL					
Are climatic / hydrologic conditions on the site typ	oical for this time of	year? Yes	S NoX	(If No, explain in Ren	narks)				
Are Vegetation: SoilX or Hydrology	significantly di	sturbed?	Are "Normal Circur	nstances" present?	Yes_	Х	N	٥	
Are Vegetation: Soil or Hydrology			, ,	any answers in Remar	,				
SUMMARY OF FINDINGS - Attach a s	site map showi	ng sampling	point locations	, transects, impo	rtant fe	atures	s, etc.		
Hydrophytic Vegetation Present? Yes _	No X								
Hydric Soil Present? Yes	No X	Is the	Sampled Area						
Wetland Hydrology Present? Yes _	No _X	withir	n a Wetland?	Yes _			No X		
Remarks:									
Sample plot meets 0 of 3 wetland criteria, is not lo however, site visit occurred at end of the dry seas	son so dry season c								
VEGETATION – Use scientific names	<b>.</b>			T					
	Absolute	Dominant	Indicator	Dominance Test W		:			
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status Status	Number of Dominant	'				
1.				That Are OBL, FACV		:	1	— <sup>(A)</sup>	
2.				Total Number of Don			0	(D)	
3.				Species Across All S			2	_ <sup>(B)</sup>	
4		Total Cayor		Percent of Dominant	•		ΕO	( <b>A</b> / <b>D</b> )	
Conding (Clay) b Chrotium (Dist sing) Ore)		= Total Cover		That Are OBL, FACV Prevalence Index w			50	(A/B)	
Sapling/Shrub Stratum (Plot size: 3m)	70	Voo	FAC				b		
1. Rubus armeniacus		Yes	_ <u>FAC</u>	Total % Cover of:		Multiply	<u>by:</u>		
2.				OBL species _		x1=		_	
3.				FACW species		x2= —	0	_	
4 5.				FAC species		×3=	210 80	_	
5. <u> </u>	70	= Total Cover		FACU species UPL species		×4= ×5=	0	_	
Herb Stratum (Plot size: 1m)		= Total Cover		Column Totals:		(A) —	290	— <sub>(B)</sub>	
Polystichum munitum	20	Yes	FACU	- Column Totals.		· —	230	<b>—</b> (D)	
2.				Prevalence Index	x – B/A–		3.2	2	
3.				Hydrophytic Vegeta		cators:			
4.				1 - Rapid Test			/egetatio	n	
5.				2 - Dominance			ogotani		
6.				3 - Prevalence					
7.				4 - Morphologi			Provide	,	
8.				data in Re					
9.				5 - Wetland No				,	
10.				Problematic Hy	ydrophytic	. Vegeta	ation¹ (E	xplain)	
						-			
11.				¹Indicators of hydric s	soil and w	etiana r	i y ui o io u	•	
11.		= Total Cover		<sup>1</sup> Indicators of hydric s must be present, unle			-	atic.	
	20	= Total Cover		¹Indicators of hydric s must be present, unle			-	atic.	
Woody Vine Stratum (Plot size:)	20	= Total Cover					-	atic.	
Woody Vine Stratum (Plot size: ) 1.	20	= Total Cover		must be present, unle			problema		
11. Woody Vine Stratum (Plot size:) 1	20	= Total Cover		must be present, unle	ess disturl	bed or p	problema		
Woody Vine Stratum (Plot size: ) 1.				must be present, unle	ess disturl	bed or p	problema		

SOIL Sampling Point: SP WFW 1-7

	•	-	eded t				the abse	ence of indicators.)			
Depth		atrix			ox Feature				_		
(inches)	Color (moist)	%		Color (moist)	<u></u> %	Type <sup>1</sup>	Loc²	Texture	R	emarks	
				Matrix, CS=Cover		ted Sand G			on: PL=Pore L		atrix.
-		icable to all LRF	is, unle	ess otherwise not				Indicators for Proble		Soils <sup>3</sup> :	
	ol (A1)			Sandy Redox (St	-			2 cm Muck (A	•		
	Epipedon (A2)			Stripped Matrix (S	,		D. A. 4)	Red Parent M	, ,	TE ( 0 )	
	Histic (A3)			Loamy Mucky Mi		(except ML	RLA 1)		Dark Surface (	IF12)	
	gen Sulfide (A4)			Loamy Gleyed M				Other (Explain	ı in Hemarks)		
l —	ted Below Dark Si Dark Surface (A1:			Depleted Matrix (				<sup>3</sup> Indicators of hydro	nhutia vagatati	an and	
	Mucky Mineral (S			Redox Dark Surfa Depleted Dark Su				wetland hydrolog			
	Gleyed Matrix (S			Redox Depression				unless disturbed	•	ent,	
		·		uniess disturbed	- problematic.						
	Layer (if presen	ι).									
Type:	(inches):		_					Hydric Soil Presei	nt? Yes	No	Х
Берит	(ITICHES).		_					Tiyunc Son Fresei	<u></u>		
	ydrology Indicate										
	icators (minimum	of one required;	check a	ll that apply)				Secondary Indicato			_
	ce Water (A1)			Water-Stained Le	` '	(except			Leaves (B9) (	MRLA 1, 2,	
l —	Vater Tables (A2)			MRLA 1, 2, 4A	A, and 4B)			4A, and 4B	′		
	ation (A3)			Salt Crust (B11)	. (= (=)			Drainage Patt	, ,	.,	
	Marks (B1)			Aquatic Invertebr	,				Vater Table (C2	•	
	ient Deposits (B2) Jeposits (B3)			Hydrogen Sulfide Oxidized Rhizosp			note (C2)		ible on Aeriel II	magery (C9)	
	Mat or Crust (B4)			Presence of Red		-	oois (C3)	Shallow Aquit			
	eposits (B5)			Recent Iron Redu			26)	FAC-Neutral			
	ce Soil Cracks (B6	;)		Stunted or Stress		•	,		ounds (D6) ( <b>LR</b>	RRA)	
	ation Visible on A			Other (Explain in		( ) (	/		Hummocks (D7		
	ley Vegetated Cor	• • •	8)		,					,	
Field Obse	rvations:						T				
Surface Wa	iter Present? Y	es No	Х	Depth (inches):							
Water Table	e Present? Y	es No	Х	Depth (inches):							
Saturation I	Present? Y	es No	Х	Depth (inches):			Wetland	d Hydrology Present	? Yes	No	X
(includes ca	apillary fringe)								-		
Describe Rec	orded Date (strea	m gauge, monito	ring we	ll, aerial photos, p	revious ins	pections), i	f availabl	e:			
Remarks:											
No primary or	secondary hydro	logy indicators ob	served								

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ate: 10/10/2019	9			
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	Sampling Point: SP WFW 1-8				
Investigators: STORY, PACE			Section, Township,	<del></del> Range: T21N R4E S	21				
Landform (hillslope, terrace, etc.): Flat		Local Reli	ef (concave, convex,	none): None	Slop	pe(%): 0			
Subregion (LRR): A - Northwestern Forest,	Lat: 47.297	<u>—</u> 585 Long:	-122.305229	Datum:	WGS84				
Soil Map Unit Name: Alderwood gravelly sandy loa	im		NWI Classific	cation: PFO					
Are climatic / hydrologic conditions on the site typical	al for this time of	year? Yes	No X	(If No, explain in R	emarks)				
Are Vegetation: Soil or Hydrology	significantly o	disturbed?	Are "Normal Circur	nstances" present?	Yes	X N	lo		
Are Vegetation: Soil or Hydrology	naturally prob	olematic?	(If needed, explain	any answers in Rem	arks.)				
SUMMARY OF FINDINGS - Attach a site	e map show	ing sampling	point locations	, transects, imp	ortant featu	ıres, etc.			
Hydrophytic Vegetation Present? Yes X	No								
Hydric Soil Present? Yes X	No	Is the	Sampled Area						
Wetland Hydrology Present? Yes X	No	withir	n a Wetland?	Yes	X	No			
Remarks:									
The preceding three months were wetter than norm evaluating hydrology. Sample plot has 3 of 3 wetlan	d criteria, is loca		end of the dry seaso	n so dry season cond	litions were still	considered	when		
VEGETATION – Use scientific names of				1					
T 01.1 (DL.1. 5.)	Absolute	Dominant	Indicator	Dominance Test					
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	'	0	<b>(A)</b>		
<ol> <li>Fraxinus latifolia</li> <li>Populus balsamifera</li> </ol>	20 15	Yes Yes	_ FACW FAC	That Are OBL, FAC	•	6	— <sup>(A)</sup>		
3.			- — FAC	Species Across All		6	(B)		
4.			_	Percent of Domina			— <sup>(D)</sup>		
	35	= Total Cover	_	That Are OBL, FAC	•	100	(A/B)		
Sapling/Shrub Stratum (Plot size: 3m)		= 10tal 00vol		Prevalence Index	•	100			
Acer circinatum	25	Yes	FAC	Total % Cover of:		tiply by:			
2. Salix lasiandra	20	Yes	FACW	OBL species	35 x1=				
3. Rubus spectabilis	7	No	FAC	FACW species	40 x2=	80	_		
4.				FAC species	102 x3=	306			
5.				FACU species	x4=	0	_		
	52	= Total Cover		UPL species	x5=	0			
Herb Stratum (Plot size: 1m)				Column Totals:	177 (A)	421	— (B)		
1. Ranunculus repens	55	Yes	FAC				_		
2. Carex obnupta	30	Yes	OBL	Prevalence Ind	lex = B/A=	2.3	88		
3. Oenanthe sarmentosa	5	No	OBL	Hydrophytic Vege	tation Indicate	ors:			
4.				1 - Rapid Te	st for Hydrophy	tic Vegetati	on		
5				X 2 - Dominan	ce Test is >50%	<b>,</b>			
6.				X 3 - Prevalence	ce Index is ≤3.0	)1			
7				4 - Morpholo	gical Adaptatio	ns¹ (Provide	e		
8.			_		Remarks or on a		sheet)		
9					Non-Vascular F				
10.					Hydrophytic Ve				
11.			_	¹Indicators of hydri					
Manada Vina Otrakora (Blataina)	90	= Total Cover		must be present, u	nless disturbed	or problem	atic.		
Woody Vine Stratum (Plot size:)				Hydronbyti-					
1.				Hydrophytic	Vaa V	No			
2		= Total Cover	_	Vegetation Present?	Yes X	- <sup>No</sup>	_		
% Bare Ground in Herb Stratum 10		= Total Cover ver of Biotic Crust	<b>t</b>	riesell!					
		voi oi biotic Grusi							
Remarks:	Sandan C. J. J.	La de la companya de							
Sample plot meets dominance test and prevalence	maex for nyarop	nytic vegetation.							

SOIL Sampling Point: SP WFW 1-8

Profile Descri	ption: (Describe to	the depth ne	eded to document the in	ndicator o	or confirm	the abse	ence of indicators.)				
Depth	Matrix	<u> </u>	Redo	x Feature	s						
(inches)	Color (moist)	%	Color (moist)	%	Type¹	Loc²	Texture	Re	emarks		
0-14	10YR 2/1	100					Silt Loam				
14-20	10YR 3/2	95	10YR 3/4	5	C		Silty Clay Loam				
¹Type: C= Coi	ncentration, D= Dep	letion, RM=Re	duced Matrix, CS=Covere	ed or Coat	ted Sand G	rains.	²Locat	ion: PL=Pore Li	ning, M=Matrix	х.	
Hydric Soil In	dicators: (Applica	ble to all LRR	s, unless otherwise not	ed.)			Indicators for Probl	ematic Hydric	3oils³:		
Histoso	ol (A1)		Sandy Redox (S5	)			2 cm Muck (A	(10)			
Histic E	Epipedon (A2)		Stripped Matrix (S	86)			Red Parent M	, ,			
Black F	Histic (A3)		Loamy Mucky Mir	neral (F1)	(except ML	RLA 1)		Dark Surface (T	F12)		
<del></del>	en Sulfide (A4)		Loamy Gleyed Ma	atrix (F2)			X Other (Explain	n in Remarks)			
l —— ·	ed Below Dark Surfa	ace (A11)	Depleted Matrix (F	•							
<del></del>	Park Surface (A12)		Redox Dark Surfa	` '			<sup>3</sup> Indicators of hydrophytic vegetation and				
l <del></del>	Mucky Mineral (S1)		Depleted Dark Su  Redox Depression	• •	)		wetland hydrolog	•	nt,		
	Gleyed Matrix (S4)			unless disturbed	or problematic.						
Restrictive	Layer (if present):										
Type:			_								
Depth (	(inches):		_				Hydric Soil Prese	nt? Yes _	XNo		
HYDROLO Wetland Hy	GY drology Indicators	:									
Primary India	cators (minimum of	one required; c	heck all that apply)				Secondary Indicate	ors (2 or more re	quired)		
Surface	e Water (A1)		Water-Stained Le	aves (B9)	(except		Water Stained	d Leaves (B9) ( <b>N</b>	/IRLA 1, 2,		
High W	ater Tables (A2)		MRLA 1, 2, 4A	, and 4B)			4A, and 4E	<b>3</b> )			
	tion (A3)		Salt Crust (B11)				Drainage Pat	, ,			
	Marks (B1)		Aquatic Invertebra	, ,				Vater Table (C2)			
	ent Deposits (B2)		Hydrogen Sulfide			(CO)		sible on Aeriel In	nagery (C9)		
	eposits (B3) lat or Crust (B4)		Oxidized Rhizospi Presence of Redu		•	301S (C3)	Geomorphic I Shallow Aquit	, ,			
	eposits (B5)		Recent Iron Redu	·	, ,	C6)	X FAC-Neutral	, ,			
	e Soil Cracks (B6)		Stunted or Stresse					lounds (D6) ( <b>LR</b> I	RA)		
	tion Visible on Aerie	l Imagery (B	Other (Explain in		. , .	/		Hummocks (D7)	,		
	ey Vegetated Conca			,				,			
Field Obser	vations:	· ·	•								
Surface Wat	er Present? Yes	No	X Depth (inches):								
Water Table	Present? Yes	No	X Depth (inches):								
Saturation P	resent? Yes	X No	Depth (inches):		16.0	Wetland	d Hydrology Presen	t? Yes	X No		
(includes ca	oillary fringe)										
Describe Reco	orded Date (stream ç	gauge, monitor	ing well, aerial photos, pr	evious ins	spections), i	f availabl	e:				
Remarks:				·							
technically dur			ology indicator for water r epressional wetland, grou								

	City/County:	Federal Way, King	Sampling Dat	e: 10/16/201	19	
		State: WA	Sampling Poi	nt: SP WFW	2-1	
		Section, Township,	Range: T21N R4E S2	21		
	Local Reli	ef (concave, convex,	none): None	Slo	pe(%): 0	
Lat: 47.2995	<u> </u>	-122.312294	Datum:	WGS84		
_		NWI Classific	cation: PFO			
al for this time of	year? Yes	No X	(If No, explain in Re	marks)		
significantly d	isturbed?	Are "Normal Circun	– nstances" present?	Yes	X N	0
naturally prob	lematic?	(If needed, explain	any answers in Rema	rks.)		
— le map showi	ng sampling	point locations	. transects, impo	ortant feat	ures. etc.	
•			,			
	Is the	Sampled Area				
		-	Yes 2	X	Nο	
			nan normal; however,	site visit occu	urred at end o	of the
nuereu when eva	lualing hydrology	•				
of plants.						
Absolute	Dominant	Indicator	Dominance Test V	Vorksheet:		
% Cover	Species?	Status	Number of Dominan	t Species		
80	Yes	FACW	That Are OBL, FAC	W, or FAC:	3	(A)
			Total Number of Do	minant		
			Species Across All S	Strata:	3	_ (B)
			Percent of Dominan	t Species		
80	= Total Cover		That Are OBL, FAC	W, or FAC:	100	(A/B)
			Prevalence Index v	vorksheet:		
15	Yes	FACW	Total % Cover of:	Mu	ıltiply by:	
10	Yes	FACW	OBL species	x1=	=	
			FACW species	105 x2=	= 210	
			FAC species	x3=	= 0	
	-		FACU species	x4=	= 0	_
25	= Total Cover		- · · -	 x5=	= 0	_
			I -	105 (A)	210	— (B)
			-	( /		<b>-</b> `′
		_	Prevalence Inde	ex = B/A =	2.0	0
						on
	-				-	<b>5</b> 11
		<del>-</del>	4 - Morpholog			1
			4 - Morpholog			
			data in Pa			ileet)
			data in Ro		•	
			5 - Wetland N	lon-Vascular	Plants¹	(volain
			5 - Wetland N Problematic F	lon-Vascular Iydrophytic V	Plants¹ 'egetation¹ (E	
	Total Covers		5 - Wetland N Problematic H Indicators of hydric	lon-Vascular lydrophytic V soil and wetl	Plants¹ 'egetation¹ (E and hydrolog	у
	= Total Cover		5 - Wetland N Problematic F	lon-Vascular lydrophytic V soil and wetl	Plants¹ 'egetation¹ (E and hydrolog	у
	= Total Cover		5 - Wetland N Problematic F Indicators of hydric must be present, un	lon-Vascular lydrophytic V soil and wetl	Plants¹ 'egetation¹ (E and hydrolog	у
	= Total Cover		5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic	lon-Vascular Hydrophytic V soil and wetl less disturbed	Plants <sup>1</sup> 'egetation <sup>1</sup> (E and hydrolog' d or problema	у
			5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic Vegetation	lon-Vascular Hydrophytic V soil and wetl less disturbed	Plants¹ 'egetation¹ (E and hydrolog	у
	= Total Cover  = Total Cover ver of Biotic Crus		5 - Wetland N Problematic H Indicators of hydric must be present, un Hydrophytic	lon-Vascular Hydrophytic V soil and wetl less disturbed	Plants <sup>1</sup> 'egetation <sup>1</sup> (E and hydrolog' d or problema	у
t × ×	sal for this time of significantly denaturally problem in the significantly denaturally problem in the side in the	Local Reli  Lat: 47.299564 Long:  sal for this time of year? Yes significantly disturbed? naturally problematic?  te map showing sampling X No Is the X No Is the Within X No Is the X No	State: WA Section, Township, I Local Relief (concave, convex, Lat: 47.299564 Long: -122.312294  NWI Classific significantly disturbed? Are "Normal Circum naturally problematic? (If needed, explain te map showing sampling point locations X No	State: WA Sampling Poi Section, Township, Range: T21N R4E S2 Local Relief (concave, convex, none):  Lat: 47.299564 Long: -122.312294 Datum: NWI Classification: PFO  all for this time of year? Yes No X (If No, explain in Resignificantly disturbed? Are "Normal Circumstances" present?  naturally problematic? (If needed, explain any answers in Remater map showing sampling point locations, transects, import X No Is the Sampled Area within a Wetland? Yes idered when evaluating hydrology.  Is the Sampled Area within a Wetland? Yes idered when evaluating hydrology.  In a transect in the control of the contr	State: WA   Sampling Point: SP WFW	State: WA   Sampling Point: SP WFW 2-1

SOIL Sampling Point: SP WFW 2-1

	ription: (Describe to t	he depth neede	ed to document the	)							
Depth	Matrix			ox Feature			-				
(inches)	Color (moist)	<u></u> %	Color (moist)	<u></u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	}	
0-18	10YR 3/1	100					Organic	Muck			
¹Type: C= Co	oncentration, D= Deple	tion, RM=Reduc	ed Matrix, CS=Cover	red or Coa	ted Sand G	rains.	²Loc	ation: PL=Po	re Lining, I	M=Matrix.	
Hydric Soil I	ndicators: (Applicab	le to all LRRs, ເ	ınless otherwise no	ted.)			Indicators for Pro	blematic Hyd	ric Soils <sup>3</sup> :		
X Histos	ol (A1)	_	Sandy Redox (S	-			2 cm Muck				
	Epipedon (A2)	_	Stripped Matrix (					Material (TF2	<i>'</i>		
	Histic (A3)	_	Loamy Mucky Mi		(except ML	RLA 1)	· · · · · · · · · · · · · · · · · · ·				
	gen Sulfide (A4)	_	Loamy Gleyed M				Other (Explain in Remarks)				
	ed Below Dark Surfac	e (A11)	Depleted Matrix (								
	Dark Surface (A12)	_	Redox Dark Surf				<sup>3</sup> Indicators of hydrophytic vegetation and				
	Mucky Mineral (S1)	_	Depleted Dark S		)		wetland hydrol				
	Gleyed Matrix (S4)	_	Redox Depression	ons (F8)			unless disturbe	d or problema	itic.		
	Layer (if present):										
Type:											
Depth	(inches):						Hydric Soil Pres	sent? Yes	• <u>X</u>	_ <sup>No</sup>	
Remarks:											
Sample plot n	neets hydric soil indica	tor A1, Histosol.									
LIVEROLG	201/										
HYDROLC											
1	/drology Indicators:						0 , , , , ,				
l — -	icators (minimum of or	ne required; chec		(Da)	, .		Secondary Indica				
	e Water (A1)	_	Water-Stained Le	, ,				ed Leaves (B	9) ( <b>MRLA</b>	1, 2,	
	Vater Tables (A2)		MRLA 1, 2, 4	A, and 4B)			4A, and				
X Satura		_	Salt Crust (B11)	(D40)				atterns (B10)	(00)		
	Marks (B1)	_	Aquatic Invertebr	, ,				Water Table		. (00)	
	ent Deposits (B2)	_	— Hydrogen Sulfide			+- (00)		/isible on Aeri		, (C9)	
	eposits (B3)	_	Oxidized Rhizosp Presence of Red		-	oois (C3)		Position (D2)	)		
	Mat or Crust (B4)	_	Recent Iron Red			C6)	Shallow Aq				
	eposits (B5) e Soil Cracks (B6)	_	Stunted or Stress		,	,	X FAC-Neutra	Mounds (D6)	/I DD A\		
	ation Visible on Aeriel	lmagery (B	Other (Explain in		. , ,	A)		Hummocks			
	ey Vegetated Concav	- · · · -	— Other (Explain III	riemarks)				FIIUIIIIIOCKS	(17)		
		C Guriace (Bo)				1					
Field Obse		V No	Donth (inches)		0.50						
	ter Present? Yes	X No —	Depth (inches): Depth (inches):		0.50						
Water Table Saturation I		X No —	Depth (inches):		0.0	Wetlan	d Hydrology Prese	nt? Voc	s X	No	
	apillary fringe)		— Deptir (inches).		0.0	Wellan	a riyarology Frese	ent? Yes	, <u> </u>	_ 110	
Describe Rec	orded Date (stream ga	auge, monitoring	well, aerial photos, p	revious ins	spections), i	t availabl	le:				
Remarks:											
	neets primary hydrolog		Surface Water (A1), F	High Water	Table (A2)	, Saturati	ion (A3), and Water	Marks (B1) a	nd second	ary hydrology	
indicator for F	AC-Neutral Test (D5).	-									

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ite: 10/16/2019		
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	int: SP WFW 2	-2	
Investigators: STORY, PACE			Section, Township,	<del></del> Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Flat		Local Reli	ief (concave, convex,	none): Convex	Slop	e(%): 15	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2995	<u>–</u> 57 Long:	: -122.312218	Datum:	WGS84		
Soil Map Unit Name: Tukwila muck			NWI Classific	cation: UPL			
Are climatic / hydrologic conditions on the site typical	I for this time of	year? Yes	s No X	(If No, explain in R	emarks)		
Are Vegetation: SoilX or Hydrology	significantly di	sturbed?	Are "Normal Circun	nstances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrology	naturally prob	lematic?	(If needed, explain	any answers in Rem	arks.)		
<b>SUMMARY OF FINDINGS - Attach a site</b>	e map showi	ng sampling	point locations	, transects, imp	ortant featu	res, etc.	
Hydrophytic Vegetation Present? Yes X	No						
Hydric Soil Present? Yes	No X	Is the	Sampled Area				
Wetland Hydrology Present? Yes	No X	withi	n a Wetland?	Yes		No X	
Remarks:							
On constructed fill berm upslope from boundary. Salwetter than normal for time of year.		of 3 wetland crite	ria, is not located in a	wetland. Paired upla	and plot for WF\	V 2-1. Cond	ditions
VEGETATION – Use scientific names o	-			T= . =			
	Absolute	Dominant	Indicator	Dominance Test			
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	'		(4)
1. Alnus rubra	15	Yes	FAC	That Are OBL, FAC	•	4	_ <sup>(A)</sup>
2. 3.				Total Number of Do		6	(D)
4.				Percent of Domina			— <sup>(B)</sup>
<del></del>	15	= Total Cover	<del>.</del> ———	That Are OBL, FAC	·	67	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= Total Cover		Prevalence Index			(A/B)
1. Rubus ursinus	5	Yes	FACU	Total % Cover of:		iply by:	
Rubus armeniacus	4	Yes	FACO	OBL species	<u>wun</u> x1=	ipiy by.	
3. Rubus spectabilis	3	Yes	FAC	FACW species	x1= x2=	0	_
4.				FAC species	72 x3=	216	_
5.			<del>-</del>	FACU species	$\frac{72}{35}$ x4=	140	_
	12	= Total Cover	<del>-</del>	UPL species	x5=	0	_
Herb Stratum (Plot size: 1m)		= 10tal 00101		Column Totals:	107 (A)	356	— (B)
Agrostis capillaris	50	Yes	FAC	Column Foliation			<b>—</b> (-)
2. Dactylis glomerata	30	Yes	FACU	Prevalence Ind	lex = B/A=	3.3	33
3.				Hydrophytic Vege			
4.				1	st for Hydrophy		on
5.					ce Test is >50%	-	
6.				3 - Prevalenc	ce Index is ≤3.0	1	
7.				4 - Morpholo	gical Adaptation	ns¹ (Provide	e
8.				data in F	Remarks or on a	separate s	sheet)
9.				5 - Wetland I	Non-Vascular P	lants¹	
10.				Problematic	Hydrophytic Ve	getation¹ (E	xplain)
11.				<sup>1</sup> Indicators of hydri	c soil and wetla	nd hydrolog	Jy
	80	= Total Cover		must be present, u	nless disturbed	or problem	atic.
Woody Vine Stratum (Plot size:)							
1.				Hydrophytic			
2.				Vegetation	Yes X	No	
		= Total Cover		Present?			
% Bare Ground in Herb Stratum 20	% Cov	er of Biotic Crus	t				
Remarks:			<del></del> _	•			
Sample plot meets dominance test but not prevalence	ce index for hydr	ophytic vegetatic	on.				

SOIL Sampling Point: SP WFW 2-2

Profile Desci	ription: (Describ	e to the depth ne	eded to	document the i	indicator o	or confirm	the abse	ence of indicators.)					
Depth	M	atrix		Red	ox Feature	s							
(inches)	Color (moist	) %	С	olor (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Rema	ırks		
0-14	10 YR 3/3	100						Sandy Loam					
¹Type: C= Co	oncentration, D=	Depletion, RM=Re	duced N	/latrix, CS=Cover	red or Coat	ted Sand G	rains.	²Locat	tion: PL	=Pore Linin	g, M=Matr	rix.	
Hydric Soil I	ndicators: (App	licable to all LRR	s, unles	s otherwise no	ted.)			Indicators for Prob	lematic	Hydric Soil	ls³:		
	sol (A1)			Sandy Redox (S	•			2 cm Muck (A					
	Epipedon (A2)			Stripped Matrix (				Red Parent Material (TF2)					
	Histic (A3)			_oamy Mucky Mi		(except ML	RLA 1)						
	gen Sulfide (A4)			_oamy Gleyed M				Other (Explain in Remarks)					
	ted Below Dark S	* *		Depleted Matrix (				<sup>3</sup> Indicators of hydrophytic vegetation and					
	Dark Surface (A1			Redox Dark Surf				•	, ,	Ū	.nd		
	/ Mucky Mineral (	•		Depleted Dark Si		1		wetland hydrolog		•			
	Gleyed Matrix (S	•		Redox Depressio	JIIS (FO)			unless disturbed	or probi	iemauc.			
	Layer (if preser	11):											
	Quarry Spall	1.4	_					Hudria Cail Bross		Vaa	Na	v	
Depth	(inches):	14	_					Hydric Soil Prese	.nt?	Yes	No	X	
HYDROLO	OGY												
	ydrology Indicat	ors.											
1		of one required;	check all	that apply)				Secondary Indicate	ors (2 or	r more requi	ired)		
l	ce Water (A1)	101011010441104,1		Water-Stained Le	eaves (B9)	(except		Water Staine				-	
	Water Tables (A2	)		MRLA 1, 2, 4A	` ,	(57.55)		4A, and 4I		o (= o) (	,		
l —	ation (A3)	,	;	Salt Crust (B11)	, ,			Drainage Pat		10)			
Water	Marks (B1)			Aquatic Invertebr	ates (B13)			Dry-Season \	Water Ta	able (C2)			
Sedim	nent Deposits (B2	)		Hydrogen Sulfide	Odor (C1)	)		Saturation Vi	sible on	Aeriel Imag	ery (C9)		
Drift D	Peposits (B3)			Oxidized Rhizosp	oheres alor	ng Living Ro	oots (C3)	Geomorphic	Position	(D2)			
Algal I	Mat or Crust (B4)			Presence of Red	uced Iron (	(C4)		Shallow Aqui	tard (D3	3)			
Iron D	eposits (B5)			Recent Iron Redu	uction in Ti	lled Soils (C	26)	FAC-Neutral	Test (D5	5)			
	ce Soil Cracks (B	•		Stunted or Stress		(D1) ( <b>LRR</b>	<b>A</b> )	Raised Ant M	,	, ,	7)		
	ation Visible on A			Other (Explain in	Remarks)			Frost-Heave	Hummoo	cks (D7)			
		ncave Surface (B	3)										
Field Obse													
		Yes — No		Depth (inches):									
Water Table		YesNo		Depth (inches):			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	d Hardrada - In and Dan a com		V	NI.	v	
Saturation I		YesNo	X	Depth (inches):			wetian	d Hydrology Presen	A?	Yes	No	<u> </u>	
	apillary fringe)						<u> </u>						
Describe Rec	corded Date (strea	am gauge, monitoi	ring well	, aerial photos, p	revious ins	spections), i	t availabl	le:					
Remarks:													
No primary or	r secondary hydro	ology indicators ob	served.										

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	te: 10/16/2019	ı	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	int: SP WFW 2	-3	
Investigators: STORY, PACE			Section, Township, I	Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Depression		Local Reli	ef (concave, convex,	none): None	Slop	e(%): 1	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.3000	 98	-122.310761	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy loa	am		NWI Classific	ation: PFO			
Are climatic / hydrologic conditions on the site typic	al for this time of y	ear? Yes	No X	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrology _	significantly di	sturbed?	Are "Normal Circum	nstances" present?	Yes	<u>х</u>	٥
Are Vegetation: Soil or Hydrology _	naturally probl	ematic?	(If needed, explain	any answers in Rema	arks.)		
SUMMARY OF FINDINGS - Attach a sit	e map showi	ng sampling	point locations	, transects, imp	ortant featu	res, etc.	
Hydrophytic Vegetation Present? Yes X	. No						
Hydric Soil Present? Yes X	No	Is the	Sampled Area				
Wetland Hydrology Present? YesX	No	withir	n a Wetland?	Yes .	X	No	
Remarks: Plot in WFW 2. Sample plot has 3 of 3 criteria, is loc	cated in a wetland	I. Conditions wet	ter than normal for tir	ne of year.			
VEGETATION – Use scientific names of	of plants.						
	Absolute	Dominant	Indicator	Dominance Test \	Worksheet:		
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	nt Species		
1. Fraxinus latifolia	60	Yes	FACW	That Are OBL, FAC	W, or FAC:	3	(A)
2.				Total Number of Do	minant		
3.				Species Across All	Strata:	3	_ (B)
4				Percent of Dominar	nt Species		
	60	= Total Cover		That Are OBL, FAC	W, or FAC:	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index	worksheet:		
1. Rubus spectabilis	40	Yes	FAC	Total % Cover of:	<u>Mult</u>	iply by:	
2. Spiraea douglasii	20	Yes	FACW	OBL species	x1=		_
3				FACW species	80 x2=	160	_
4				FAC species	40 x3=	120	_
5.				FACU species	x4=	0	_
	60	= Total Cover		UPL species	x5=	0	_
Herb Stratum (Plot size: 1m)				Column Totals:	120 (A)	280	_ <sup>(B)</sup>
1.							
2.				Prevalence Ind		2.3	3
3.				Hydrophytic Vege			
4					st for Hydrophy	-	on
5.				<del></del>	ce Test is >50% ce Index is ≤3.0		
6.				<b></b>	e index is ≤3.0 gical Adaptatior		
7. 8.					gicai Adaptation Remarks or on a		
9.					Non-Vascular P		ileet)
10.					Hydrophytic Ve		(volain)
11.				¹Indicators of hydric		-	
···		= Total Cover		must be present, ur			
Woody Vine Stratum (Plot size:)		= 10101 00001		dot do prodont, di		- problem	
1.				Hydrophytic			
2.				Vegetation	Yes X	No	
·		= Total Cover		Present?			_
% Bare Ground in Herb Stratum 100		er of Biotic Crust	t				
Remarks:	_			1			
Sample plot meets dominance test and prevalence	index for hydroph	vtic vegetation					
Cample plot incote dominance test and prevalence	mack for flydropfi	y no vogetation.					

SOIL Sampling Point: SP WFW 2-3

Profile Descr	iption: (Descri	be to t	he dept	h need	ed to document the i	indicator o	or confirm	the abse	ence of indicators.)				
Depth	N	/latrix			Rede	ox Feature	s						
(inches)	Color (mois	st)	%		Color (moist)	%	Type <sup>1</sup>	Loc²	Texture		Remark	s	
0-14	10YR 2/1		100						Silt Loam				
14-18	10 YR 4/2	2	97		10YR 3/4	3	С	М	Silty Clay Loam				
					ced Matrix, CS=Cover		ted Sand G			tion: PL=Po			
1		plicabl	e to all l	LRRs, ı	unless otherwise not				Indicators for Prob	_	dric Soils	3:	
— Histos				_	Sandy Redox (St	•			2 cm Muck (	•			
	Epipedon (A2)			_	Stripped Matrix (	•		D. 4.4)	—— Red Parent Material (TF2)  Very Shallow Dark Surface (TF12)				
	Histic (A3)			_	Loamy Mucky Mi		(except ML	.RLA 1)					
	gen Sulfide (A4)		~ /Add\	_	Loamy Gleyed M				Other (Explain in Remarks)				
	ed Below Dark Dark Surface (A		e (A11)	_	Depleted Matrix (				<sup>3</sup> Indicators of hydrophytic vegetation and				
	Mucky Mineral			_	Redox Dark Surfa Depleted Dark Su				wetland hydrolo			ı	
	Gleyed Matrix			_	Redox Depression		,		unless disturbed				
	-			_					umoss distance				
Restrictive Layer (if present):  Type:													
1	(inches):							Hydric Soil Prese	ent? Ye	es X	No		
	(inches).								Tryunc con rics		<u> </u>		
Remarks:			0 1				0.10		40 11 1 1 1				
Hydrogen suii	iide odor at 10 ii	nches.	Sample	piot me	ets hydric soil indicate	or A4, Hya	rogen Sulli	ue, and A	112, thick dark surfac	e.			
HYDROLO	GY												
Wetland Hy	drology Indica	tors:											
Primary Ind	icators (minimu	m of on	ne requir	ed; che	ck all that apply)				Secondary Indica	tors (2 or ma	ore require	ed)	
Surfac	e Water (A1)				Water-Stained Le	eaves (B9)	(except		Water Staine				
X High V	Vater Tables (A	2)		_	MRLA 1, 2, 4A	A, and 4B)			4A, and 4	<b>B</b> )			
X Satura	ition (A3)				Salt Crust (B11)				Drainage Pa	tterns (B10)			
Water	Marks (B1)				Aquatic Invertebr	ates (B13)	•		Dry-Season	Water Table	(C2) ÷		
Sedim	ent Deposits (B	2)			X Hydrogen Sulfide	Odor (C1	)		Saturation V	isible on Aer	riel Imager	y (C9)	
Drift D	eposits (B3)			_	Oxidized Rhizosp	oheres alor	ng Living R	oots (C3)	Geomorphic	Position (D2	2)		
Algal N	Mat or Crust (B4	·)		_	Presence of Red	uced Iron (	(C4)		Shallow Aqu	itard (D3)			
	eposits (B5)			_	Recent Iron Redu		•		FAC-Neutral	Test (D5)			
	e Soil Cracks (E	•		_	Stunted or Stress			<b>A</b> )	Raised Ant N				
	ation Visible on		• .	· –	Other (Explain in	Remarks)			Frost-Heave	Hummocks	(D7)		
	ey Vegetated C	oncave	• Surface	e (B8)									
Field Obse													
	ter Present?	Yes	N		X Depth (inches):								
Water Table		Yes	X N	_	Depth (inches):		8.0		d Ukadaa la aas Daa aas	-10 V-	- v	NI-	
Saturation F		Yes	<u>X</u> N	° —	Depth (inches): .		0.0	wetiand	d Hydrology Preser	nt? Ye	es X	No	
	pillary fringe)							<u> </u>					
Describe Rec	orded Date (stre	eam ga	.uge, mo	nitoring	well, aerial photos, p	revious ins	spections), i	f availabl	e:				
Remarks:													
	neets wetland h	ydrolog	y indica	tors for	High Water Table (A2	2), Saturation	on (A3), an	d Hydrog	en Sulfide Odor (C1)	). Surface w	ater prese	nt in vicinity of	
plot.													
plot.													

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ite: 10/16/2019	9	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	int: SP WFW 2	2-4	
Investigators: STORY, PACE			Section, Township, F	Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Hillslope		Local Reli	ef (concave, convex,	none): Convex	Slop	pe(%): 15	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.30004	<u>-</u> 45 Long:	-122.310776	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy loa			NWI Classific	ation: UPL			
Are climatic / hydrologic conditions on the site typical	al for this time of y	ear? Yes	No X	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrology	significantly dis	sturbed?	Are "Normal Circum	stances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrology	naturally probl	ematic?	(If needed, explain a	any answers in Rem	arks.)		
<b>SUMMARY OF FINDINGS - Attach a site</b>	e map showir	ng sampling	point locations,	transects, imp	ortant featu	ıres, etc.	
Hydrophytic Vegetation Present? Yes	No X						
Hydric Soil Present? Yes	No _X	Is the	Sampled Area				
Wetland Hydrology Present? Yes	No _X	withir	n a Wetland?	Yes		No X	
Remarks:							
Upland plot for wetland WFW 2. Sample plot has 0 o	of 3 wetland criter	ia, is not located	l in a wetland. Conditi	ons wetter than norr	nal for time of y	ear.	
VEGETATION – Use scientific names o	•			1			
	Absolute	Dominant	Indicator	Dominance Test			
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•		(*)
1. Fraxinus latifolia	30	Yes	- FACW	That Are OBL, FAC	•	2	_ <sup>(A)</sup>
2. Pseudotsuga menziesii	10	Yes	FACU	Total Number of Do		7	(D)
3.				Species Across All Percent of Domina		7	— <sup>(B)</sup>
4	40	= Total Cover		That Are OBL, FAC	•	29	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= Total Cover		Prevalence Index			(A/b)
`	50	Yes	FACU	Total % Cover of:		tiply by:	
Hubus ursinus     Rubus spectabilis	20	Yes	FACO	OBL species	<u>iviui</u> x1=		
Oemleria cerasiformis	20	Yes	FACU	FACW species	30 x2=		_
4. Symphoricarpos albus	20	Yes	FACU	FAC species	$\frac{30}{20}$ x3=		_
5.				FACU species	130 x4=		_
	110	= Total Cover		UPL species	x5=		_
Herb Stratum (Plot size: 1m)		. Gran Goron		Column Totals:	180 (A)	640	— (B)
Polystichum munitum	30	Yes	FACU				<b>-</b> (-)
2.				Prevalence Ind	lex = B/A=	3.5	6
3.				Hydrophytic Vege	tation Indicate	ors:	
4.					st for Hydrophy		on
5.				2 - Dominan	ce Test is >50%	6	
6.				3 - Prevalenc	ce Index is ≤3.0	)1	
7.				4 - Morpholo	gical Adaptatio	ns¹ (Provide	)
8.				data in F	Remarks or on	a separate s	sheet)
9.				5 - Wetland I	Non-Vascular F	Plants <sup>1</sup>	
10.				Problematic	Hydrophytic Ve	egetation¹ (E	xplain)
11.				<sup>1</sup> Indicators of hydri	c soil and wetla	nd hydrolog	ıy
	30	= Total Cover		must be present, u	nless disturbed	or problema	atic.
Woody Vine Stratum (Plot size:)							
1				Hydrophytic			
2.				Vegetation	Yes	No X	
		= Total Cover		Present?			
% Bare Ground in Herb Stratum 20	% Cov	er of Biotic Crust	t				
Remarks:							
Sample plot does not meet dominance test or preva	lence index for hy	drophytic vegeta	ation.				

SOIL Sampling Point: SP WFW 2-4

Profile Desc	ription: (Describe	to the depth ne	eded to	document the i	indicator o	or confirm	the abse	ence of indicators.)					
Depth	Mat	rix		Red	ox Feature	S							
(inches)	Color (moist)	%	C	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remar	ks		
0-18	10YR 3/2	100						Silt Loam					
¹Type: C= Co	oncentration, D= D	epletion, RM=Re	duced I	Matrix, CS=Cover	red or Coat	ted Sand G	rains.	²Locat	tion: PL	=Pore Lining	, M=Matr	rix.	
Hydric Soil I	ndicators: (Appli	cable to all LRR	s, unle	ss otherwise no	ted.)			Indicators for Prob	lematic	Hydric Soils	) <sup>3</sup> :		
	sol (A1)			Sandy Redox (St	5)			2 cm Muck (A	<del>1</del> 10)				
	Epipedon (A2)			Stripped Matrix (				Red Parent Material (TF2)					
	Histic (A3)			Loamy Mucky Mi		(except ML	RLA 1)						
	gen Sulfide (A4)			Loamy Gleyed M	, ,			Other (Explai	n in Ren	narks)			
	ted Below Dark Su			Depleted Matrix (				31m di catava of la calvanta di caractetta a card					
	Dark Surface (A12			Redox Dark Surf				<sup>3</sup> Indicators of hydrophytic vegetation and					
	Mucky Mineral (S	·		Depleted Dark Si				wetland hydrolog		·			
	Gleyed Matrix (S	•		Redox Depression	ons (F8)			unless disturbed	or probl	ematic.			
	Layer (if present	):											
Type:			_										
Depth	(inches):		_					Hydric Soil Prese	:nt?	Yes	No	X	
	acks hydric soil ind												
HYDROLO	OGY												
Wetland Hy	ydrology Indicato	rs:											
Primary Ind	licators (minimum o	of one required; o	heck al	ll that apply)				Secondary Indicate	ors (2 or	more require	<i>∋d)</i>	_	
Surfac	ce Water (A1)			Water-Stained Le	eaves (B9)	(except		Water Staine	d Leave:	s (B9) ( <b>MRL</b> /	A 1, 2,		
High \	Water Tables (A2)			MRLA 1, 2, 4 <i>A</i>	A, and 4B)			4A, and 4I					
Satura	ation (A3)			Salt Crust (B11)				Drainage Pat	,	•			
	Marks (B1)			Aquatic Invertebr	,			Dry-Season \		, ,			
	nent Deposits (B2)			Hydrogen Sulfide				Saturation Vi		_	ry (C9)		
	eposits (B3)			Oxidized Rhizosp		-	oots (C3)						
	Mat or Crust (B4)			Presence of Red	`	· ′		Shallow Aqui					
	eposits (B5)			Recent Iron Redu		,		FAC-Neutral					
	ce Soil Cracks (B6)			Stunted or Stress		(D1) ( <b>LRR</b> .	<b>A</b> )	Raised Ant M					
	ation Visible on Ae			Other (Explain in	Remarks)			Frost-Heave	Hummod	CKS (D7)			
	ley Vegetated Con	cave Surface (Bo	P)										
Field Obse		Ni-	V	Daniel Carlos V									
Water Table	ater Present? Ye			Depth (inches):									
Saturation I				Depth (inches): Depth (inches):			Wotlan	d Hydrology Presen	+2	Yes	No	х	
	apillary fringe)	- 100 -		Deptil (inches).			Wellan	a riyarology Fresen	IL f		_ 140		
		<u>.</u>											
Describe Red	orded Date (strear	n gauge, monitor	ing wei	i, aeriai pnotos, p	revious ins	pections), i	T availadi	ie:					
Remarks:													
Sample plot la	acks primary and s	econd hydrology	indicat	ors.									

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ite: 10/18/201	9	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	int: SP WFW	3-1	
Investigators: STORY, PACE			Section, Township,	<del></del> Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Floodplain		Local Reli	ef (concave, convex,	none): None	Slo	pe(%): 2	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2963	<u>–</u> 841 Long:	-122.305145	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy loa	 m		NWI Classific	cation: PFO			
Are climatic / hydrologic conditions on the site typical	I for this time of	year? Yes	No X	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrology	significantly d	isturbed?	Are "Normal Circur	nstances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrology	naturally prob	lematic?	(If needed, explain	any answers in Rema	arks.)		
<b>SUMMARY OF FINDINGS - Attach a site</b>	e map showi	ng sampling	point locations	, transects, imp	ortant feat	ures, etc.	
Hydrophytic Vegetation Present? Yes X	No						
Hydric Soil Present? Yes X	No	Is the	Sampled Area				
Wetland Hydrology Present? Yes X	No	withi	n a Wetland?	Yes	X	No	
Remarks: On bench above E. Hylebos Creek. Conditions wette	er than normal fo	r time of year. Sa	ample plot has 3 of 3	criteria, is located wi	thin WFW-3.		
VEGETATION – Use scientific names o	-						
	Absolute	Dominant	Indicator	Dominance Test			
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•		(*)
1. Fraxinus latifolia	60	Yes	_ FACW	That Are OBL, FAC	,	4	— <sup>(A)</sup>
2. Alnus rubra	10	No	_ FAC	Total Number of Do		0	(D)
3.		-		Species Across All		6	— <sup>(B)</sup>
4	70	= Total Cover	<del>-</del>	Percent of Dominal That Are OBL, FAC	·	67	/ <b>/</b> / <b>D</b> \
Sapling/Shrub Stratum (Plot size: 3m)		= Total Cover		Prevalence Index			(A/B)
	20	Yes	FAC	Total % Cover of:		Itialy by:	
	 15	Yes	- FAC		<u>іми</u> х1=	ltiply by:	
Rubus spectabilis     Oemleria cerasiformis	10	Yes	- FACU	OBL species FACW species	60 x2=		_
4. Rubus ursinus	3	No	- FACU	FAC species	48 x3=		_
5.				FACU species	18 x4=		_
	48	= Total Cover	<del>-</del>	UPL species	x5=		_
Herb Stratum (Plot size: 1m)		= 10tal 00101		Column Totals:	126 (A)	336	— (B)
Hedera helix	5	Yes	FACU		(.,,		<b>—</b> (-/
2. Ranunculus repens	3	Yes	FAC	Prevalence Ind	lex = B/A=	2.6	67
3.			_	Hydrophytic Vege	tation Indicat	ors:	
4.			_		st for Hydroph		on
5.				X 2 - Dominano	ce Test is >50°	%	
6.				X 3 - Prevalenc	ce Index is ≤3.	O¹	
7.				4 - Morpholo	gical Adaptatio	ons¹ (Provide	e
8.				data in F	Remarks or on	a separate s	sheet)
9.				5 - Wetland I	Non-Vascular I	Plants <sup>1</sup>	
10.				Problematic	Hydrophytic V	egetation¹ (E	xplain)
11.			_	<sup>1</sup> Indicators of hydric	c soil and wetla	and hydrolog	Jy
	8	= Total Cover		must be present, u	nless disturbed	d or problem	atic.
Woody Vine Stratum (Plot size:)							
1			_	Hydrophytic			
2			_	Vegetation	Yes X	_ No	
		= Total Cover		Present?			
% Bare Ground in Herb Stratum 89	% Cov	er of Biotic Crus	t	<u> </u>			
Remarks:							
Sample plot meets dominance test and prevalence i	ndex for hydroph	ytic vegetation.					

SOIL Sampling Point: SP WFW 3-1

Profile Descr	iption: (Describe to t	he depth neede	d to document the ir	ndicator o	or confirm	the abse	ence of indicators.)	
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-14	10 YR 3/2	95	10YR 4/6	5	C		Silt Loam	
14-18	10YR 4/2	98	10YR 5/4	2			Sandy Loam	
¹Type: C= Co	ncentration, D= Deple	tion, RM=Reduc	ed Matrix, CS=Covere	ed or Coat	ted Sand G	rains.	<sup>2</sup> Locatio	on: PL=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators: (Applicab	le to a <b>ll</b> LRRs, u	nless otherwise note	ed.)			Indicators for Proble	ematic Hydric Soils³:
Histos	ol (A1)		Sandy Redox (S5)	)			2 cm Muck (A	10)
Histic I	Epipedon (A2)	_	Stripped Matrix (S				Red Parent Ma	
	Histic (A3)	_	Loamy Mucky Min		(except ML	RLA 1)		Dark Surface (TF12)
	gen Sulfide (A4)		Loamy Gleyed Ma				Other (Explain	in Remarks)
l —	ed Below Dark Surfac	· · · —	Depleted Matrix (F					
	Dark Surface (A12)		X Redox Dark Surfa					ohytic vegetation and
	Mucky Mineral (S1)	_	Depleted Dark Sur		)		wetland hydrology	•
	Gleyed Matrix (S4)	_	Redox Depression	IS (F6)			unless disturbed o	or problematic.
	Layer (if present):							
Type:	(inch o c)						Uraduia Cail Duanam	Ma Van V Na
Remarks:	(inches):						Hydric Soil Presen	t? Yes X No
Lots of gravel.	. Sample plot meets h	ydric soil indicato	or F6, Redox Dark Suri	face.				
HYDROLO	GY							
	drology Indicators:							
1	cators (minimum of or	ne required; chec	k all that apply)				Secondary Indicator	rs (2 or more required)
	e Water (A1)		Water-Stained Lea	aves (B9)	(except			Leaves (B9) ( <b>MRLA 1, 2,</b>
X High V	Vater Tables (A2)	_	— MRLA 1, 2, 4A,				4A, and 4B	
X Satura	tion (A3)		Salt Crust (B11)				Drainage Patte	erns (B10)
Water	Marks (B1)		Aquatic Invertebra	ites (B13)	•		Dry-Season W	ater Table (C2)
Sedim	ent Deposits (B2)	<u> </u>	Hydrogen Sulfide	Odor (C1	)		Saturation Visi	ble on Aeriel Imagery (C9)
Drift D	eposits (B3)		Oxidized Rhizosph	heres alor	ng Living Ro	oots (C3)	Geomorphic P	osition (D2)
	Mat or Crust (B4)	_	Presence of Redu	`	` '		Shallow Aquita	
	eposits (B5)		Recent Iron Reduc				FAC-Neutral T	, ,
	e Soil Cracks (B6)	—	Stunted or Stresse			<b>A</b> )		ounds (D6) (LRR A)
	tion Visible on Aeriel	_	Other (Explain in F	⊣emarks)			—— Frost-Heave H	lummocks (D7)
	ey Vegetated Concave	e Surface (B8)						
Field Obse								
	ter Present? Yes	No X	' ` ' _		10.0			
Water Table		X No —	Depth (inches): _		12.0	Wetlens	d Uvdveleny Dvecent	O Voo V No
Saturation F	Present? Yes pillary fringe)	_X_No	Depth (inches): _		9.0	welland	d Hydrology Present	? Yes <u>X</u> No
Describe Rec	orded Date (stream ga	luge, monitoring	well, aerial photos, pre	evious ins	spections), i	t availabl	e:	
Remarks:								
Sample plot m	neets primary hydrolog	y indicators for s	aturation and high wa	ter table.				

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ate: 10/18/2019	9	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	oint: SP WFW 3	3-2	
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Toeslope		Local Reli	ef (concave, convex	none): None	Slop	pe(%): 3	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2963	<u> </u>	-122.305130	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy lo	oam		NWI Classifi	cation: UPL			
Are climatic / hydrologic conditions on the site typic	cal for this time of	year? Yes	No X	(If No, explain in R	emarks)		
Are Vegetation: SoilX or Hydrology	significantly d	isturbed?	Are "Normal Circur	nstances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrology	naturally prob	lematic?	(If needed, explain	any answers in Rem	arks.)		
SUMMARY OF FINDINGS - Attach a si	ite map showi	ng sampling	point locations	, transects, imp	ortant featu	ıres, etc.	
Hydrophytic Vegetation Present? Yes	X No						
Hydric Soil Present? Yes	No X	Is the	Sampled Area				
Wetland Hydrology Present? Yes	No X	withir	n a Wetland?	Yes		No X	
Remarks:							
Soil disturbed from adjacent fill. Conditions wetter	than normal for tin	ne of year. Sampl	le plot has 1 of 3 wet	land criteria, is not lo	cated in a wetla	and.	
VEGETATION III ' ""							
VEGETATION – Use scientific names	<u> </u>	Dominant	Indiantor	Deminence Test	Merkoboet.		
<u>Tree Statum</u> (Plot size: 5m)	Absolute % Cover	Dominant Species?	Indicator Status	Number of Domina			
1.	-% Cover	Species?		That Are OBL, FAC		2	(A)
2.			_	Total Number of Do			<b>—</b> (^)
3.		-		Species Across All		3	(B)
4.			_	Percent of Domina			<b>—</b> (-)
<u> </u>		= Total Cover		That Are OBL, FAC	•	67	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index			
Rubus armeniacus	45	Yes	FAC	Total % Cover of:		tiply by:	
2. Acer circinatum	35	Yes	FAC	OBL species	x1=		
3. Oemleria cerasiformis	10	No	FACU	FACW species	x2=	0	
4. Rubus ursinus	4	No	FACU	FAC species	80 x3=	240	_
5.				FACU species	21 x4=	84	
	94	= Total Cover		UPL species	x5=	0	
Herb Stratum (Plot size: 1m)				Column Totals:	101(A)	324	_ (B)
Polystichum munitum	7	Yes	FACU				
2			_	Prevalence Inc		3.2	21
3				Hydrophytic Vege			
4				· ——	st for Hydrophy	_	on
5.				X 2 Dominan			
6.			_	<del></del>	ce Index is ≤3.0		
7.			_	<u> </u>	gical Adaptatio	·	
8				•	Remarks or on a		sneet)
9.				<del></del>	Non-Vascular F		-valaia\
10.			_	¹Indicators of hydri	Hydrophytic Ve	-	
11	7	= Total Cover		must be present, u			
Woody Vine Stratum (Plot size:)		- Total Cover		must be present, u	incoo dioluibed	or bronierii	allo.
1.				Hydrophytic			
2.			_	Vegetation	Yes X	No	
		= Total Cover	_	Present?			
% Bare Ground in Herb Stratum 89		ver of Biotic Crust	t				
Remarks:	<del></del>			· I			
Sample plot meets dominance test but not prevale	nce index for hydr	ophytic vegetatio	n.				
properties assume took out not provide		- ,,					

SOIL Sampling Point: SP WFW 3-2

Profile Descr	iption: (Describe to	the depth ne	eded	to document the	indicator o	or confirm	the abse	nce of indicators.	)			
Depth	Matrix			Red	ox Feature	S						
(inches)	Color (moist)	%		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	S	
0-7	10YR 3/2	100						Loamy Sand				
7-18	2.5Y 4/3	100						Loamy Sand	Signific	cant gravel and	cobble	
¹Type: C= Co	ncentration, D= Depl	etion, RM=Re	duced	Matrix, CS=Cove	red or Coat	ted Sand G	rains.	²Loc	ation: P	L=Pore Lining,	M=Matr	ix.
Hydric Soil In	dicators: (Applicat	le to all LRR	s, unl	ess otherwise no	ted.)			Indicators for Pro	blematio	c Hydric Soils	3:	
Histoso	ol (A1)			_Sandy Redox (S	5)			2 cm Muck	(A10)			
Histic I	Epipedon (A2)			_ Stripped Matrix (	S6)			Red Paren	: Material	I (TF2)		
	Histic (A3)			_ Loamy Mucky Mi	. ,	(except ML	RLA 1)			Surface (TF12)		
	gen Sulfide (A4)			_ Loamy Gleyed M	, ,			Other (Exp	lain in Re	emarks)		
l ——	ed Below Dark Surfac	ce (A11)		_ Depleted Matrix								
	Dark Surface (A12)			Redox Dark Surf				<sup>3</sup> Indicators of hy		-	t	
	Mucky Mineral (S1)			_ Depleted Dark S	, ,			wetland hydrol		•		
	Gleyed Matrix (S4)			Redox Depression	ons (F8)			unless disturbe	ed or prol	olematic.		
Restrictive	Layer (if present):											
Type:			_									
Depth	(inches):		_					Hydric Soil Pre	sent?	Yes	_ No	X
•	drology Indicators:							2 / / / /	. (0			
	cators (minimum of o	ne required; o	check		(50)	, .		Secondary Indic				
	e Water (A1)			- Water-Stained Le	` ′	(except				es (B9) ( <b>MRLA</b>	. 1, 2,	
	/ater Tables (A2)			MRLA 1, 2, 4	4, and 46)			4A, and		D10)		
	tion (A3) Marks (B1)			Salt Crust (B11) Aquatic Inverteb	ratos (R13)			Drainage P Dry-Seaso	,	•		
	ent Deposits (B2)			- Hydrogen Sulfide	, ,					n Aeriel Imager	v (C9)	
	eposits (B3)			Oxidized Rhizos			oots (C3)	Geomorphi		_	<b>y</b> (00)	
	flat or Crust (B4)			Presence of Red		•	(,	Shallow Ac		` '		
l —	eposits (B5)			- Recent Iron Red			(6)	FAC-Neutr	•	•		
Surfac	e Soil Cracks (B6)			<ul><li>Stunted or Stress</li></ul>				Raised Ant	Mounds	(D6) ( <b>LRR A</b> )		
Inunda	tion Visible on Aeriel	Imagery (B		Other (Explain in	Remarks)			Frost-Heav	e Humm	ocks (D7)		
Sparsle	ey Vegetated Concav	e Surface (B	3)	_								
Field Obser	vations:										,	,
Surface Wa	ter Present? Yes	No	Χ	Depth (inches):			İ					
Water Table	Present? Yes	No	Χ	Depth (inches):								
Saturation F	Present? Yes	No	Х	_ Depth (inches):			Wetland	d Hydrology Pres	ent?	Yes	_ No	X
(includes ca	pillary fringe)											
Describe Reco	orded Date (stream g	auge, monitoi	ring we	ell, aerial photos, p	revious ins	pections), it	f availabl	e:				
Remarks:												
No primary or	secondary wetland h	ydrology indic	cators	observed.								

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	te: 10/18/20	19			
Applicant/Owner: Sound Transit		- ^ ^	State: WA	Sampling Po					
Investigators: STORY, PACE			Section, Township.	 Range: T21N R4E S	- : T21N R4E S21				
Landform (hillslope, terrace, etc.): Depression			ef (concave, convex,			ope(%): 0			
Subregion (LRR): A - Northwestern Forest,	Lat: 47.29502	_	-122.305908	Datum:	WGS84				
Soil Map Unit Name: Alderwood gravelly sandy loa			NWI Classific	ation: PFO					
Are climatic / hydrologic conditions on the site typica		rear? Yes		(If No, explain in Re	emarks)				
Are Vegetation: Soil or Hydrology	significantly dis		Are "Normal Circum	<b>-</b> ` '	Yes	X N	lo		
Are Vegetation: Soil or Hydrology	naturally proble			any answers in Rema					
SUMMARY OF FINDINGS - Attach a site				=	•	tures, etc.			
Hydrophytic Vegetation Present? Yes X	No								
Hydric Soil Present? Yes X	No No	Is the	Sampled Area						
Wetland Hydrology Present? Yes X	No	within	a Wetland?	Yes	X	No			
Remarks:									
Conditions wetter than normal for time of year. Sample VEGETATION – Use scientific names o		of 3 wetland criter	ria, is located in WF\	N-4.					
VEGETATION - Ose scientific flames o	Absolute	Dominant	Indicator	Dominance Test \	Norkobooti				
<u>Tree Statum</u> (Plot size: 5m)	% Cover		Indicator Status						
	40	Species? Yes	FACW	Number of Dominal That Are OBL, FAC		4	<b>(A)</b>		
Fraxinus latifolia     Populus balsamifera	30	Yes	FACV	Total Number of Do			— <sup>(A)</sup>		
3. Salix lasiandra	10	No	FACW	Species Across All		4	(B)		
4.				Percent of Dominar			— <sup>(D)</sup>		
·	80	= Total Cover		That Are OBL, FAC	•	100	(A/B)		
Sapling/Shrub Stratum (Plot size: 3m)		rotal ooro.		Prevalence Index			( , , _ )		
Spiraea douglasii	40	Yes	FACW	Total % Cover of:		ultiply by:			
2.				OBL species	25 x1				
3.				FACW species	90 x2				
4.				FAC species	30 x3		_		
5.				FACU species	x4				
	40	= Total Cover		UPL species	 x5	S= 0	_		
Herb Stratum (Plot size: 1m)				Column Totals:	145 (A	295	— (B)		
Carex obnupta	25	Yes	OBL			<i>'</i>	<b>—</b> `´		
2.				Prevalence Ind	ex = B/A=	2.0	03		
3.				Hydrophytic Vege	tation Indica	itors:			
4.				1 - Rapid Tes	st for Hydroph	hytic Vegetati	on		
5.				X 2 - Dominano	ce Test is >50	)%			
6.				X 3 - Prevalenc	e Index is ≤3	5.0 <sup>1</sup>			
7.				4 - Morpholo	gical Adaptat	ions¹ (Provide	Э		
8.				data in F	lemarks or or	n a separate s	sheet)		
9.				5 - Wetland N	Non-Vascular	Plants <sup>1</sup>			
10.				Problematic	Hydrophytic \	√egetation¹ (E	Explain)		
11.				<sup>1</sup> Indicators of hydric	soil and wet	land hydrolog	ЭУ		
	25	= Total Cover		must be present, ur	nless disturbe	ed or problem	atic.		
Woody Vine Stratum (Plot size:)									
1				Hydrophytic					
2.				Vegetation	Yes X	( No			
		= Total Cover		Present?					
% Bare Ground in Herb Stratum	% Cov	er of Biotic Crust							
Remarks:									
Sample plot meets dominance test and prevalence i	ndex for hydroph	ytic vegetation.							

SOIL Sampling Point: SP WFW 4-1

Profile Desci	ription: (Describe to	the depth need	ed to document the i	ndicator o	or confirm	the abse	ence of indicators.)	1		
Depth	Matrix		Redo	ox Feature						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	3
0-18	10YR 2/1	97	10YR 3/3	3	С	М	Silt Loam	High organi	c content	
¹Type: C= Co	oncentration, D= Depl	etion, RM=Redu	ced Matrix, CS=Cover	ed or Coa	ted Sand G	rains.	²Loc	ation: PL=Po	ore Lining, I	M=Matrix.
Hydric Soil I	ndicators: (Applicab	le to all LRRs,	unless otherwise not	ed.)			Indicators for Pro	blematic Hyd	dric Soils³	:
Histos	sol (A1)	_	Sandy Redox (S5	5)			2 cm Muck	(A10)		
Histic	Epipedon (A2)	_	Stripped Matrix (S	S6)			Red Parent	Material (TF2	2)	
Black	Histic (A3)	_	Loamy Mucky Mir	neral (F1)	(except ML	RLA 1)	Very Shallo	w Dark Surfa	ce (TF12)	
	gen Sulfide (A4)	_	Loamy Gleyed Ma				Other (Expl	ain in Remarl	ks)	
	ted Below Dark Surfac	ce (A11)	Depleted Matrix (	•						
	Dark Surface (A12)	_	X Redox Dark Surfa				<sup>3</sup> Indicators of hyd			
	Mucky Mineral (S1)	_	Depleted Dark Su	, ,	)		wetland hydrol			
	Gleyed Matrix (S4)	_	Redox Depressio	ns (F8)			unless disturbe	d or problem	atic.	
Restrictive	Layer (if present):									
Type:										
Depth	(inches):						Hydric Soil Pres	ent? Ye	s <u>X</u>	_ No
Remarks:										
Sample plot r	neets hydric soil indica	ator F6, Redox [	Dark Surface.							
HYDROLC										
1	ydrology Indicators:									
l	licators (minimum of o	ne required; che	11 37				Secondary Indica			
	ce Water (A1)	_	Water-Stained Le	, ,	` •			ed Leaves (E	39) ( <b>MRLA</b>	1, 2,
	Water Tables (A2)		MRLA 1, 2, 4A	, and 4B)			4A, and			
X Satura		_	Salt Crust (B11)	. (5.46)				atterns (B10)		
	Marks (B1)	-	Aquatic Invertebra	, ,				Water Table		(00)
	nent Deposits (B2)	-	Hydrogen Sulfide			. (00)		/isible on Aer		/ (C9)
	Peposits (B3)	-	Oxidized Rhizosp		-	oots (C3)		Position (D2	2)	
l —	Mat or Crust (B4)	-	Presence of Redu		. ,	36)	Shallow Aq			
	eposits (B5)	_	Recent Iron Redu		,	,	X FAC-Neutra		(LDD A)	
	ce Soil Cracks (B6)	Imagany (P	Stunted or Stress			<b>A</b> )		Mounds (D6) Hummocks	,	
	ation Visible on Aeriel Iey Vegetated Concav	_	Other (Explain in	nemarks)			—— Flosi-neave	HUITITIOCKS	(07)	
		e dunace (bb)				1				
Field Obse		NI-	V Donath (inches)							
Water Table	ater Present? Yes		X Depth (inches): Depth (inches):		0.0					
Saturation I		X No —	Depth (inches):		0.0	Wetlan	d Hydrology Prese	nt? Ye	s X	No
	apillary fringe)		—— Deptil (iliches)		0.0	Wellan	a riyarology Frese	iit: 16	* <u> </u>	
Describe Rec	orded Date (stream g	auge, monitorinç	g well, aerial photos, pr	evious ins	spections), i	t availabl	le:			
Remarks:										
		l. Sample plot m	eets primary hydrology	y indicator	s for High V	Vater Tal	ble (A2) and Saturat	ion (A3). Sar	nple plot al	so passes
FAC-Neutral	rest (D5).									

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Dat	e: 10/18/2019		
Applicant/Owner: Sound Transit		-	State: WA	Sampling Poi	nt: SP WFW 4-	-2	
nvestigators: STORY, PACE			Section, Township, I	Range: T21N R4E S2	?1		
andform (hillslope, terrace, etc.): Flat		Local Reli	ef (concave, convex,	none): None	Slope	e(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.29502	21 Long:	-122.305908	Datum:	NGS84		
Soil Map Unit Name: Alderwood gravelly sandy I	oam		NWI Classific	ation: UPL			
Are climatic / hydrologic conditions on the site type	cal for this time of y	ear? Yes		(If No, explain in Re	marks)		
Are Vegetation: Soil or Hydrology	significantly dis	turbed?	Are "Normal Circum	nstances" present?	Yes	<u>х</u>	lo
Are Vegetation: Soil or Hydrology	naturally proble	ematic?	(If needed, explain	any answers in Rema	rks.)		
SUMMARY OF FINDINGS - Attach a s	ite map showir	g sampling	point locations	, transects, impo	ortant featu	res, etc.	
Hydrophytic Vegetation Present? Yes _	X No						
Hydric Soil Present? Yes	No X	Is the	Sampled Area				
Vetland Hydrology Present? Yes _	No X	withi	n a Wetland?	Yes _		No X	
Remarks:							
The preceding three months were wetter than nor evaluating hydrology Sample plot is paired uplan vetland.	d plot for WFW-4, lo						
VEGETATION – Use scientific names	of plants.						
	Absolute	Dominant	Indicator	Dominance Test V	Vorksheet:		
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Dominan	t Species		
·	<u> </u>			That Are OBL, FAC	W, or FAC:	2	_ (A)
<u> </u>				Total Number of Do			
3				Species Across All S		2	<b>—</b> <sup>(B)</sup>
4				Percent of Dominan	•		
		= Total Cover		That Are OBL, FAC		100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index v			
I. Rubus armeniacus	35	Yes	FAC	Total % Cover of:	<u>Multi</u>	ply by:	
2	<u> </u>			OBL species	x1= .		_
3.				FACW species	x2= .	0	_
·				FAC species	65 x3=	195	_
·		T-1-1 O		FACU species	5 x4=	20	_
Herb Stratum (Plot size: 1m)	35	= Total Cover		UPL species Column Totals:	$\frac{x_{5}}{x_{0}}$	0	— (B)
Herb Stratum (Plot size: 1m)  Ranunculus repens	30	Yes	FAC	Column Totals.	70 (A)	215	<b>—</b> (B)
2. Polystichum munitum	. <u>— 5</u>	No	- FACU	Prevalence Inde	ov _ B/A_	3.0	17
a Tolystonum munitum	<del></del>			Hydrophytic Veget			
					t for Hydrophyt		on
··	·			X 2 - Dominance		-	J11
S.	<del></del>			<del></del>	e Index is ≤3.0¹		
7.					ical Adaptation		)
				<b>─</b>	emarks or on a	,	
					on-Vascular PI		,
0.				Problematic F	lydrophytic Veg	getation¹ (E	xplain)
11.	·			¹Indicators of hydric			
	35	= Total Cover		must be present, un			•
Noody Vine Stratum (Plot size:)						•	
· ·				Hydrophytic			
				Vegetation	Yes X	No	
<u>)</u> .							_
2.		= Total Cover	_	Present?			
2	 	= Total Cover er of Biotic Crus	t	_			

SOIL Sampling Point: SP WFW 4-2

Profile Descr	iption: (Describe	e to the depth ne	eded to document the i	ndicator	or confirm	the abse	ence of indicators.)				
Depth	Ma	atrix	Redo	ox Feature	es						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture		Remark	(S	
0-4	2.5Y 4/2		2.5Y 3/4	1			Sandy Loam	Refusal	at 4; lots of c	obble	
				-							
	-										
<del></del>				-							
1Typo: C- Co	noontration D_ [	Oppletion PM-Pa	educed Matrix, CS=Cover	od or Coa	tod Sand G		21.000	tion: DI	.=Pore Lining,	M_Mat	riv
			s, unless otherwise not		ileu Sanu U		Indicators for Prob				117.
_		ilcable to all LAF							riyuric 30iis	•	
—— Histos			Sandy Redox (St	•			2 cm Muck (		(TEO)		
	Epipedon (A2)		Stripped Matrix (S	•	(aveant MI	DI A 4)	Red Parent I		, ,		
	Histic (A3)		Loamy Mucky Mi		(ехсері імі	RLA I)			urface (TF12)		
	gen Sulfide (A4)	urfoec (Add)	Loamy Gleyed M				Other (Expla	.iii iii nei	marks)		
	ed Below Dark S Dark Surface (A1		Depleted Matrix (				<sup>3</sup> Indicators of hydr	rophyticy	voastation an	٨	
	Mucky Mineral (	•	Redox Dark Surfa Depleted Dark Su		١		•		•	J	
l <del></del>	Gleyed Matrix (S	•	Redox Depression		)		wetland hydrolo unless disturbed				
			nedox Depressio	115 (1 0)			uniess disturbed		ilematic.		
	Layer (if presen	τ):									
1	Cobble		_				H 42 0 H D		V		v
Depth	(inches): 4						Hydric Soil Prese	∍nt?	Yes	No	X
HYDROLO											
-	drology Indicate						0 , , , , ,	. (2		n	
l —		of one requirea;	check all that apply)	(DO)	. /		Secondary Indica	•			-
	e Water (A1)		Water-Stained Le	` ′	•				es (B9) ( <b>MRL</b> A	. 1, 2,	
l —	Vater Tables (A2)		MRLA 1, 2, 4A	i, and 4B)			4A, and 4		140)		
	tion (A3)		Salt Crust (B11)	otoo (D10	<b>\</b>		Drainage Pa				
	Marks (B1)		Aquatic Invertebr Hydrogen Sulfide				Dry-Season			n. (CO)	
	ent Deposits (B2) eposits (B3)	1	Oxidized Rhizosp	•	•	note (C2)			Aeriel Imagei	y (C9)	
	Mat or Crust (B4)		Presence of Red		-	oois (C3)	Shallow Aqu		` '		
	eposits (B5)		Recent Iron Redu		` '	26)	FAC-Neutral	,			
	e Soil Cracks (B6	3)	Stunted or Stress					,	(D6) ( <b>LRR A</b> )		
	tion Visible on A		Other (Explain in			<b>~</b> )	Frost-Heave	,			
		ncave Surface (B		riemarks,				Hammo	icks (D7)		
Field Obse	-	noavo Garrago (B									
		'es No	X Depth (inches):								
Water Table		es No	X Depth (inches):								
Saturation F		es No	X Depth (inches):			Wetland	d Hydrology Preser	nt?	Yes	No	х
	pillary fringe)		Boptii (iiioiios).			Wethan	a riyarology i resel			_''	
		um goven monito	ving well coviel phates a	raviava in	annotiona) i	f aveilabl					
Describe neci	orded Date (Strea	im gauge, monito	ring well, aerial photos, p	revious in	spections), i	i avallabi	e.				
Remarks:											
No primary or	secondary hydro	logy indicators of	served.								

Project/Site: Sound Transit OMFS		_City/County:	Federal Way, King	Sampling Date	e: 10/23/2019			
Applicant/Owner: Sound Transit			State: WA	Sampling Poir	Sampling Point: SP WFW 5-1			
Investigators: STORY, PACE			Section, Township, F	Range: T21N R4E S2				
Landform (hillslope, terrace, etc.): Channel		Local Reli	ef (concave, convex,	none): None	Slope	e(%): 0		
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2916	79 Long:	-122.307571	Datum: V	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy loa	am		NWI Classific	ation: PSS				
Are climatic / hydrologic conditions on the site typical	al for this time of y	ear? Yes	S No X	(If No, explain in Re	marks)			
Are Vegetation: Soil or Hydrology _	significantly di	sturbed?	Are "Normal Circum	stances" present?	Yes	X N	o	
Are Vegetation: Soil or Hydrology _	naturally probl	ematic?	(If needed, explain a	any answers in Rema	rks.)			
SUMMARY OF FINDINGS - Attach a sit	e map showii	ng sampling	point locations,	transects, impo	rtant featur	es, etc.		
Hydrophytic Vegetation Present? Yes X	No							
Hydric Soil Present? Yes X	No	Is the	Sampled Area					
Wetland Hydrology Present? YesX	No	withi	n a Wetland?	Yes >	<u> </u>	No		
Remarks:								
The preceding three months were wetter than norm evaluating hydrology. Sample plot meets 3 of 3 wetle	and criteria, is loca		end of the dry season	so dry season condit	ions were still c	onsidered	when	
VEGETATION – Use scientific names of	<u>'</u>	Daminant	la dia atau	Dominonos Took W	lawkahaat.			
Torre Otations (District Sur)	Absolute	Dominant	Indicator	Dominance Test W				
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Dominan	•	0	<b>(A)</b>	
Populus balsamifera     Francula purabiana	<u>15</u> 5	Yes Yes	- FAC FAC	That Are OBL, FAC	-	6	— <sup>(A)</sup>	
<ul><li>2. Frangula purshiana</li><li>3.</li></ul>		res		Total Number of Dor Species Across All S		7	(B)	
4.				Percent of Dominant	-		<b>—</b> (B)	
	20	= Total Cover	<del></del>	That Are OBL, FAC	•	86	(A/B)	
Sapling/Shrub Stratum (Plot size: 3m)		= Total Gover		Prevalence Index w	<del></del>		(/// // //	
Symphoricarpos albus	60	Yes	FACU	Total % Cover of:		oly by:		
Lonicera involucrata	30	Yes	FAC	OBL species	x1=	<del>21<u>y 10</u>y .</del>		
Spiraea douglasii	30	Yes	FACW	FACW species	30 x2=	60	_	
4. Rubus spectabilis	20	No No	FAC	FAC species	$\frac{30}{85}$ $x3=$	255	_	
5. Rubus ursinus	10	No	FACU	FACU species	$\frac{30}{70}$ x4=	280	_	
Trabas distribus	150	= Total Cover		UPL species	x5=	0	_	
Herb Stratum (Plot size: 1m)				Column Totals:	185 (A)	595	— <sub>(B)</sub>	
Ranunculus repens	10	Yes	FAC	_			<b>-</b> `′	
2. Athyrium cyclosorum	5	Yes	FAC	Prevalence Inde	ex = B/A =	3.2	2	
3.				Hydrophytic Vegeta	ation Indicator	rs:		
4.					t for Hydrophyti		on	
5.				X 2 - Dominance	e Test is >50%			
6.				3 - Prevalence	e Index is ≤3.0¹			
7.				4 - Morpholog	ical Adaptation	s¹ (Provide	)	
8.				data in Re	emarks or on a	separate s	sheet)	
9.				5 - Wetland N	on-Vascular Pla	ants¹		
10.				Problematic H	lydrophytic Veg	jetation¹ (E	xplain)	
11.				<sup>1</sup> Indicators of hydric	soil and wetlan	d hydrolog	y	
	15	= Total Cover		must be present, un	less disturbed o	or problema	atic.	
Woody Vine Stratum (Plot size:)								
1				Hydrophytic				
2.				Vegetation	Yes X	No		
		= Total Cover		Present?			_	
% Bare Ground in Herb Stratum 85	% Cov	er of Biotic Crus	t					
Remarks:				1				
Sample plot meets dominance test but not prevalen	ce index for hydro	phytic vegetatio	n.					

SOIL Sampling Point: SP WFW 5-1

Depth							ence of indicators.)	
_	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture	Remarks
0-14	10YR 2/1	100					Silt Loam	
14-18	10YR 4/2	95	10YR 4/4	5	C	M	Sandy Loam	
	_							
¹Type: C= Cond	centration, D= Deplet	ion, RM=Reduc	ced Matrix, CS=Covere	ed or Coat	ted Sand G	rains.	²Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil Ind	licators: (Applicable	e to all LRRs, u	unless otherwise not	ed.)			Indicators for Probl	ematic Hydric Soils³:
Histosol	(A1)	_	Sandy Redox (S5	)			2 cm Muck (A	110)
—— Histic Ep	oipedon (A2)	_	Stripped Matrix (S	86)			Red Parent M	laterial (TF2)
Black His		_	Loamy Mucky Mir		(except ML	.RLA 1)		Dark Surface (TF12)
	en Sulfide (A4)	_	Loamy Gleyed Ma	, ,			Other (Explai	n in Remarks)
	d Below Dark Surface	· (A11)	Depleted Matrix (I					
	ark Surface (A12)	_	Redox Dark Surfa				•	ophytic vegetation and
	Mucky Mineral (S1)	_	Depleted Dark Su		1			y must be present,
	Gleyed Matrix (S4)	_	Redox Depression	ns (F8)			unless disturbed	or problematic.
	ayer (if present):							
Type:								
Depth (ir	nches): 						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
Sample plot me	ets hydric soil indicat	or A12, Thick D	ark Surface.					
HYDROLOG								
	·v							
Wetland Hydi	rology Indicators:	o roquirod, obo	ok all that apply)				Cocondon, Indicate	nra (2 ar mara raquirad)
Wetland Hydro	rology Indicators: ators (minimum of on	e required; che	,	ovos (PO)	/oveent			ors (2 or more required)
Wetland Hydromary Indica	rology Indicators: ators (minimum of on Water (A1)	e required; che	Water-Stained Le	` '	(except		Water Staine	d Leaves (B9) ( <b>MRLA 1, 2,</b>
Wetland Hydromary Indica  X Surface  X High Wa	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2)	e required; che	Water-Stained Le	` '	(except		Water Stained	d Leaves (B9) ( <b>MRLA 1, 2,</b>
Wetland Hydromann Primary Indicators X Surface X High Wa X Saturation	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3)	e required; che _ _	Water-Stained Le MRLA 1, 2, 4A Salt Crust (B11)	, and 4B)			Water Stainer 4A, and 4E Drainage Pat	d Leaves (B9) ( <b>MRLA 1, 2,</b> B) terns (B10)
Wetland Hydroman Primary Indication  X Surface X High Wa X Saturation  Water M	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1)	e required; che - - -	Water-Stained Le MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra	, <b>and 4B</b> )	•		Water Stainer 4A, and 4E Drainage Pat Dry-Season V	d Leaves (B9) ( <b>MRLA 1, 2,</b> B) terns (B10) Vater Table (C2)
Wetland Hydromann Methods    Wetland Hydromann Methods    X Surface    X High Wa    X Saturatio    Water M    Sedimen	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2)	e required; che - - - -	Water-Stained Le MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide	, <b>and 4B</b> ) ates (B13) Odor (C1)	)	oots (C3)	Water Stainer 4A, and 4E Drainage Pat Dry-Season V Saturation Vis	d Leaves (B9) ( <b>MRLA 1, 2,</b> B)  terns (B10)  Vater Table (C2)  sible on Aeriel Imagery (C9)
Wetland Hydroman Primary Indica  X Surface  X High Wa  X Saturation  Water M  Sediment  Drift Dep	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)	e required; che - - - -	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp	, and 4B) ates (B13) Odor (C1) heres alor	) ng Living R	oots (C3)	Water Stainer 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2)
Wetland Hydromany Indication  X Surface of the Surf	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	e required; che - - - - -	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu	, and 4B) ates (B13) Odor (C1) heres alor	) ng Living R (C4)		Water Stainer 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3)
Wetland Hydromann Methods Meth	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	e required; che - - - - - -	Water-Stained Le MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	, and 4B)  ates (B13)  Odor (C1)  heres alor  uced Iron (  ction in Ti	) ng Living R (C4) Iled Soils (G	C6)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5)
Wetland Hydromann Primary Indication  X Surface of X High Wa   X Saturation Water M   Sedimen   Drift Dep   Algal Ma   Iron Dep   Surface of X   Iron Dep   Iro	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	- - - - - -	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	) ng Living R (C4) Iled Soils (G	C6)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3)
Wetland Hydroman Primary Indicators  X Surface X High Water M Sediment Drift Depton Algal Mater M Surface Surface Inundation	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	nagery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	) ng Living R (C4) Iled Soils (G	C6)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M	d Leaves (B9) (MRLA 1, 2, 3)  terns (B10)  Vater Table (C2)  sible on Aeriel Imagery (C9)  Position (D2)  tard (D3)  Test (D5)  ounds (D6) (LRR A)
Wetland Hydroman Primary Indicators  X Surface X High Water M Sediment Drift Depton Algal Mater M Surface Surface Inundation	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In	nagery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	) ng Living R (C4) Iled Soils (G	C6)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M	d Leaves (B9) (MRLA 1, 2, 3)  terns (B10)  Vater Table (C2)  sible on Aeriel Imagery (C9)  Position (D2)  tard (D3)  Test (D5)  ounds (D6) (LRR A)
Wetland Hydroman Primary Indicators  X Surface X High Water M Sediment Drift Deptor Algal Mater M Iron Deptor Surface Surface Sparsley	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In v Vegetated Concave	nagery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	) ng Living R (C4) Iled Soils (G	C6)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M	d Leaves (B9) (MRLA 1, 2, 3)  terns (B10)  Vater Table (C2)  sible on Aeriel Imagery (C9)  Position (D2)  tard (D3)  Test (D5)  ounds (D6) (LRR A)
Wetland Hydroman Primary Indication  X Surface X High Water M Sediment Drift Deptor Surface Surface Sparsley  Field Observer	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In v Vegetated Concave represent? Yes	magery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	) ng Living R (C4) Iled Soils (( (D1) ( <b>LRR</b>	C6)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M	d Leaves (B9) (MRLA 1, 2, 3)  terns (B10)  Vater Table (C2)  sible on Aeriel Imagery (C9)  Position (D2)  tard (D3)  Test (D5)  ounds (D6) (LRR A)
Wetland Hydromany Indication  X Surface X High Water M Sediment Drift Depton Algal Mater M Surface Inundation  Sparsley  Field Observation	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In v Vegetated Concave rations: ar Present? Yes Present? Yes	magery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress  Other (Explain in	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	) ng Living R (C4) Illed Soils ((D1) (LRR	C6) A)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Wetland Hydromany Indication  X Surface of X High Water M X Saturation Water M Sediment Drift Dept Algal Mater Inon Dept Surface of Inundation Sparsley  Field Observation Surface Water Table F	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In Vegetated Concave rations: ar Present? Yes esent? Yes	magery (B Surface (B8)  X No X No	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress  Other (Explain in  Depth (inches):  Depth (inches):	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants	2.00 0.0	C6) A)	Water Stainer 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M  Frost-Heave	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Wetland Hydro Primary Indica  X Surface of S	ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) on Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aeriel In Vegetated Concave ations: or Present? Yes esent? Yes esent? Yes	magery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress  Other (Explain in  Depth (inches):  Depth (inches):	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants Remarks)	2.00 0.0	C6) A) Wetland	Water Stained  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M  Frost-Heave	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Wetland Hydro Primary Indica  X Surface of S	ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) on Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aeriel In Vegetated Concave ations: or Present? Yes esent? Yes esent? Yes	magery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress  Other (Explain in  Depth (inches):  Depth (inches):	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants Remarks)	2.00 0.0	C6) A) Wetland	Water Stained  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M  Frost-Heave	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Wetland Hydromany Indication  X Surface of X High Water M Sediment Drift Depton Algal Mater More of Inundation Sparsley  Field Observation Surface Water Table For Saturation Precedence (includes capical Describe Records)	ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) on Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aeriel In Vegetated Concave ations: or Present? Yes esent? Yes esent? Yes	magery (B	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress  Other (Explain in  Depth (inches):  Depth (inches):	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants Remarks)	2.00 0.0	C6) A) Wetland	Water Stained  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vis  Geomorphic I  Shallow Aquit  FAC-Neutral  Raised Ant M  Frost-Heave	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Wetland Hydromany Indicated X Surface X High Water M Sediment Drift Depton Algal Mallron Depton Surface Surface Water Table F Saturation Precincludes capital Describe Record	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In v Vegetated Concave rations: ar Present? Yes pesent? Yes	magery (B Surface (B8)  X No X No X No	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in  Depth (inches): Depth (inches): Depth (inches):	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants Remarks)	2.00 0.0 epections),	Wetland	Water Stainer 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)
Wetland Hydromany Indicated X Surface X High Water M Sediment Drift Depton Algal Mallron Depton Surface Surface Water Table F Saturation Precincludes capital Describe Record	rology Indicators: ators (minimum of on Water (A1) ater Tables (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aeriel In v Vegetated Concave rations: ar Present? Yes pesent? Yes	magery (B Surface (B8)  X No X No X No	Water-Stained Le  MRLA 1, 2, 4A  Salt Crust (B11)  Aquatic Invertebra  Hydrogen Sulfide  Oxidized Rhizosp  Presence of Redu  Recent Iron Redu  Stunted or Stress  Other (Explain in  Depth (inches):  Depth (inches):	, and 4B) ates (B13) Odor (C1) heres alor uced Iron ( ction in Ti ed Plants Remarks)	2.00 0.0 epections),	Wetland	Water Stainer 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit FAC-Neutral Raised Ant M Frost-Heave	d Leaves (B9) (MRLA 1, 2, 3) terns (B10) Vater Table (C2) sible on Aeriel Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	te: 10/23/201	19	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Po	int: SP WFW	5-2	
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Toeslope		Local Reli	ef (concave, convex,	none): Convex	Slo	ppe(%): 2	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2917	<u>–</u> '29 Long:	-122.307503	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy lo	oam	_	NWI Classific	cation: UPL			
Are climatic / hydrologic conditions on the site typi	cal for this time of	year? Yes	S No X	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrology	significantly d	isturbed?	Are "Normal Circun	nstances" present?	Yes	X N	10
Are Vegetation: Soil or Hydrology	naturally prob	lematic?	(If needed, explain	any answers in Rema	arks.)		
SUMMARY OF FINDINGS - Attach a si	ite map showi	ng sampling	point locations	, transects, imp	ortant feat	ures, etc.	
Hydrophytic Vegetation Present? Yes	No X						
Hydric Soil Present? Yes	No X	Is the	Sampled Area				
Wetland Hydrology Present? Yes	No X	withii	n a Wetland?	Yes		No X	
Remarks:		-					
At toe of slope, just upslope from edge of wetland however, site visit occurred at end of the dry seasonot located in a wetland.	on so dry season o						
VEGETATION – Use scientific names	_ ·			T=			
	Absolute	Dominant	Indicator	Dominance Test \			
Tree Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•	_	(A)
1. Thuja plicata	30	Yes	- FAC FACU	That Are OBL, FAC	•	1	(A)
<ol> <li>Pseudotsuga menziesii</li> <li>Populus balsamifera</li> </ol>	<del>30</del>	Yes No	- FACU FAC	Total Number of Do		E	(D)
4.			- — FAC	Percent of Dominar		5	— <sup>(B)</sup>
<del></del>	70	= Total Cover		That Are OBL, FAC	•	20	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= Total Cover		Prevalence Index	-		(/// //
Gaultheria shallon	40	Yes	FACU	Total % Cover of:		ıltiply by:	
Rubus ursinus	40	Yes	- FACU	OBL species	x1:		
3. Holodiscus discolor	7	No	- FACU	FACW species	x2:		_
Oemleria cerasiformis	5	No	- FACU	FAC species	40 x3:		_
5.				FACU species	137 x4:		_
·	92	= Total Cover		UPL species	x5:		_
Herb Stratum (Plot size: 1m)				Column Totals:	177 (A)	668	— (B)
Polystichum munitum	15	Yes	FACU		``,		<b>—</b> `´
2.				Prevalence Ind	ex = B/A=	3.7	77
3.				Hydrophytic Vege	tation Indica	tors:	
4.				1 - Rapid Tes	st for Hydroph	ytic Vegetati	ion
5.				2 - Dominano	ce Test is >50	%	
6.				3 - Prevalenc	e Index is ≤3.	.0¹	
7.				4 - Morpholo	gical Adaptati	ons¹ (Provide	е
					omarka ar an	a separate s	sheet)
8.				data in F	ternarks or on	•	
8. 9.					Non-Vascular		
9.				5 - Wetland N		Plants <sup>1</sup>	Explain)
				5 - Wetland N Problematic	Non-Vascular Hydrophytic V c soil and wetl	Plants <sup>1</sup> 'egetation <sup>1</sup> (E and hydrolog	ЭУ
9. 10. 11.	15	= Total Cover		5 - Wetland N	Non-Vascular Hydrophytic V c soil and wetl	Plants <sup>1</sup> 'egetation <sup>1</sup> (E and hydrolog	ЭУ
9. 10. 11. Woody Vine Stratum (Plot size: )	15	= Total Cover		5 - Wetland Neroblematic Indicators of hydric must be present, un	Non-Vascular Hydrophytic V c soil and wetl	Plants <sup>1</sup> 'egetation <sup>1</sup> (E and hydrolog	ЭУ
9. 10. 11. Woody Vine Stratum (Plot size: ) 1.	15	= Total Cover		5 - Wetland N Problematic Indicators of hydric must be present, un	Non-Vascular Hydrophytic V c soil and wetl nless disturbe	Plants¹ 'egetation¹ (E and hydroloo d or problem	gy latic.
9. 10. 11. Woody Vine Stratum (Plot size: )	15			5 - Wetland No Problematic Indicators of hydric must be present, under Hydrophytic Vegetation	Non-Vascular Hydrophytic V c soil and wetl	Plants <sup>1</sup> 'egetation <sup>1</sup> (E and hydrolog	gy latic.
9. 10. 11. Woody Vine Stratum (Plot size: ) 1.		= Total Cover  = Total Cover  ver of Biotic Crus		5 - Wetland N Problematic Indicators of hydric must be present, un	Non-Vascular Hydrophytic V c soil and wetl nless disturbe	Plants¹ 'egetation¹ (E and hydroloo d or problem	gy latic.

**SOIL** Sampling Point: SP WFW 5-2

Depth	r <b>iption: (Describe t</b> o Matri:	•	eaea		Indicator of lox Feature		tne abse	ence of indicators.)			
(inches)	Color (moist)	<u> </u>		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	rke		
<u> </u>	<u> </u>			Color (moist)					Remar	<del></del>	
0-18	7.5YR 3/4	100						Sandy Loam			
	-										
			_								
	-										
1T 0 0		Jation DM De		I Matrice OC Care		+I CI C		21	. Di Dana Linina	. 14 14-4	
	oncentration, D= Dep ndicators: (Applica					ied Sand G		Indicators for Problem	n: PL=Pore Lining		IIX.
-	ol (A1)	IDIE IO AII ENN	is, uiii	Sandy Redox (S				2 cm Muck (A10	-	<b>.</b>	
	Epipedon (A2)		_	Stripped Matrix (	•			Red Parent Mat	•		
	Histic (A3)			Loamy Mucky M	,	(except MI	RIA1)		eriai (11 2) ark Surface (TF12	·)	
	gen Sulfide (A4)		_	Loamy Gleyed N		(CXCCPI IVIL	1127(1)	Other (Explain i		,	
	ted Below Dark Surf	ace (A11)		Depleted Matrix				Out of (Explain)	i riomano,		
	Dark Surface (A12)	,		Redox Dark Sur				<sup>3</sup> Indicators of hydroph	nvtic vegetation ar	nd	
	Mucky Mineral (S1)			<ul><li>Depleted Dark S</li></ul>		)		wetland hydrology	-		
	Gleyed Matrix (S4)			_ · Redox Depressi		,		unless disturbed or	•		
Restrictive	Layer (if present):								<u> </u>		
Type:	, , , ,										
Depth	(inches):		_					Hydric Soil Present	? Yes	No	Х
Remarks:			_					-			
HYDROLC Wetland Hy	OGY ydrology Indicators	:									
Primary Ind	icators (minimum of	one required;	check	all that apply)				Secondary Indicators			_
	ce Water (A1)			_ Water-Stained L	, ,	•			eaves (B9) (MRL	A 1, 2,	
	Vater Tables (A2)			MRLA 1, 2, 4				4A, and 4B)			
	ation (A3)			Salt Crust (B11)				Drainage Patter	, ,		
	Marks (B1)			_ Aquatic Inverteb	, ,			Dry-Season Wa	• •	(00)	
	ent Deposits (B2)		_	_ Hydrogen Sulfide			nata (C2)		le on Aeriel Image	ry (C9)	
	eposits (B3)  Mat or Crust (B4)			Oxidized Rhizos Presence of Red		-	oois (C3)	Geomorphic Po Shallow Aquitar			
	eposits (B5)			- Recent Iron Red			36)	FAC-Neutral Te			
	ce Soil Cracks (B6)			Stunted or Stres		•	,		inds (D6) ( <b>LRR A</b> )	1	
	ation Visible on Aerie	el Imagery (B		Other (Explain ir			- •,	Frost-Heave Hu			
	ley Vegetated Conca		B) —		, , , , , , , , , , , , , , , , , , , ,						
Field Obse											-
	iter Present? Yes	No	Х	Depth (inches):							
Water Table			Х	Depth (inches):							
Saturation I	Present? Yes	No	Х	Depth (inches):			Wetland	d Hydrology Present?	Yes	No	X
(includes ca	apillary fringe)			_						_	
Describe Rec	orded Date (stream	gauge, monito	ring w	ell, aerial photos, p	previous ins	spections), i	f availabl	e:			
D !											
Remarks:											
ino primary or	secondary indicator	s observed.									

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ate: 10/23/	/2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Po	oint: SP W	FW 6-1		
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S	S21			
Landform (hillslope, terrace, etc.): Channel		Local Reli	ef (concave, convex,	none): Concave		Slope	(%): 1	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.297	 321 Long:	-122.304733	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy lo	pam		NWI Classific	cation: PSS				
Are climatic / hydrologic conditions on the site typic	cal for this time of	year? Yes	No X	(If No, explain in R	emarks)			
Are Vegetation: Soil or Hydrology	significantly of	disturbed?	Are "Normal Circur	nstances" present?	Yes	X	. N	lo
Are Vegetation: Soil or Hydrology	naturally prob	olematic?	(If needed, explain	any answers in Rem	arks.)			
SUMMARY OF FINDINGS - Attach a si	te map show	ing sampling	point locations	, transects, imp	ortant fe	eatur	es, etc.	
Hydrophytic Vegetation Present? Yes	X No							
Hydric Soil Present? Yes	X No	Is the	Sampled Area					
Wetland Hydrology Present? Yes	X No	withir	n a Wetland?	Yes	Χ		No	
Remarks:								
Swale feature likely associated with construction o plot has 3 of 3 criteria, is located in a WFW-6.		ormwater runoff fro	om multiple culverts.	Conditions wetter tha	an normal f	or time	of year.	Sample
VEGETATION – Use scientific names	<u> </u>	Daminant	la dia atau	Daminana Taat	10/ a vl. a la a a			
Trace Otations (Dist sizes Fee)	Absolute	Dominant	Indicator	Dominance Test				
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status Status	Number of Domina	•		0	/A\
1. 2.			_	That Are OBL, FAC	•	): _	3	— <sup>(A)</sup>
3.			_	Species Across All			4	(B)
4.			_	Percent of Domina		_		<b>—</b> (D)
<u> </u>		= Total Cover	_	That Are OBL, FAC	•		75	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		= Total Cover		Prevalence Index			73	(/// //
Rubus spectabilis	30	Yes	FAC	Total % Cover of:	WOIKSHEE	Multip	lv bv	
2. Rubus ursinus	15	Yes	FACU	OBL species		x1=	<u>19 09.</u>	
3. Oemleria cerasiformis	5	No	- FACU	FACW species		.^' _x2=	0	_
4.				FAC species	90	. ×3=	270	_
5.			_	FACU species	33	. x4=	132	
	50	= Total Cover	_	UPL species		×5=	0	_
Herb Stratum (Plot size: 1m)				Column Totals:	123	(A)	402	— (B)
Tolmiea menziesii	40	Yes	FAC			· ` <i>´</i> –		<b>-</b> `´
2. Athyrium cyclosorum	20	Yes	FAC	Prevalence Inc	dex = B/A=		3.2	27
3. Polystichum munitum	10	No	FACU	Hydrophytic Vege	etation Ind	icator	s:	
							Voqetati	on
4. Geranium robertianum	3	No	FACU	1 - Rapid Te	st for Hydr	ophytic	vegetati	
<ul><li>4. Geranium robertianum</li><li>5.</li></ul>	3	No		1 - Rapid Te X 2 - Dominan	•		vegetati	
	3	No		<u> </u>	ce Test is :	>50%	vegetati	
5.	3	No		X 2 - Dominan	ce Test is : ce Index is	>50% ≤3.0¹	-	e
5. 6. 7.	3	No		X 2 - Dominan 3 - Prevalen 4 - Morpholo	ce Test is : ce Index is	>50% ≤3.0¹ otations	s¹ (Provide	
5. 6. 7. 8.	3	No		X 2 - Dominan 3 - Prevalen 4 - Morpholo	ce Test is a ce Index is ogical Adap Remarks of	>50% ≤3.0¹ otations r on a s	s¹ (Provide separate s	
5. 6. 7. 8. 9.	3	No		X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F	ce Test is : ce Index is ogical Adap Remarks of Non-Vascu	>50% ≤3.0¹ otations r on a s ular Pla	s¹ (Provide separate s nts¹	sheet)
5. 6. 7. 8. 9.			FACU	X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F 5 - Wetland Problematic  Indicators of hydri	ce Test is : ce Index is ogical Adap Remarks or Non-Vascu Hydrophyt c soil and v	>50% ≤3.0¹ otations r on a sular Pla ic Vege wetlance	s¹ (Provide separate s nts¹ etation¹ (E d hydrolog	sheet) Explain)
5. 6. 7. 8. 9.	73	No  = Total Cover	FACU	X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F 5 - Wetland Problematic	ce Test is : ce Index is ogical Adap Remarks or Non-Vascu Hydrophyt c soil and v	>50% ≤3.0¹ otations r on a sular Pla ic Vege wetlance	s¹ (Provide separate s nts¹ etation¹ (E d hydrolog	sheet) Explain)
5. 6. 7. 8. 9. 10.			FACU	X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F 5 - Wetland Problematic  Indicators of hydri	ce Test is : ce Index is ogical Adap Remarks or Non-Vascu Hydrophyt c soil and v	>50% ≤3.0¹ otations r on a sular Pla ic Vege wetlance	s¹ (Provide separate s nts¹ etation¹ (E d hydrolog	sheet) Explain)
5. 6. 7. 8. 9. 10. 11.  Woody Vine Stratum (Plot size: )			FACU	X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F 5 - Wetland Problematic Indicators of hydri must be present, u	ce Test is : ce Index is ogical Adap Remarks or Non-Vascu Hydrophyt c soil and v	>50% <a>3.0¹</a> <a>tations</a> <a>r on a s</a> <a>ular Pla</a> <a>ic Vega</a> <a>wetlance</a>	s¹ (Provide separate s nts¹ etation¹ (E d hydrolog	sheet) Explain)
5. 6. 7. 8. 9. 10. 11.  Woody Vine Stratum (Plot size: ) 1.		= Total Cover	FACU	X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F 5 - Wetland Problematic  Indicators of hydri must be present, u  Hydrophytic Vegetation	ce Test is : ce Index is ogical Adap Remarks or Non-Vascu Hydrophyt c soil and v nless distu	>50% <a>3.0¹</a> <a>tations</a> <a>r on a s</a> <a>ular Pla</a> <a>ic Vega</a> <a>wetlance</a>	s <sup>1</sup> (Provide separate s nts <sup>1</sup> etation <sup>1</sup> (E d hydrolog r problem	sheet) Explain)
5.	73		FACU	X 2 - Dominan 3 - Prevalen 4 - Morpholo data in F 5 - Wetland Problematic Indicators of hydri must be present, u	ce Test is : ce Index is ogical Adap Remarks or Non-Vascu Hydrophyt c soil and v nless distu	>50%  50% 53.0¹ otations r on a sular Platic Vegu wetland orbed o	s <sup>1</sup> (Provide separate s nts <sup>1</sup> etation <sup>1</sup> (E d hydrolog r problem	sheet) Explain)

SOIL Sampling Point: SP WFW 6-1

	•	•	needed to document the ir			the abse	ence of indicators.)	
Depth	Ma		_	x Feature				
(inches)	Color (moist)	%	Color (moist)	<u></u> %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 3/2	95	10YR 4/6	5	C	M	Sandy Loam	
			_				. <u></u>	
			_					
¹Type: C= Co	oncentration, D= D	epletion, RM=F	Reduced Matrix, CS=Covere	ed or Coa	ted Sand G	rains.	<sup>2</sup> Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil In	ndicators: (Appli	cable to all LR	Rs, unless otherwise note	ed.)			Indicators for Problem	natic Hydric Soils³:
Histos	ol (A1)		Sandy Redox (S5)	)			2 cm Muck (A10	<b>)</b> )
Histic	Epipedon (A2)		Stripped Matrix (S	6)			Red Parent Mate	erial (TF2)
Black	Histic (A3)		Loamy Mucky Min	eral (F1)	(except ML	RLA 1)	Very Shallow Da	ark Surface (TF12)
Hydro	gen Sulfide (A4)		Loamy Gleyed Ma	trix (F2)			Other (Explain in	n Remarks)
Deplet	ted Below Dark Su	ırface (A11)	Depleted Matrix (F	<del>-</del> 3)				
Thick	Dark Surface (A12	2)	X Redox Dark Surfa	ce (F6)			<sup>3</sup> Indicators of hydroph	nytic vegetation and
l ——	Mucky Mineral (S	•	Depleted Dark Su	rface (F7	)		wetland hydrology r	nust be present,
Sandy	Gleyed Matrix (S	4)	Redox Depression	ns (F8)			unless disturbed or	problematic.
Restrictive	Layer (if present	:):						
Type:	Quarry spall							
Depth	(inches): 10	6	<u> </u>				Hydric Soil Present?	? Yes X No
Remarks:								
HYDROLC	)GY							
	/drology Indicate	ire.						
1			; check all that apply)				Secondary Indicators	: (2 or more required)
	e Water (A1)	or one required	Water-Stained Lea	aves (R9)	(excent			Leaves (B9) ( <b>MRLA 1, 2,</b>
	Vater Tables (A2)		MRLA 1, 2, 4A,	` '	•		4A, and 4B)	.oavoo (50) (IIII EA 1, 2,
X Satura	, ,		Salt Crust (B11)	,			Drainage Patter	ns (B10)
	Marks (B1)		Aquatic Invertebra	ites (B13)	)		Dry-Season Wa	
	ent Deposits (B2)		Hydrogen Sulfide					le on Aeriel Imagery (C9)
	eposits (B3)		Oxidized Rhizospl			oots (C3)		
Algal N	Mat or Crust (B4)		Presence of Redu		-	,	Shallow Aquitare	d (D3)
	eposits (B5)		Recent Iron Redu			26)	FAC-Neutral Te	
Surfac	e Soil Cracks (B6	)	Stunted or Stresse	ed Plants	(D1) ( <b>LRR</b>	<b>A</b> )	Raised Ant Mou	inds (D6) ( <b>LRR A</b> )
Inunda	ation Visible on Ae	riel <b>I</b> magery (B	Other (Explain in I	Remarks)	)		Frost-Heave Hu	mmocks (D7)
Sparsl	ley Vegetated Cor	cave Surface (	38)					
Field Obse	rvations:							
Surface Wa	iter Present? Y	es X No	Depth (inches):		0.50			
Water Table	e Present? Y	es X No	Depth (inches):		0.0			
Saturation F	Present? Y	es X No	Depth (inches):		0.0	Wetland	d Hydrology Present?	Yes X No
(includes ca	apillary fringe)							
Describe Rec	orded Date (strea	m gauge, monit	oring well, aerial photos, pre	evious ins	spections), i	f availabl	le:	
	`							
Remarks:								
Sample plot n	neets primary hyd	ology indicators	s for surface water, high wa	ter table,	and saturat	ion.		
	. ,							

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	te: 10/23	/2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Poi	int: SP W	FW 6-2	2	
Investigators: STORY, PACE			Section, Township,	Range: T21N R4E S2	21			
Landform (hillslope, terrace, etc.): Toeslope		Local Rel	ief (concave, convex,	none): Convex		Slope	(%): 0	
Subregion (LRR): A	Lat: 47.2974	47 Long	-122.304787	Datum:	WGS84			
Soil Map Unit Name: Alderwood gravelly sandy lo	am		NWI Classific	cation: UPL				
Are climatic / hydrologic conditions on the site typic	al for this time of y	vear? Yes	s No_X	(If No, explain in Re	emarks)			
Are Vegetation: Soil or Hydrology _	significantly di	sturbed?	Are "Normal Circun	nstances" present?	Yes	>	<u> </u>	lo
Are Vegetation: Soil or Hydrology _	naturally probl	ematic?	(If needed, explain	any answers in Rema	arks.)			
SUMMARY OF FINDINGS - Attach a sit	te map showii	ng sampling	point locations	, transects, impo	ortant fe	eatur	es, etc.	
Hydrophytic Vegetation Present? Yes	No X							
Hydric Soil Present? Yes	No X	Is the	Sampled Area					
Wetland Hydrology Present? Yes	No _X	withi	n a Wetland?	Yes			No X	
Remarks:								
The preceding three months were wetter than norm evaluating hydrology. Sample plot has 0 of 3 wetlar	nd criteria, is not lo				tions were	e still c	onsidered	when
VEGETATION – Use scientific names of	of plants.							
	Absolute	Dominant	Indicator	Dominance Test V				
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Dominar	•			
Pseudotsuga menziesii	35	Yes	FACU	That Are OBL, FAC	•	D: _	0	_ <sup>(A)</sup>
2.				Total Number of Do			•	<b>(D)</b>
3.				Species Across All		_	2	— <sup>(B)</sup>
4		Tatal Cause	<del>.</del> ———	Percent of Dominar	•		0	(A /D)
Cooling (Church Church III)	35	= Total Cover		That Are OBL, FAC			0	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)	20	V	FACU	Prevalence Index	worksnee		.h. b	
1. Rubus ursinus	30	Yes	- FACU	Total % Cover of:		Multip	oly by:	
2. Acer circinatum	10	No No	FAC	OBL species		. x1= _		_
3. Rubus armeniacus  Thuis plicate	10	No No	FAC FAC	FACW species	20	. x2= _	90	_
<ul><li>4. Thuja plicata</li><li>5. Acer macrophyllum</li></ul>	<u>10</u>	No	FACU	FAC species FACU species	30 84	. <sup>x3=</sup> - x4=	336	_
5. Acer macrophyllum	79	= Total Cover		UPL species	04	· <sup>×4=</sup> - ×5=	0	_
Herb Stratum (Plot size: 1m)		- Total Gover		Column Totals:	114	· (A)	426	— (B)
1.				-	117	- (/-) –	720	<b>—</b> (B)
2.				Prevalence Inde	ex = B/A=		3.7	'4
3.				Hydrophytic Veget				•
4.			_	1 - Rapid Tes				on
5.				2 - Dominano			ŭ	
6.				3 - Prevalenc	e Index is	≤3.0¹		
7.				4 - Morpholog	gical Adap	otations	s¹ (Provide	)
8.				data in R	emarks o	r on a	separate s	sheet)
9.				5 - Wetland N	lon-Vascı	ılar Pla	ants¹	
10.				Problematic I	Hydrophyt	ic Veg	etation¹ (E	xplain)
11.				<sup>1</sup> Indicators of hydric	soil and	wetland	d hydrolog	ıy
		= Total Cover		must be present, ur	nless distu	ırbed o	r problem	atic.
Woody Vine Stratum (Plot size:)								
1				Hydrophytic				
2.				Vegetation	Yes		No X	_
		= Total Cover		Present?				
% Bare Ground in Herb Stratum 100		er of Biotic Crus	t					
Remarks:								
Sample plot does not meet dominance test or preva	alence index for hy	drophytic veget	ation.					

SOIL Sampling Point: SP WFW 6-2

Depth	r <b>iption: (Describe t</b> Matri	•	eaea		indicator of lox Feature		ıne abse	ence of indicators.)			
(inches)	Color (moist)	<u>^</u> %		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Ren	narks	
<u> </u>				Color (moist)		<del>Туре</del>		Silt Loam	11611	laiks	
0-18	10YR 3/3	100						— Sill Loaiii			
1T 0 0		alatian DM Da		I Matrix OC Cava				21	n. Di Davalia	: M M-4	
	oncentration, D= Dendicators: (Applications)					led Sand G		Indicators for Proble	n: PL=Pore Lin		ITIX.
-	ol (A1)	able to all Enn	is, uiii	Sandy Redox (S				2 cm Muck (A1	-	JIIS .	
	Epipedon (A2)			Stripped Matrix (	•			Red Parent Ma	•		
	Histic (A3)			Loamy Mucky M	,	(excent MI	RIA1)		ark Surface (TF	:12)	
	gen Sulfide (A4)			Loamy Gleyed N		(CXCCPI WIL	1127(1)	Other (Explain		12)	
	ted Below Dark Surf	ace (A11)	-	Depleted Matrix					iii riomano,		
	Dark Surface (A12)	,		Redox Dark Surf				<sup>3</sup> Indicators of hydrop	hvtic vegetation	and	
	Mucky Mineral (S1	)	-	<ul> <li>Depleted Dark S</li> </ul>		)		wetland hydrology			
	Gleyed Matrix (S4)			_ · Redox Depression				unless disturbed of	· ·		
Restrictive	Layer (if present):			<u> </u>					<u> </u>		
Type:	, , ,										
Depth	(inches):		_					Hydric Soil Present	? Yes	No	X
Remarks:	<del></del>		_					-			
HYDROLC Wetland Hy	OGY /drology Indicators	s:									
Primary Ind	icators (minimum of	one required;	check	all that apply)				Secondary Indicators			_
	e Water (A1)			_ Water-Stained L _	` '	(except		Water Stained	Leaves (B9) ( <b>M</b> I	RLA 1, 2,	
	Vater Tables (A2)			MRLA 1, 2, 4				<b>4A</b> , and <b>4B</b> )			
	ation (A3)			Salt Crust (B11)				Drainage Patte	, ,		
	Marks (B1)			_ Aquatic Inverteb	, ,			Dry-Season Wa	, ,	(00)	
	ent Deposits (B2)			_ Hydrogen Sulfide			(00)		ole on Aeriel Ima	agery (C9)	
	eposits (B3) Mat or Crust (B4)			Oxidized Rhizos	•	-	oots (C3)				
	eposits (B5)			Presence of Rec Recent Iron Red			26)	Shallow Aquita FAC-Neutral Te			
	e Soil Cracks (B6)			Stunted or Stres		`	,		unds (D6) ( <b>LRR</b>	Δ)	
	ation Visible on Aeri	el Imagery (B		Other (Explain in		(B1) ( <b>LIII</b>	Α,	Frost-Heave Hu		~,	
	ley Vegetated Conc		3)	_							
Field Obse		,	- /				Г				
	iter Present? Yes	s No	Х	Depth (inches):							
Water Table			Х	Depth (inches):							
Saturation F	Present? Yes	No	Х	Depth (inches):			Wetland	d Hydrology Present?	Yes	No	X
(includes ca	apillary fringe)			_					_		
Describe Rec	orded Date (stream	gauge monitor	rina we	ell aerial photos n	revious ins	nections) i	<b>I</b> f availabl	<u>٠</u> .			
20001120 1100	ordod Dato (otrodin	gaago, mome	9	on, aonai priotos, p	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· availabl	<b>.</b>			
Remarks:											
	secondary indicato	rs of wetland h	/drolo	gy observed.							
', 5.	,										

Project/Site: 0	OMFS and	TDLE			C	ity/County:	Federal V	Vay, Kir	ng County			Samplin	ng Date:		11/6/2019
Applicant/Owner:	Sound	Transit							State	e:	WA	_ s	ampling l	Point:	WFW-07-SP1
Investigator(s):	Steve h	Krueger, Aaron Thom					_	Sec	tion, Townshi	p, Rang	e:		T21N R0	4E S1	6
Landform (hillslope	e, terrace, e	tc.):		stream be	ench		Loc	cal relie	f (concave, con	vex, none	e):	convex		Slope	(%): <3%
Subregion (LRR):	: Northw	est Forests and Coast	(LRR A	·))	Lat:	47.309896	_	Long:	-122.3023	92			Datum:		NAD 1983
Soil Unit (Name-I	ID-Hydric F	Rating):Arents, Alder	wood m	aterial, 0 to	6 percent	slopes -	AmB		Not Hydric	_	NWI cl	assificati	on:		none
· · · · · · · · · · · · · · · · · · ·	Irologic cor	ditions on the site typic			•			Yes		No	Х	- '	explain in		•
Are Vegetation	No		_			gnificantly dis			'Normal Circu					Yes	X No
Are Vegetation	No		_	-		aturally proble		•	eeded, explair	•			•		
		NGS – Attach sit	e ma	p showi	ng san	npling poi	nt location	ons, t	ransects, i	impor	tant fe	atures	, etc.		
Hydrophytic Veg		esent?	Yes_	Х	No_		Is the Sa		A						
Hydric Soil Prese			Yes_	Х	No_			•							
Wetland Hydrolo	gy Presen	t? 	Yes_	Х	No_		within a	wetiar	10 ?	Yes _	Х	_	No		
_	Seattle Ta	coma International NOA	AA wea	ther statio	n. Precip	oitation was ab	oove the no	rmal ra	nge for the th	ree mon	iths prior	to the si	ite visit.		
Remarks: PEM wetland SP golf course.	for WFW-	07 located 2 meters eas	st of E.	Fork Hyle	bos Cree	ek along strea	m bench @	OHW <b>i</b>	M LB-11. The	stream	has bee	n heavily	modified	l and is	s adjacent to a
VEGETATION	N														
				Absolute		Dominant	Indicato	r	Dominance 1	Test wo	orksheet	t:			
Tree Stratum		(Plot size: 1m radius)		% Cover		Species?	<u>Status</u>		Number of D	ominant	Species	6			
1. none					_				That Are OBI	L, FACV	V, or FA	C:		1	(A)
2.					_										
3.					_				Total Numbe	r of Don	ninant				
4					_				Species Acro	ss All S	trata:			1	(B)
				0%	= Total	Cover									
Sapling/Shrub S	Stratum_	(Plot size: 1m radius			='				Percent of Do	ominant	Species	3			
1. Rubus armer	niacus			1%		No	FAC		That Are OBI	L, FACV	V, or FA	C:		<u>100%</u>	(A/B)
2.					_				Prevalence l	lndex w	orkshee	et:			
3.					_				Total %	Cover	of:	Multiply	y by:		_
4.									OBL species			x 1 =			
5.									FACW specie	es		x 2 =			
				1%	= Total	Cover			FAC species			x 3 =	_		
Herb Stratum		(Plot size: 1m radius)			_				FACU specie	es		x 4 =	_		
1. Phalaris arur	ndinacea			95%		Yes	FACW		UPL species	_		x 5 =	-		
2 Ranunculus	repens			3%	_	No	FAC		Column Tota	ls:		(A)	-		(B)
3 Equisetum te	elmateia			2%	_	No	FACW		Pi	revalend	ce Index	= B/A =	-		
4.					_				Hydrophytic	Vegeta	ation Ind	licators:			
5.									1 - Rapi	d Test f	or Hydro	phytic Ve	egetation		
6.									X 2 - Dom	inance <sup>·</sup>	Test is >	50%			
7.					_				3 - Prev	alence l	Index is :	≤3.0 <sup>1</sup>			
8.					_				4 - Morp	hologic	al Adapt	ations¹ (l	Provide s	upport	ing
9.					_				data	in Rema	arks or o	n a sepa	rate shee	et)	
10.					_				5 - Wetl	and Nor	n-Vascul	ar Plants	s <sup>1</sup>		
11.					_				Problem	natic Hy	drophytic	: Vegetat	tion (Expl	lain) <sup>1</sup>	
				100%	= Total	Cover			<sup>1</sup> Indicators of	hydric :	soil and	wetland I	hydrology	/ must	
Woody Vine Stra	atum_	(Plot size: 1m radius)	_		_				be present.						
1. <u>none</u>				0%											
2				001				_	Hydrop	•	v.		ķ1 -		
% Bare Ground	in Herb St	ratum 0%	-	0%	= Total	Cover			Vegetat Present		Yes	S X	No		
		-	_												
Remarks:															

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project No.: 554-1800-019 and -030

SOIL							Sampling Point:	WFW-07-SP1
Profile Description	on (Describe to the	depth needs	ed to document the	indicator or conf	irm the abse	nce of indicators):	· · ·	
Depth	Matrix			Redox F	eatures			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-4	10YR 2/2	100						
4-7	2.5Y 3/1	100						
7-9	5Y 4/1	100		-			SaL	decaying grass
9-20	10YR 4/1	100		-			CL	accajing grace
				·				
				·				
				·				
				·				
1T C-C	tration D-Danistian	DM-Dadua	ad Matrice CC-Causa		L Cusins 2	Lasations DL-Douglini	no NA-NAstriu	
2	tration, D=Depletion,					Location: PL=Pore Lini	•	
					= tine; vt = ve		e clay); - = light (less clay)	<del></del>
	tors (Applicable to	ali LKKS, ui					blematic Hydric Soils <sup>3</sup> :	
Histosol (A1)		•	Sandy Redox (S	•		2 cm Muck (A	•	
Histic Epipedo			Stripped Matrix			Red Parent M		
Black Histic (A	<b>N3</b> )		Loamy Mucky M	lineral (F1) (excep	t MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Sulf	fide (A4)		Loamy Gleyed N	Matrix (F2)		X Other (Explain	n in Remarks)	
Depleted Belo	w Dark Surface (A11	)	Depleted Matrix	(F3)				
Thick Dark Su	rface (A12)		Redox Dark Sur	face (F6)		<sup>3</sup> Indicators of hydro	ophytic vegetation and wetla	and
Sandy Mucky	Mineral (S1)		Depleted Dark S	Surface (F7)		•	present, unless disturbed of	
Sandy Gleyed	Matrix (S4)	,	Redox Depressi	ons (F8)		problematic.		
Restrictive Layer	(if present):							
Туре	: None					Hydric Soil		
Depth (inches):	N/A		<del>.</del>			Present?	Yes X	No
Remarks: Assumed to be hyd	dric based on aquic n	noisture regir	ne and fluvial entisol	. Decaying grass t	houghout laye	ers, proximity to floodpla	ain may explain lack of hydr	ic soil indicators
HYDROLOGY								
Wetland Hydrolog	gy Indicators:							
Primary Indicators	(minimum of one reg	uired; check	all that apply)	_		Secondary Indicate	ors (2 or more required)	
Surface Water				– .eaves (B9) (excer	t MI RA	· ·	d Leaves (B9) (MLRA 1, 2,	
X High Water Ta	• •	•	1, 2, 4A, and		OC IVILI OA	4A, and 4B	* * * * * * * * * * * * * * * * * * * *	
X Saturation (A3			Salt Crust (B11)	•		Drainage Patt	•	
Water Marks (	•	•	Aquatic Inverteb			<u> </u>	Vater Table (C2)	
						<del></del>		
Sediment Dep		,	Hydrogen Sulfid	*	D4- (O2)		sible on Aerial Imagery (C9)	
Drift Deposits				spheres along Livir	ig Roots (Ca)			
Algal Mat or C			Presence of Re	, ,	ilo (CC)	Shallow Aquit	• •	
Iron Deposits (	` '	•		luction in Tilled Sc		x FAC-Neutral	•	
Surface Soil C		(DZ)		sed Plants (D1) (L	.RR A)		ounds (D6) (LRR A)	
	ible on Aerial Imager		Other (Explain i	n Remarks)		Frost-Heave F	Hummocks (D7)	
Sparsely Vege	etated Concave Surfa	ce (B8)						
Field Observation	ıs:							
Surface Water Pre	esent? Yes_		No X	Depth (inches):		Wetland		
Water Table Prese	ent? Yes_	Х	No	Depth (inches):	12	Hydrology	Yes X	No
Saturation Present	t? Yes	Х	No	Depth (inches):	11	Present?		
(includes capillary	fringe)		<u></u>					
December 5	- d D-4- /-/	**						
Describe Record	ed Data (stream gau	ige, monito	ring well, aerial pho	tos, previous ins	pections), if	available:		
Remarks:								
itelliains.								

**Parametrix** 

Project No.: 554-1800-019 and -030

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project/Site: C	OMFS and	TDLE				City/County:	Federal V	Vay, Kii	ng County			Sampl	ing Date:		11/6/2019
Applicant/Owner:	Sound	Transit							State	e:	WA	_	Sampling i	Point:	WFW-07-SP2
Investigator(s):	Steve I	Kruger, Aaron Thom					_	Sec	ction, Township	, Rang	e:		T21N R0	)4E S1	6
Landform (hillslope	e, terrace, e	tc.):		hillslop	е		Loc	cal relie	ef (concave, conv	ex, none	e):	none		Slope	(%): >10%
Subregion (LRR):	Northw	est Forests and Coast	(LRR A)	))	Lat:	47.309893	_	Long:	-122.30241	18			Datum:	1	NAD 1983
Soil Unit (Name-II	D-Hydric F	Rating): Arents, Alde	rwood r	material, (	) to 6 pe	rcent slopes -	AmB		Not Hydric	<u> </u>	NWI cla	assificat	tion:	ı	none
•	rologic coi	nditions on the site typic			•			Yes		_ No _	Х	- '	explain in		
Are Vegetation	No		_			ignificantly dis			"Normal Circun					Yes _	No
Are Vegetation	No		_			aturally proble			eeded, explain	•					
		NGS – Attach sit	e map	showi	ng sai	mpling poi	nt location	ons, t	ransects, ir	mport	tant fe	atures	s, etc.		
Hydrophytic Veg		esent?	Yes_	Х	No_		la tha Ca								
Hydric Soil Prese			Yes_		No_	<u> </u>	Is the Sa	•	- 40						
Wetland Hydrolo	gy Presen	t?	Yes_		No_	<u> </u>	within a	wetiar	1a ?	Yes _		_	No	<u> </u>	
Precipitation: According to the S Remarks:	Seattle Ta	coma International NO	AA weat	her statio	n. Precij	pitation was ab	pove the no	rmal ra	inge for the thre	ee mon	ths prior	to the s	site visit.		
Upland SP for WF	FW-07 pai	red with WFW-07-SP1.	SP is ~	4m east a	and upsl	ope of East Fo	ork Hylebos	Creek	and 2m east o	of WFW	-07-SP1	•			
VEGETATION	V														
			-	Absolute		Dominant	Indicato	r	Dominance T	Test wo	rksheet	:			
Tree Stratum		(Plot size: 1m radius)	-	% Cover		Species?	Status		Number of Do	minant	Species	3			
1. none									That Are OBL	., FACV	V, or FA	<b>D</b> :		2	(A)
2.															
3.									Total Number	of Don	ninant				
4.									Species Acros	ss All S	trata:			3	(B)
				0%	= Total	Cover									
Sapling/Shrub S	tratum	(Plot size: 1m radius)			-				Percent of Do	minant	Species	;			
1. Ilex aquifoliui	m			12%		Yes	FACU		That Are OBL	, FACV	V, or FA	<b>C</b> :		<u>67%</u>	(A/B)
2. Rubus armer	niacus			5%	_	Yes	FAC		Prevalence In	ndex w	orkshee	et:			
3.									Total % 0	Cover c	of:	Multip	ly by:		_
4.					_				OBL species			x 1 =			
5.					_				FACW specie	s		x 2 =	·-		
				17%	= Total	Cover			FAC species			x 3 =	-		
Herb Stratum		(Plot size: 1m radius)			=				FACU species	s		x 4 =	-		
1. Equisetum te	elmateia			80%		Yes	FACW		UPL species			x 5 =	·-		
2.					_				Column Totals	s:		(A)	·-		(B)
3.					_				Pre	evalenc	e Index	= B/A =	= -		
4.					_				Hydrophytic	Vegeta	ition Ind	licators	:		
5.									1 - Rapid	d Test fo	or Hydro	phytic √	/egetation	I	
6.									X 2 - Domir	nance <sup>-</sup>	Test is >	50%			
7.									3 - Preva	alence I	ndex is s	≤3.0 <sup>1</sup>			
8.					_				4 - Morph	hologica	al Adapta	ations¹ (	(Provide s	upport	ing
9.					_				data ii	n Rema	arks or o	n a sep	arate shee	et)	
10.					_				5 - Wetla	and Nor	n-Vascul	ar Plant	.s <sup>1</sup>		
11.					_				Problema	atic Hyd	drophytic	Vegeta	ation (Expl	lain) <sup>1</sup>	
				80%	= Total	Cover			1Indicators of	hydric s	soil and	wetland	hydrology	y must	
Woody Vine Stra	atum_	(Plot size: 1m radius)			-				be present.						
1. <u>none</u>				0%	_										
2								_	Hydroph	•	v.	,	N1 -		
% Bare Ground i	in Herb Si	tratum 20%	_	0%	= Total	Cover			Vegetati Present?		Yes	- X	No		
									. 1000/10	-					
Remarks:															

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project No.: 554-1800-019 and -030

Sampling Point te of indicators):  Loc² Texture³ L GSaL	Remarks
L	Remarks
L	Remarks
GSaL	
<u> </u>	
cation: PL=Pore Lining, M=Matrix.	
fine; + = heavy (more clay); - = light (less clay)	)
Indicators for Problematic Hydric Soils <sup>3</sup> :	
2 cm Muck (A10)	
<del></del>	
2	
, , , ,	
problematic.	
Hydric Soil	
•	No X
Secondary Indicators (2 or more required)	
Water-Stained Leaves (B9) (MLRA 1, 2	,
4A, and 4B)	,
Drainage Patterns (B10)	
Drainage Patterns (B10) Dry-Season Water Table (C2)	
Dry-Season Water Table (C2)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)	9)
Dry-Season Water Table (C2)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)	9)
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland	
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland Hydrology Yes	9) No <u>X</u>
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland	
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland Hydrology Yes	
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland Hydrology Yes	
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland Hydrology Yes Present?	
Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)  Wetland Hydrology Yes Present?	
	Indicators for Problematic Hydric Soils <sup>3</sup> :  2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)  3Indicators of hydrophytic vegetation and we hydrology must be present, unless disturbed problematic.  Hydric Soil Present? Yes  Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2)

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES
Project No.: 554-1800-019 and -030

Project/Site: 0	OMFS and TDLE		City/County:	Federal Way	, King County	Sampling Date:	: 11/16/2019
Applicant/Owner:	Sound Transit				State: WA	Sampling	Point: WFW-07-SP3
Investigator(s):	Steve Krueger, Aaron Thom	า		_	Section, Township, Range:	T21N R	R04E S16
Landform (hillslope	e, terrace, etc.):	terrace		Local	relief (concave, convex, none):	none	Slope (%):<3%
Subregion (LRR):	Northwest Forests and Coa	st (LRR A))	Lat: 47.310171	Lo	ong:122.302239	Datum:	:NAD 1983
Soil Unit (Name-I	D-Hydric Rating): Arents, Al	Iderwood material, 0	to 6 percent slopes -	AmB	- Not Hydric NWI	classification:	none
Are climatic / hyd	rologic conditions on the site ty				res No X	(If no, explain i	n Remarks)
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed?	Are "Normal Circumstances" pre	esent?	Yes X No
Are Vegetation	X, Soil	, or Hydrology	naturally proble	ematic? (	(If needed, explain any answers	in Remarks.)	
SUMMARY O	F FINDINGS - Attach s	site map showin	g sampling poi	nt location	s, transects, important	features, etc.	
Hydrophytic Veg	etation Present?	Yes X	No				
Hydric Soil Prese	ent?	Yes X	No	Is the Samp	oled Area		
Wetland Hydrolo	gy Present?	Yes X	No	within a We	etland? Yes X	No	
Descipitations				•			
Precipitation: According to the	Seattle Tacoma International N	OAA weather station	Precipitation was al	bove the norma	al range for the three months pr	ior to the site visit.	
Remarks:							
	/-07. Located near pedestrian b	oridge ~2m east and ι	upslope of E. Fork H	ylebos Creek T	ributary 0016A. The stream ha	s been heavily mod	dified and is adjacent
to a golf course. Vegetation within	the wetland and also adjacent	unland is dominated	by the aggressive sr	necies English	ivy (Hedera helix), which would	d be considered pro	oblematic vegetation
•	tors and hydrology indicators a	•					zoomato rogotatom
VEGETATION	<u> </u>						
		Absolute	Dominant	Indicator	Dominance Test worksho	eet:	
Tree Stratum	(Plot size: <u>r=2m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant Spec	ies	
1. none					That Are OBL, FACW, or F	FAC:	2 (A)
2.							
3.		<u> </u>			Total Number of Dominant	i	
4.					Species Across All Strata:		3 (B)
_		0% =	Total Cover				( /
Sapling/Shrub S	tratum (Plot size: r=2m)				Percent of Dominant Spec	ies	
Salix sitchen		80%	Yes	FACW	That Are OBL, FACW, or F		67% (A/B)
2. Rubus armer			No	FAC	Prevalence Index worksh		(/////
3.	nacus		140	1710	Total % Cover of:	Multiply by:	
4.					OBL species	x 1 =	
5.					FACW species	x 2 =	
·			Total Cover		FAC species	x 3 =	
Herb Stratum	(Plot size: <u>r=1m</u>	85% =	- Total Cover		FACU species	x	
	`				· ·		<del></del>
1. Equisetum te	elmateia	5%	Yes	FACW	UPL species	x 5 =	(D)
2.					Column Totals:	(A)	(B)
3.					Prevalence Ind		
4.					Hydrophytic Vegetation		
5					1 - Rapid Test for Hyd	. , .	n
6					X 2 - Dominance Test is	4	
7.					3 - Prevalence Index	is ≤3.0¹	
8.					4 - Morphological Ada		· · · · ·
9					data in Remarks o	r on a separate she	et)
10					5 - Wetland Non-Vase	cular Plants <sup>1</sup>	
11					Problematic Hydrophy	ytic Vegetation (Ex	plain) <sup>1</sup>
		5% =	Total Cover		<sup>1</sup> Indicators of hydric soil ar	าd wetland hydroloถุ	gy must
Woody Vine Stra					be present.		
1. Hedera helix		95%	Yes	FACU	Hereby a broad a		
2		050/	Total Cover		Hydrophytic Vegetation	res X No	
% Bare Ground	in Herb Stratum 0%	95% =	Total Cover		Present?	es A NO	
,, bare Ground	0/0				i resent?		
Remarks:							
•	the wetland and also adjacent	•			ivy ( <i>Hedera helix</i> ), which woul	d be considered pr	oblematic vegetation.

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project No.: 554-1800-019 and -030

SOIL							Sampling Point:	WFW-07-SP3
	(Describe to the	depth need	led to document the ir	ndicator or co	onfirm the abse	nce of indicators):		
•		-				,.		
Depth (inches)	Color (moist)	%	Color (moist)	%	x Features Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
	Color (moist)		Color (moist)		Турс			Remarks
0-7	10YR 3/2	100				<del></del>	SaL	
7-17	10YR 4/2	90	10YR 5/6	10	<u>C</u>	M	CL	
					· -	<del></del> -		
						<del></del> -		
						<del></del> -		
<sup>1</sup> Type: C=Concentra	ition, D=Depletion,	RM=Reduc	ced Matrix, CS=Covered	d or Coated Sa	and Grains. <sup>2</sup> l	Location: PL=Pore Linir	ng, M=Matrix.	
<sup>3</sup> Texture: Sa = sand;	Si = silt; C = clay;	L = loam or	Ioamy. Texture Modifie	er: co = coarse	e; f = fine; vf = ve	ry fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indicato	rs (Applicable to	all LRRs, ι	ınless otherwise note	d):		Indicators for Pro	olematic Hydric Soils <sup>3</sup> :	
Histosol (A1)			Sandy Redox (S5	5)		2 cm Muck (A	10)	
Histic Epipedon	(A2)		Stripped Matrix (S	36)		Red Parent Ma	aterial (TF2)	
Black Histic (A3)			Loamy Mucky Mir	neral (F1) (exc	cept MLRA 1)	Very Shallow I	Dark Surface (TF12)	
Hydrogen Sulfide			Loamy Gleyed Ma		. ,	Other (Explain		
x Depleted Below		)	x Depleted Matrix (				,	
Thick Dark Surfa	ice (A12)	•	Redox Dark Surfa					
Sandy Mucky Mi	, ,		Depleted Dark Su				phytic vegetation and wetla	
Sandy Gleyed M	, ,		Redox Depressio			problematic.	oresent, unless disturbed o	Г
	. ,							
Restrictive Layer (if								
Type:	None					Hydric Soil		
Depth (inches):	N/A					Present?	Yes X	No
HYDROLOGY								
Wetland Hydrology	Indicators:							
Primary Indicators (m	ninimum of one req	uired: chec	k all that apply)	-		Secondary Indicato	rs (2 or more required)	
Surface Water (A	<b>A1</b> )		Water-Stained Le	eaves (B9) (ex	cept MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
High Water Tabl	e (A2)		1, 2, 4A, and 4	В)		4A, and 4B)		
X Saturation (A3)			Salt Crust (B11)			Drainage Patte	erns (B10)	
Water Marks (B1	1)		Aquatic Invertebra	ates (B13)		Dry-Season W	ater Table (C2)	
X Sediment Depos	sits (B2)		Hydrogen Sulfide	Odor (C1)		Saturation Visi	ble on Aerial Imagery (C9)	
X Drift Deposits (B			Oxidized Rhizosp		iving Roots (C3)		/	
Algal Mat or Cru	,		Presence of Redu	•	• ,	Shallow Aquita		
Iron Deposits (B			Recent Iron Redu	` ′		X FAC-Neutral T		
Surface Soil Cra	*		Stunted or Stress		, ,		ounds (D6) (LRR A)	
<del></del>	le on Aerial Imager	v (B7)	Other (Explain in		, (2.1.1.7.1)		lummocks (D7)	
	ted Concave Surfa	• • •	Outer (Explain in	rtemantoj		110311104101	animodis (B1)	
		CE (DO)						
Field Observations:								
Surface Water Prese	-		_ NoX	Depth (inche		Wetland		
Water Table Present	t? Yes_	Х	_ No	Depth (inche	· —	Hydrology	Yes X	No
Saturation Present?	Yes_	Х	_ No	Depth (inche	es):11	Present?		
(includes capillary fri	inge)							
Describe Recorded	l Data (stream gai	ige, monif	oring well, aerial photo	os. previous	inspections) if	available:		
	x.u (5.1.5um gut			, p. 5 110 a3	,, 11			
Remarks:								
		ງ20: soils s	aturated to the surface,	ground water	table at 3 inches	s. Signs of riverine hydro	logy in immediate vicinity i	nclude drift deposits
and sediment deposi	ts.							

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES
Project No.: 554-1800-019 and -030

Project/Site: Of	MFS and TDLE		City/County:	Federal Way	King County	Sampling Date:	11/6	/2019
Applicant/Owner:	Sound Transit			· oasiai may	State: WA	· · · · ·		W-07-SP4
Investigator(s):	S. Krueger, A. Thom				Section, Township, Range:		04E S16	
Landform (hillslope,		hillslope	ı	_	elief (concave, convex, none):	none	Slope (%)	: >10%
Subregion (LRR):	Northwest Forests and C	coast (LRR A))	Lat: 47.310178		ng: -122.302193	Datum:		1983
Soil Unit (Name-ID	-Hydric Rating): Arents	, Alderwood material, 0	to 6 percent slopes -	AmB	- Not Hydric NWI	classification:	none	)
Are climatic / hydro	ologic conditions on the site	• • • • • • • • • • • • • • • • • • • •			es No x	(If no, explain in	n Remarks)	
Are Vegetation	, Soil				are "Normal Circumstances" pre		Yes x	_No
Are Vegetation		, or Hydrology			If needed, explain any answers	,		
SUMMARY OF	FINDINGS – Attac			nt locations	s, transects, important	features, etc.		
Hydrophytic Veget		Yes		Is the Samp	lad Araa			
Hydric Soil Presen		Yes	No <u>X</u>	within a We	4110			
Wetland Hydrology	y Present?	Yes	No <u>X</u>	within a vve	tiand? Yes	No	<u> </u>	
Precipitation:								
According to the Se	eattle Tacoma Internationa	I NOAA weather station	, precipitation was ab	ove the norma	I range for the three months pri	or to the site visit.		
Remarks:								
	V-07. Near OHWM flag EH	I-RB11. East of WFW-0	7-SP3. Vegetation is	naturally proble	ematic due to presence of aggr	essive species, Eng	lish ivy and	d
Himalayan blackbe	rry, dominate this area.							
VEGETATION								
		Absolute	Dominant	Indicator	Dominance Test workshe	et:		
Tree Stratum	(Plot size: <u>r=2m)</u>		Species?	Status	Number of Dominant Spec			
Pseudotsuga r	menziesii	40%	Yes	FACU	That Are OBL, FACW, or F		1	(A)
2.								_ (' ')
3.					Total Number of Dominant			
4.					Species Across All Strata:		3	(B)
		40%	= Total Cover				-	_ ` '
Sapling/Shrub Str	ratum (Plot size: r=2m)				Percent of Dominant Spec	es		
Rubus armenia	acus	55%	Yes	FAC	That Are OBL, FACW, or F	AC:	<u>33%</u>	(A/B)
2. Rubus ursinus		1%	No	FACU	Prevalence Index worksh	eet:		
3.					Total % Cover of:	Multiply by:		
4.					OBL species	x 1 =		
5.					FACW species	x 2 =		
		56%:	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: r=1m)	!			FACU species	x 4 =		
1. Equisetum telr	mateia	2%	No	FACW	UPL species	x 5 =		
2					Column Totals:	(A)		(B)
3.					Prevalence Inde			
4					Hydrophytic Vegetation I			
5.					1 - Rapid Test for Hyd		1	
6.					2 - Dominance Test is			
7.					3 - Prevalence Index			
8.					4 - Morphological Ada			
9.			-			r on a separate she	et)	
10.			-		5 - Wetland Non-Vaso		1-:-1	
11.			T 1 10		Problematic Hydrophy	• .	,	
Woody Vine Strat	um (Plot size: r=2m)		= Total Cover		Indicators of hydric soil ar be present.	a wetiana nyarolog	y must	
Hedera helix	(1 lot 0120.	98%	Yes	FACU	ве ріезені.			
2.					Hydrophytic			
			= Total Cover		=	'esNo	X	_
% Bare Ground in	Herb Stratum 0	<u>%</u>			Present?			
Remarks:								
Aggressive vegetat	tion (English ivy and Himal	ayan blackberry) domin	ate this area.					
i i								

**Parametrix** 

Project No.: 554-1800-019 and -030

SOIL							Sampling Point:	
Profile Descriptio	n (Describe to the de	pth needed to	document the	indicator or co	nfirm the absen	ce of indicators):		
Depth	Matrix			Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-7	10YR 2/1	100					L	
7-11	10YR 3/2	80	10YR 4/2	20			GrSaL	
11-17	2.5YR 5/2	99	10YR 5/6	<1			GrSaL	
Type: C=Concenti	ration, D=Depletion, RI	M=Reduced M	atrix, CS=Cover	red or Coated Sa	nd Grains <sup>2</sup> Lo	ocation: PL=Pore Lin	ing, M=Matrix.	
Texture: Sa = sand	d; Si = silt; C = clay; L =	= loam or loam	y. Texture Modit	fier: co = coarse;	f = fine; vf = very	y fine; + = heavy (mor	re clay); - = light (less clay)	
lydric Soil Indicat	tors (Applicable to all	LRRs, unles	s otherwise not	ted):		Indicators for Pro	oblematic Hydric Soils <sup>3</sup> :	
Histosol (A1)			Sandy Redox (S	S5)		2 cm Muck (A	A10)	
Histic Epipedor	n (A2)		Stripped Matrix	*			Material (TF2)	
Black Histic (A				viineral (F1) (exce	ept MLRA 1)		/ Dark Surface (TF12)	
Hydrogen Sulfi	•		Loamy Gleyed I		.,		in in Remarks)	
	v Dark Surface (A11)		Depleted Matrix			Salar (Explain		
Thick Dark Sur	, ,		Redox Dark Su					
Sandy Mucky N	, ,		Depleted Dark S				rophytic vegetation and wetlar	
Sandy Mucky N			Redox Depress			hydrology must be problematic.	e present, unless disturbed or	
			Trough Bapraga			problemater		
Restrictive Layer (	ir present):					Uhadala Oall		
T								
Type:						Hydric Soil	Voo	No. V
Depth (inches):	N/A  N/A  sult of prior disturbance	es				Present?	Yes	No X
Depth (inches):	N/A	es				-	Yes	No X
Depth (inches):  Remarks: Soils may be the re	N/A	es				-	Yes	No X
Depth (inches): Remarks: Soils may be the re	N/A sult of prior disturbance	es				-	Yes	No X
Depth (inches): Remarks: Soils may be the re HYDROLOGY Vetland Hydrolog	N/A sult of prior disturbance		hat apply)			Present?	Yes	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	N/A sult of prior disturbance y Indicators:				ent MI RA	Present?  Secondary Indicate	tors (2 or more required)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators (  Surface Water	N/A sult of prior disturbance y Indicators: minimum of one requir		Water-Stained I	 Leaves (B9) (exc	ept MLRA	Present?  Secondary Indicat Water-Staine	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2,	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators (  Surface Water  High Water Tat	N/A sult of prior disturbance y Indicators: minimum of one requir (A1) ole (A2)	red: check all t	Water-Stained I	4B)	eept MLRA	Secondary Indicat Water-Staine 4A, and 4E	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2,	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators (  Surface Water	N/A sult of prior disturbance y Indicators: minimum of one requir (A1) ole (A2)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11	4B)	eept MLRA	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat	tors (2 or more required) and Leaves (B9) (MLRA 1, 2, 3) tterns (B10)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators (  Surface Water  High Water Tal  Saturation (A3)  Water Marks (E	N/A sult of prior disturbance y Indicators: minimum of one requir (A1) ple (A2)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Inverted	4B) ) brates (B13)	eept MLRA	Secondary Indicate Water-Staine 4A, and 4E Drainage Pat Dry-Season	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  Surface Water  High Water Tat  Saturation (A3)  Water Marks (E  Sediment Depo	N/A sult of prior disturbance  y Indicators: minimum of one requir (A1) ble (A2) ble (A2) brits (B2)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic	4B) ) brates (B13) de Odor (C1)		Secondary Indicat  Water-Staine  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators (  Surface Water  High Water Tat  Saturation (A3)  Water Marks (E  Sediment Depo	N/A sult of prior disturbance  y Indicators: minimum of one requir (A1) ole (A2) 031) osits (B2) B3)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos	4B) ) brates (B13) de Odor (C1) spheres along Liv		Secondary Indicat  Water-Staine  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators (  Surface Water  High Water Tat  Saturation (A3)  Water Marks (E  Sediment Depo  Drift Deposits (  Algal Mat or Cr	N/A sult of prior disturbance  y Indicators: minimum of one requir (A1) pole (A2) 31) posits (B2) B3) ust (B4)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertel Hydrogen Sulfic Oxidized Rhizos Presence of Re	4B) ) brates (B13) de Odor (C1) spheres along Lividuced Iron (C4)	ving Roots (C3)	Secondary Indicat  Water-Staine  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic  Shallow Aqui	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  Surface Water  High Water Tat  Saturation (A3)  Water Marks (E  Sediment Depo  Drift Deposits (  Algal Mat or Cr  Iron Deposits (1)	N/A sult of prior disturbance  y Indicators: minimum of one requir (A1) ole (A2) 031) osits (B2) B3) ust (B4) B5)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec	4B) ) brates (B13) de Odor (C1) spheres along Liveleduced Iron (C4) duction in Tilled S	ving Roots (C3) Soils (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr	N/A sult of prior disturbance  y Indicators: (minimum of one require (A1) ole (A2) osits (B2) B3) sust (B4) B5) racks (B6)	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui FAC-Neutral Raised Ant M	tors (2 or more required) and Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) sitard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Vetland Hydrolog  Primary Indicators ( Surface Water High Water Tall Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visil	N/A sult of prior disturbance  y Indicators: (Minimum of one require (A1) pole (A2) posits (B2) B3) ust (B4) B5) racks (B6) ble on Aerial Imagery (	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui FAC-Neutral Raised Ant M	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visil Sparsely Veget	N/A  sult of prior disturbance  y Indicators:  minimum of one requir  (A1)  ple (A2)  B31)  posits (B2)  B3)  rust (B4)  B5)  racks (B6)  ble on Aerial Imagery (  tated Concave Surface	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui FAC-Neutral Raised Ant M	tors (2 or more required) and Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) sitard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visil Sparsely Veget  Field Observations	N/A sult of prior disturbance  y Indicators: minimum of one require (A1) ble (A2) bisits (B2) B3) sust (B4) B5) sacks (B6) ble on Aerial Imagery ( tated Concave Surfaces:	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11) Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Lividuced Iron (C4) duction in Tilled \$ ssed Plants (D1) in Remarks)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat  Water-Staine  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic  Shallow Aqui  FAC-Neutral  Raised Ant M  Frost-Heave	tors (2 or more required) and Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) sitard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visii Sparsely Veget  Field Observations Surface Water Pres	N/A  sult of prior disturbance  y Indicators:  minimum of one requir (A1) pole (A2) posits (B2) B3) pust (B4) B5) packs (B6) ble on Aerial Imagery ( tated Concave Surface s: sent? Yes	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11) Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1) in Remarks)  Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui FAC-Neutral Raised Ant M	tors (2 or more required) and Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) sitard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visit Sparsely Veget  Field Observations  Surface Water Prese  Water Table Prese	N/A  sult of prior disturbance  y Indicators: (minimum of one require (A1) ole (A2) osits (B2) B3) ust (B4) B5) vacks (B6) ble on Aerial Imagery ( tated Concave Surface s: sent? Yes nt? Yes	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1) in Remarks)  Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat  Water-Staine  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic  Shallow Aqui  FAC-Neutral  Raised Ant M  Frost-Heave	tors (2 or more required) and Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) sitard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tal Saturation (A3) Water Marks (E Sediment Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visii Sparsely Vegel  Field Observations  Surface Water Prese  Water Table Prese Saturation Present	N/A  sult of prior disturbance  y Indicators:  minimum of one require (A1)  pole (A2)  posits (B2)  B3)  sust (B4)  B5)  racks (B6)  ble on Aerial Imagery ( tated Concave Surface s: sent? Yes nt? Yes ? Yes	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1) in Remarks)  Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visil Sparsely Veget  Field Observations  Surface Water Prese  Water Table Prese	N/A  sult of prior disturbance  y Indicators:  minimum of one require (A1)  pole (A2)  posits (B2)  B3)  sust (B4)  B5)  racks (B6)  ble on Aerial Imagery ( tated Concave Surface s: sent? Yes nt? Yes ? Yes	red: check all t	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Liveduced Iron (C4) duction in Tilled Sessed Plants (D1) in Remarks)  Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui FAC-Neutral Raised Ant M Frost-Heave  Wetland Hydrology	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visil Sparsely Vegel  Field Observations Surface Water Prese Water Table Prese Saturation Present (includes capillary in	N/A  sult of prior disturbance  y Indicators:  minimum of one requir (A1) pole (A2) posits (B2) B3) sust (B4) B5) stacks (B6) ble on Aerial Imagery ( tated Concave Surface s: sent? Yes nt? Yes fringe)	(B7) No No No	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Liv duced Iron (C4) duction in Tilled S ssed Plants (D1) in Remarks)  Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) s): s):	Secondary Indicat  Water-Staine 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic  Shallow Aqui  FAC-Neutral  Raised Ant M  Frost-Heave  Wetland  Hydrology  Present?	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Depth (inches):  Remarks: Soils may be the re  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( Surface Water High Water Tat Saturation (A3) Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visil Sparsely Vegel  Field Observations Surface Water Prese Water Table Prese Saturation Present (includes capillary in	N/A  sult of prior disturbance  y Indicators:  minimum of one require (A1)  pole (A2)  posits (B2)  B3)  sust (B4)  B5)  racks (B6)  ble on Aerial Imagery ( tated Concave Surface s: sent? Yes nt? Yes ? Yes	(B7) No No No	Water-Stained I 1, 2, 4A, and Salt Crust (B11 Aquatic Invertet Hydrogen Sulfic Oxidized Rhizos Presence of Re Recent Iron Rec Stunted or Stres Other (Explain i	4B) ) brates (B13) de Odor (C1) spheres along Liv duced Iron (C4) duction in Tilled S ssed Plants (D1) in Remarks)  Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) s): s):	Secondary Indicat  Water-Staine 4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic  Shallow Aqui  FAC-Neutral  Raised Ant M  Frost-Heave  Wetland  Hydrology  Present?	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2, 3) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	

Project/Site: 0	OMFS and TDLE		City/County:	Federal Way/	Kina	Sampling Dat	te: 11/6/2019
Applicant/Owner:			_ , ,		State: WA		ng Point: WFW-08-SP1
Investigator(s):	S. Krueger, A. Thom				Section, Township, Range:		R04E S16
Landform (hillslop	e, terrace, etc.):	stream benc	า	 Local re	elief (concave, convex, none):	concave	Slope (%): <3%
Subregion (LRR)	: Northwest Forests and Coast	(LRR A)) L	at: 47.308060	Lo	ng:122.302762	Datur	m: NAD 1983
Soil Unit (Name-	ID-Hydric Rating): Arents, Al	Iderwood material, 0 to 6	percent slopes -	AmB	- Not Hydric NV	WI classification:	none
Are climatic / hyd	drologic conditions on the site typic	cal for this time of yea	ar?	Υ	es No	X (If no, explain	in Remarks)
Are Vegetation	, Soil				re "Normal Circumstances"	present?	Yes <u>X</u> No
Are Vegetation	, SoilX	<del></del>	<del></del> '		f needed, explain any answe	,	
SUMMARY C	OF FINDINGS – Attach sit	e map showing	sampling poi	nt locations	, transects, importan	t features, etc.	·
Hydrophytic Veg	getation Present?	Yes <u>X</u>	No				
Hydric Soil Pres	ent?	Yes <u>X</u>	No	Is the Sampl			
Wetland Hydrolo	ogy Present?	Yes <u>X</u>	No	within a Wet	land? Yes	X No	
Precipitation:							
According to the	Seattle Tacoma International NO	AA weather station, p	recipitation was ab	ove the normal	range for the three months	prior to the site visit	
Remarks:							
	for WFW-08. In SW section of we	tland. Wetland is adj	acent to E. Fork Hy	lebos Creek Tr	ib 0016A. The stream is hea	avily modified and a	ppears to be used as a
constructed storr	•						
	Soil appears to be a fluvial entison wetland hydrology indicators supp			drophytic veget	ation, geomorphic position o	ın stream bench, siç	inificant organics in
VEGETATIO	, 0, 11	3011 4010	,				
720217(110)	·•	Absolute	Dominant	Indicator	Dominance Test works	sheet:	
Tree Stratum	(Plot size: r=1m)	% Cover	Species?	Status	Number of Dominant Sp		
1	(Flot size: ———	<u> 78 COVEL</u>	<u>opecies:</u>	<u>Otatus</u>			2 (A)
<u>none</u> 2.		_			That Are OBL, FACW, o		(A)
3.					Total Number of Domina	ant	
4.					Species Across All Strat		3 (B)
-		0% =	Fotal Cover		Species Across Ali Strat		(B)
Sapling/Shrub S	Stratum (Plot size: r=1m)		Total Cover		Percent of Dominant Sp	necies	
1. Salix lasiano		70%	Yes	FACW	That Are OBL, FACW, o		<u>100%</u> (A/B)
2. Rubus arme		20%	Yes	FAC	Prevalence Index work		(A/B)
3.	macus	2070		170	Total % Cover of:	Multiply by:	
4.		<del>-</del>			OBL species	x 1 =	
5.					FACW species	x 2 =	
-		90% =	Fotal Cover		FAC species	x 3 =	
Herb Stratum	(Plot size: r=1m)		otal cove.		FACU species	x 4 =	
1. Phalaris arui	,	80%	Yes	FACW	UPL species	x 5 =	
Typha latifoli		15%	No	OBL	Column Totals:	(A)	(B)
3. Ranunculus		5%	No	FAC	Prevalence Ir	ndex = B/A =	, , ,
4.					Hydrophytic Vegetatio	n Indicators:	
5.		_	-		1 - Rapid Test for I	Hydrophytic Vegetat	tion
6.		_	-		X 2 - Dominance Tes	st is >50%	
7.		_			3 - Prevalence Inde	ex is ≤3.0 <sup>1</sup>	
8.		_			4 - Morphological A	Adaptations <sup>1</sup> (Provid	le supporting
9.					data in Remarks	s or on a separate s	sheet)
10.					5 - Wetland Non-Va	ascular Plants <sup>1</sup>	
11.					Problematic Hydro	phytic Vegetation (E	£xplain)¹
		100% =	Total Cover		<sup>1</sup> Indicators of hydric soil	and wetland hydrol	logy must
Woody Vine Str	atum (Plot size: r=1m)				be present.		
1. <u>none</u>							
2					Hydrophytic	V V N.	_
% Bare Ground	in Herb Stratum 0%	= -	Total Cover		Vegetation Present?	Yes X No	'
% Bare Ground	III Herb Stratum	<del></del>			Fiesenti		
Remarks:					-		

**Parametrix** 

SOIL								
Profile Descriptio	n (Describe to the o	lepth neede	ed to document the i	ndicator or confirm the a	bsence of indicators):			
Depth	Matrix		_	Redox Features				
(inches)	Color (moist)	%	Color (moist)	% Type	Loc <sup>2</sup>	Textu	re <sup>3</sup>	Remarks
0-4	10YR 2/2	100				CL		
<sup>1</sup> Type: C=Concenti	ration, D=Depletion,	RM=Reduce	ed Matrix, CS=Covere	d or Coated Sand Grains.	<sup>2</sup> Location: PL=Pore Lin	ing, M=Matrix		
	· ·			er: co = coarse; f = fine; vf		•		
			nless otherwise note		Indicators for Pr		•	
Histosol (A1)			Sandy Redox (S	5)	2 cm Muck (	-		
Histic Epipedor	a (A2)		Stripped Matrix (		<del></del> ,	Material (TF2)		
	• •			oo) ineral (F1) (except MLRA 1		/ Dark Surface		
Black Histic (A	•			, , , , ,	· —		, ,	
Hydrogen Sulfi	, ,	`	Loamy Gleyed N		X Other (Expla	in in Remarks	5)	
	v Dark Surface (A11	,	Depleted Matrix	` '				
Thick Dark Sur	` '		Redox Dark Sur	` '	<sup>3</sup> Indicators of hyd	rophytic veget	tation and we	etland
Sandy Mucky N	, ,		Depleted Dark S	, ,	hydrology must be	e present, unl	ess disturbed	l or
Sandy Gleyed	iviatrix (54)		Redox Depressi	ons (F8)	problematic.			
Restrictive Layer (	if present):							
					Hydric Soil			
Type:	quarry spalls				,			
Depth (inches):  Remarks:  unable to dig past q developed at the ed	4.5  quarry spalls at 4.5" to	be a fluvial	entisol with aquic mo	been heavily modified and sture regime. Strong hydro	Present?  appears to be used as a compared to be used to be used as a compared to be used to			•
Depth (inches):  Remarks:  unable to dig past q developed at the ed	4.5  quarry spalls at 4.5" to	be a fluvial		sture regime. Strong hydro	Present?  appears to be used as a compared to be used to be used as a compared to be used to	onstructed sto	ormwater fac	ility. Wetlands have
Depth (inches):  Remarks:  unable to dig past q developed at the ed	4.5  quarry spalls at 4.5" to	be a fluvial	entisol with aquic mo	sture regime. Strong hydro	Present?  appears to be used as a compared to be used to be used as a compared to be used to	onstructed sto	ormwater fac	ility. Wetlands have
Depth (inches):  Remarks:  unable to dig past q developed at the ec in soils, and strong	4.5 juarry spalls at 4.5" tiges. Soil appears to wetland hydrology ir	be a fluvial	entisol with aquic mo	sture regime. Strong hydro	Present?  appears to be used as a compared to be used to be used as a compared to be used to	onstructed sto	ormwater fac	ility. Wetlands have
Depth (inches):  Remarks: unable to dig past q developed at the ec in soils, and strong  HYDROLOGY  Wetland Hydrolog	4.5 juarry spalls at 4.5" tiges. Soil appears to wetland hydrology ir	be a fluvial ndicators sup	entisol with aquic mo	sture regime. Strong hydro	Present?  appears to be used as a complytic vegetation, geomorp	onstructed ste	ormwater fac	ility. Wetlands have
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  Juarry spalls at 4.5" to does. Soil appears to wetland hydrology in   y Indicators:	be a fluvial ndicators sup	entisol with aquic mo oport determination as all that apply)	sture regime. Strong hydro hydric soil.	Present?  appears to be used as a complytic vegetation, geomorphysic ve	onstructed ste shic position o	ormwater fac in stream ber	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( X_Surface Water	4.5  Juarry spalls at 4.5" tiges. Soil appears to wetland hydrology in  y Indicators:  Judicators:  Judicator	be a fluvial ndicators sup	entisol with aquic mo poort determination as  all that apply) Water-Stained L	sture regime. Strong hydro hydric soil. - eaves (B9) (except MLRA	Present?  appears to be used as a complytic vegetation, geomorphytic ve	onstructed ste shic position o tors (2 or mor ed Leaves (BS	ormwater fac in stream ber	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators ( X Surface Water X High Water Tat	4.5  Juarry spalls at 4.5" to diges. Soil appears to wetland hydrology in   y Indicators:  minimum of one req (A1)  ole (A2)	be a fluvial ndicators sup	entisol with aquic moport determination as  all that apply) Water-Stained L  1, 2, 4A, and	sture regime. Strong hydro hydric soil. - eaves (B9) (except MLRA	Present?  appears to be used as a complytic vegetation, geomorphytic ve	onstructed ste shic position of tors (2 or more ad Leaves (BS	ormwater fac in stream ber	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  Juarry spalls at 4.5" tiges. Soil appears to wetland hydrology in   y Indicators:  minimum of one req (A1) ole (A2)	be a fluvial ndicators sup	all that apply)  Water-Stained L  1, 2, 4A, and Salt Crust (B11)	sture regime. Strong hydro hydric soil.  - eaves (B9) (except MLRA	Present?  appears to be used as a complytic vegetation, geomorphytic ve	onstructed ste shic position of tors (2 or more and Leaves (BS 3)	e required)	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  Juarry spalls at 4.5" tigges. Soil appears to wetland hydrology in y Indicators:  (minimum of one req. (A1) ole (A2)	be a fluvial ndicators sup	all that apply)  Water-Stained L  1, 2, 4A, and  Salt Crust (B11)  Aquatic Inverteb	sture regime. Strong hydro hydric soil.  - eaves (B9) (except MLRA	Present?  appears to be used as a complytic vegetation, geomorphytic ve	tors (2 or mored Leaves (BS)  tterns (B10)  Water Table (	e required) () (MLRA 1, 2)	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past q developed at the ec in soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water  X High Water Tat  X Saturation (A3)  X Water Marks (E  Sediment Depo	4.5  Juarry spalls at 4.5" to dees. Soil appears to wetland hydrology in the spanning of the s	be a fluvial ndicators sup	all that apply)  Water-Stained L  1, 2, 4A, and  Salt Crust (B11)  Aquatic Inverteb  Hydrogen Sulfid	sture regime. Strong hydro hydric soil.	Present?  appears to be used as a complytic vegetation, geomorphytic ve	tors (2 or mored Leaves (BS) tterns (B10) Water Table (isible on Aeria	e required)  () (MLRA 1, 2)	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past q developed at the ec in soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water  X High Water Tal  X Saturation (A3)  X Water Marks (E  Sediment Deposits (	4.5  Juarry spalls at 4.5" to dges. Soil appears to wetland hydrology in the spanning of the s	be a fluvial ndicators sup	all that apply)  Water-Stained L  1, 2, 4A, and  Salt Crust (B11)  Aquatic Inverteb  Hydrogen Sulfid  Oxidized Rhizos	sture regime. Strong hydro hydric soil.	Present?  appears to be used as a complytic vegetation, geomorphytic ve	tors (2 or mored Leaves (BS) tterns (B10) Water Table (isible on Aeria	e required)  () (MLRA 1, 2)	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ectin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  guarry spalls at 4.5" to diges. Soil appears to wetland hydrology in the spanning of the	be a fluvial ndicators sup	all that apply)  Water-Stained L  1, 2, 4A, and  Salt Crust (B11)  Aquatic Inverteb  Hydrogen Sulfid  Oxidized Rhizos  Presence of Rec	sture regime. Strong hydro hydric soil.	Present?  appears to be used as a complytic vegetation, geomorphytic vegetation, geomorphytic vegetation, geomorphytic vegetation, geomorphytic vegetation, geomorphic vegetation vegetatio	tors (2 or mored Leaves (BS) tterns (B10) Water Table (isible on Aeria Position (D2)	e required)  () (MLRA 1, 2)	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water  X High Water Tat  X Saturation (A3)  X Water Marks (E  Sediment Depo  Drift Deposits (  Algal Mat or Cr  Iron Deposits (1	4.5  Juarry spalls at 4.5" to deep solid appears to wetland hydrology in y Indicators:  (Minimum of one required (A1) to ble (A2) to ble (A2) to bests (B2) to bests (B4) to best (B4) to be the solid and to	be a fluvial ndicators sup	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red	eture regime. Strong hydro hydric soil.	Present?    Appears to be used as a complytic vegetation, geomorphic secondary Indica   Water-Staine   4A, and 4    Drainage Pa   Dry-Season   Saturation V   (C3)   X   Geomorphic   Shallow Aqu   X   FAC-Neutral	tors (2 or more and Leaves (B93)  Itterns (B10)  Water Table (isible on Aeria Position (D2)  itard (D3)  Test (D5)	e required) () (MLRA 1, 2	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water  X High Water Tat  X Saturation (A3)  X Water Marks (E  Sediment Deposits (  Algal Mat or Cr  Iron Deposits (I  Surface Soil Cr	4.5  Juarry spalls at 4.5" tiges. Soil appears to wetland hydrology in y Indicators:  Iminimum of one required (A1)  Joseph (A2)  Joseph (B2)  B3)  Just (B4)  B5)  Jacks (B6)	be a fluvial dicators sup uired: check	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	eaves (B9) (except MLRA HB)  rates (B13) e Odor (C1) pheres along Living Roots luced Iron (C4) uction in Tilled Soils (C6) sed Plants (D1) (LRR A)	Present?  Secondary Indica Water-Staine 4A, and 4i Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M	tors (2 or more to the contract of the contrac	e required)  (C2)  Il Imagery (C	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  Juarry spalls at 4.5" tigges. Soil appears to wetland hydrology in y Indicators:  (minimum of one reg (A1) to ble (A2) to ble (A2) to ble (B3) to ble (B4) to ble on Aerial Imager	y (B7)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red	eaves (B9) (except MLRA HB)  rates (B13) e Odor (C1) pheres along Living Roots luced Iron (C4) uction in Tilled Soils (C6) sed Plants (D1) (LRR A)	Present?  Secondary Indica Water-Staine 4A, and 4i Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M	tors (2 or more and Leaves (B93)  Itterns (B10)  Water Table (isible on Aeria Position (D2)  itard (D3)  Test (D5)	e required)  (C2)  Il Imagery (C	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past q developed at the ec in soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water  X High Water Tat  X Saturation (A3)  X Water Marks (E  Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I  Surface Soil Cr Inundation Visil  Sparsely Veget	4.5  Juarry spalls at 4.5" to deep social appears to wetland hydrology in the spanning of the	y (B7)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	eaves (B9) (except MLRA HB)  rates (B13) e Odor (C1) pheres along Living Roots luced Iron (C4) uction in Tilled Soils (C6) sed Plants (D1) (LRR A)	Present?  Secondary Indica Water-Staine 4A, and 4i Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M	tors (2 or more to the contract of the contrac	e required)  (C2)  Il Imagery (C	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water  X High Water Tal  X Saturation (A3)  X Water Marks (E  Sediment Deposits (  Algal Mat or Cr  Iron Deposits (I  Surface Soil Cr  Inundation Visil  Sparsely Veget	4.5  guarry spalls at 4.5" to deep soil appears to wetland hydrology in the spanning of the sp	y (B7)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eture regime. Strong hydron hydric soil.	Present?  Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more to the contract of the contrac	e required)  (C2)  Il Imagery (C	ility. Wetlands have nch, significant organ
Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY Wetland Hydrolog Primary Indicators (	4.5  Juarry spalls at 4.5" to deep soil appears to wetland hydrology in the second space of the second spa	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eture regime. Strong hydron hydric soil.	Present?  Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more and Leaves (BS)  Water Table (isible on Aeria Position (D2)  ittard (D3)  Test (D5)  Mounds (D6) (Hummocks (I	e required) () (MLRA 1, 2) (C2) (Il Imagery (C	ility. Wetlands have nich, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water X High Water Tat X Saturation (A3) X Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visit Sparsely Veget  Field Observations: Water Table Prese	4.5  Juarry spalls at 4.5" to dees. Soil appears to wetland hydrology in wetland hydrology in y Indicators:  Spanning of one required (A1) one (A2)  Just (B4)  Just (B4)  Just (B4)  Just (B4)  Just (B4)  Just (B6)  Just (B6)  Just (B6)  Just (B6)  Just (B7)  Just (B8)  Just (B8)  Just (B9)  Just	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eaves (B9) (except MLRA dB) rates (B13) e Odor (C1) pheres along Living Roots luced Iron (C4) uction in Tilled Soils (C6) sed Plants (D1) (LRR A) I Remarks)  Depth (inches): surfac	Present?    Secondary Indica	tors (2 or more to the contract of the contrac	e required)  (C2)  Il Imagery (C	ility. Wetlands have nch, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  Juarry spalls at 4.5" to deep soil appears to wetland hydrology in the spanning of the sp	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eture regime. Strong hydron hydric soil.	Present?    Secondary Indica	tors (2 or more and Leaves (BS)  Water Table (isible on Aeria Position (D2)  ittard (D3)  Test (D5)  Mounds (D6) (Hummocks (I	e required) () (MLRA 1, 2) (C2) (Il Imagery (C	ility. Wetlands have nich, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (  X Surface Water X High Water Tat X Saturation (A3) X Water Marks (E Sediment Depo Drift Deposits ( Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visit Sparsely Veget  Field Observations: Water Table Prese	4.5  Juarry spalls at 4.5" to deep soil appears to wetland hydrology in the spanning of the sp	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eaves (B9) (except MLRA dB) rates (B13) e Odor (C1) pheres along Living Roots luced Iron (C4) uction in Tilled Soils (C6) sed Plants (D1) (LRR A) I Remarks)  Depth (inches): surfac	Present?    Secondary Indica	tors (2 or more and Leaves (BS)  Water Table (isible on Aeria Position (D2)  ittard (D3)  Test (D5)  Mounds (D6) (Hummocks (I	e required) () (MLRA 1, 2) (C2) (Il Imagery (C	ility. Wetlands have nich, significant organ
Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  guarry spalls at 4.5" to diges. Soil appears to wetland hydrology in the spanning of the	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eaves (B9) (except MLRA dB) rates (B13) e Odor (C1) pheres along Living Roots luced Iron (C4) uction in Tilled Soils (C6) sed Plants (D1) (LRR A) I Remarks)  Depth (inches): surfac	Present?  Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology Present?	tors (2 or more and Leaves (BS)  Water Table (isible on Aeria Position (D2)  ittard (D3)  Test (D5)  Mounds (D6) (Hummocks (I	e required) () (MLRA 1, 2) (C2) (Il Imagery (C	ility. Wetlands have nich, significant organ
Remarks: unable to dig past of developed at the ecin soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  guarry spalls at 4.5" to diges. Soil appears to wetland hydrology in the spanning of the	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eture regime. Strong hydron hydric soil.	Present?  Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology Present?	tors (2 or more and Leaves (BS)  Water Table (isible on Aeria Position (D2)  ittard (D3)  Test (D5)  Mounds (D6) (Hummocks (I	e required) () (MLRA 1, 2) (C2) (Il Imagery (C	ility. Wetlands have nich, significant organ
Depth (inches):  Remarks: unable to dig past of developed at the econ soils, and strong  HYDROLOGY  Wetland Hydrolog  Primary Indicators (	4.5  guarry spalls at 4.5" to diges. Soil appears to wetland hydrology in the spanning of the	y (B7) ce (B8)	all that apply)  Water-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	eture regime. Strong hydron hydric soil.	Present?  Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V (C3) X Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology Present?	tors (2 or more and Leaves (BS)  Water Table (isible on Aeria Position (D2)  ittard (D3)  Test (D5)  Mounds (D6) (Hummocks (I	e required) (C2) Il Imagery (C	ility. Wetlands have nich, significant organ

Project No.: 554-1800-030 and -019

Project/Site: OMFS and TDLE		City/County:	Federal Way	, King County	Sampling Date:	11/9/2019
Applicant/Owner: Sound Transit				State: WA	Sampling	Point: WFW-08-SP2
Investigator(s): S. Krueger, A. Thom			_	Section, Township, Range:	T21N R0	4E S16
Landform (hillslope, terrace, etc.):	Flat area	а	Local r	elief (concave, convex, none):	convex	Slope (%): <3%
Subregion (LRR): Northwest Forests and Coast	(LRR A))	Lat: 47.308239	_ Lo	ong: <u>-122.302792</u>	Datum:	NAD 1983
Soil Unit (Name-ID-Hydric Rating): Arents, Ald	erwood material, 0	to 6 percent slopes -	AmB	- Not Hydric NWI	classification:	none
Are climatic / hydrologic conditions on the site typic	cal for this time of y	vear?		res No X	(If no, explain in	Remarks)
Are Vegetation, Soil	, or Hydrology _	significantly dis	turbed?	Are "Normal Circumstances" pre	sent?	Yes X No
Are Vegetation, Soil	, or Hydrology _	naturally proble	ematic? (	If needed, explain any answers	in Remarks.)	
SUMMARY OF FINDINGS - Attach si	te map showin	ıg sampling poiı	nt locations	s, transects, important f	eatures, etc.	
Hydrophytic Vegetation Present?	Yes	No <u>X</u>				
Hydric Soil Present?	Yes	No <u>X</u>	Is the Samp			
Wetland Hydrology Present?	Yes	No <u>X</u>	within a We	tland? Yes	No	<u>x</u>
Precipitation: According to the Seattle Tacoma International NO. Remarks:	AA weather station	, precipitation was ab	ove the norma	I range for the three months prid	or to the site visit.	
upland SP to WFW-08-SP1 and SP3, located on fa	airway of golf cours	e. SP is west of wetla	and and just ou	itside the fence surrounding the	wetland.	
VEGETATION				<u> </u>		
	Absolute	Dominant	Indicator	Dominance Test workshe		
<u>Tree Stratum</u> (Plot size: <u>r=3m</u> )	% Cover	Species?	<u>Status</u>	Number of Dominant Spec	ies	
1. none				That Are OBL, FACW, or F	AC:	1 (A)
2. 3.						
				Total Number of Dominant		
4				Species Across All Strata:		2 (B)
	:	= Total Cover				
Sapling/Shrub Stratum (Plot size: r=2m)				Percent of Dominant Speci	es	
1. none				That Are OBL, FACW, or F	AC:	50% (A/B)
2.				Prevalence Index worksh		
3				Total % Cover of:	Multiply by:	
4				OBL species	x 1 =	
5				FACW species	x 2 =	
	0%	= Total Cover		FAC species	x 3 =	
Herb Stratum (Plot size: r=1m)				FACU species	x 4 =	
1. Poa pratensis	30%	Yes	FAC	UPL species	x 5 =	
2. Stellaria media	15%	Yes	FACU	Column Totals:	(A)	(B)
3. Draba verna	10%	No	NOL	Prevalence Inde	x = B/A =	
4. Trifolium repens	2%	No	FAC	Hydrophytic Vegetation I	ndicators:	
5. <u>Hypochaeris radicata</u>	1%	No	FACU	1 - Rapid Test for Hyd		I
6. Phalaris arundinacea	1%	No	FACW	2 - Dominance Test is	>50%	
7. <u>Cirsium arvense</u>	1%	No	FAC	3 - Prevalence Index i	s ≤3.0 <sup>1</sup>	
8				4 - Morphological Ada	ptations <sup>1</sup> (Provide s	supporting
9				data in Remarks o	r on a separate she	et)
10				5 - Wetland Non-Vaso	ular Plants <sup>1</sup>	
11				Problematic Hydrophy	tic Vegetation (Exp	lain) <sup>1</sup>
	60%	= Total Cover		<sup>1</sup> Indicators of hydric soil an	d wetland hydrolog	y must
Woody Vine Stratum (Plot size: <u>r=2m)</u>				be present.		
1. <u>none</u> 2.		-		Hydrophytic		
	0%	= Total Cover			es No	x
% Bare Ground in Herb Stratum 40%		. 3(4) 00/61		Present?		
Remarks: moss cover is 40%						

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project No.: 554-1800-030 and -019

SOIL							Sampling Point:	WFW-08-SP2
Profile Description	on (Describe to the o	lepth needed	d to document the	indicator or co	nfirm the abse	nce of indicators):	- <del>-</del>	
Depth	Matrix			Redox	r Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-2	10YR 2/2	100					SaL	
2-19	2.5Y 4/2	100					GrSa	
			<del>.</del>					
_			•					
			•					
<sup>1</sup> Type: C=Concen	tration, D=Depletion,	RM=Reduced	d Matrix, CS=Cove	red or Coated Sa	and Grains. 2	Location: PL=Pore Linir	g, M=Matrix.	
<sup>3</sup> Texture: Sa = sar	nd; Si = silt; C = clay; I	_ = loam or lo	amy. Texture Mod	ifier: co = coarse			clay); - = light (less clay)	
Hydric Soil Indica	ators (Applicable to	all LRRs, uni	ess otherwise no	ted):		Indicators for Pro	blematic Hydric Soils <sup>3</sup> :	
Histosol (A1)			Sandy Redox (	(S5)		2 cm Muck (A	10)	
Histic Epipedo	on (A2)	-	Stripped Matrix			Red Parent M	•	
Black Histic (A	• •	-		Mineral (F1) (exc	ept MLRA 1)		Dark Surface (TF12)	
Hydrogen Sul	•	-	Loamy Gleyed			Other (Explain	, ,	
<del></del>	ow Dark Surface (A11)	- 1	Depleted Matri	` '			,	
Thick Dark Su	, ,	-	Redox Dark Su	, ,				
Sandy Mucky	Mineral (S1)	-	 Depleted Dark	` '			ophytic vegetation and wetla present, unless disturbed or	
Sandy Gleyed	Matrix (S4)	-	Redox Depres	sions (F8)		problematic.	present, unless disturbed of	
Restrictive Layer	(if present):	-						
	: none					Hydric Soil		
Depth (inches):	n/a					Present?	Yes	No X
. , ,								
sample plot in golf	fairway.							
HYDROLOGY	,							
Wetland Hydrolog								
	(minimum of one req	uired: check :	all that annly)			Secondary Indicate	ors (2 or more required)	
		ulled, check a			MLDA	•		
Surface Water	• •	-		Leaves (B9) (ex	Cept MLRA		l Leaves (B9) (MLRA 1, 2,	
High Water Ta			1, 2, 4A, and	,		4A, and 4B		
Saturation (A3 Water Marks (		-	Salt Crust (B1 <sup>2</sup> Aquatic Inverte			Drainage Patt	erns (B10) /ater Table (C2)	
· ·	,	-	Hydrogen Sulfi					
Sediment Dep	, ,	-		, ,	iving Boots (C2)		ible on Aerial Imagery (C9)	
Drift Deposits  Algal Mat or C	,	-		ospheres along L educed Iron (C4)	. ,		` ,	
Iron Deposits	, ,	-		educed from (C4) eduction in Tilled		Shallow Aquit		
Surface Soil C	* *	-		essed Plants (D1	` '	FAC-Neutral 1	ounds (D6) (LRR A)	
	sible on Aerial Imager	, (D7)	Other (Explain		(LKK A)		Hummocks (D7)	
	etated Concave Surfa	- ' '	Other (Explain	iii Keiliaiks)		FIOSI-FIEAVET	idilililocks (D1)	
		Се (ВО)						
Field Observation								
Surface Water Pro		_	No X	Depth (inche	·——	Wetland		
Water Table Pres	=		No X	Depth (inche	· ——	Hydrology	Yes	No X
Saturation Preser (includes capillary	-		No X	Depth (inche	s):	Present?		
Describe Record	led Data (stream gau	ige, monitori	ing well, aerial ph	otos, previous i	nspections), if	available:		
Remarks:								
AGIIIdi No.								

Project No.: 554-1800-030 and -019

Project/Site: O	MFS and TDLE		City/County:	Federal Way,	King County	Sampling Date: 11/6/2019
Applicant/Owner:	Sound Transit			· outlantiay,	State: WA	Sampling Point: WFW-08-SP3
Investigator(s):	S. Krueger, A. Thom				ection, Township, Range:	T21N R04E S16
Landform (hillslope		Stream be	ench	_	lief (concave, convex, none):	none Slope (%): <3%
	Northwest Forests and Coast (LR		Lat: 47.308250		ng: -122.302752	Datum: NAD 1983
Soil Unit (Name-ID	,	"	to 6 percent slopes -	_	- <del> </del>	classification: none
,	ologic conditions on the site typical				<del></del>	(If no, explain in Remarks)
Are Vegetation	, Soil,	or Hydrology	significantly dis	sturbed? A	re "Normal Circumstances" pre	sent? Yes X No
Are Vegetation	, SoilX,	or Hydrology	naturally proble	ematic? (If	f needed, explain any answers	in Remarks.)
SUMMARY O	F FINDINGS – Attach site	map showi	ng sampling poi	nt locations	, transects, important fo	eatures, etc.
Hydrophytic Vege	etation Present? Y	es X	No			
Hydric Soil Prese	nt? Y	es X	No	Is the Sampl	ed Area	
Wetland Hydrolog	gy Present? Y	es X	No	within a Wet	land? Yes	No
Precipitation:				•		
	Seattle Tacoma International NOAA	weather station	n, precipitation was ab	ove the normal	range for the three months price	or to the site visit.
, and the second						
Remarks:						
	or WFW-08; located in NW section modified, resulting in disturbed soils			E. Fork Hylebos	s Creek Tributary 0016A and is	adjacent to a golf course. The stream
,	, 0			drophytic vegeta	ation, geomorphic position on s	tream bench, significant organics in
	vetland hydrology indicators support			,	, g	a cannot be games in
VEGETATION						
		Absolute	Dominant	Indicator	Dominance Test workshe	et:
Tree Stratum	(Plot size: 1m^2)	% Cover	Species?	<u>Status</u>	Number of Dominant Speci	es
1. none					That Are OBL, FACW, or F.	AC: 1 (A)
2.						
3.					Total Number of Dominant	
4.					Species Across All Strata:	1 (B)
		0%	= Total Cover			( ,
Sapling/Shrub St	ratum (Plot size: 1m^2)				Percent of Dominant Specie	es
1. none					That Are OBL, FACW, or F.	AC: <u>100%</u> (A/B)
2.					Prevalence Index worksh	, ,
3.	_	-	-		Total % Cover of:	Multiply by:
4.					OBL species	x 1 =
5.					FACW species	x 2 =
		0%	= Total Cover		FAC species	x 3 =
Herb Stratum	(Plot size: 1m^2)				FACU species	x 4 =
1 Phalaris arund	dinacea	95%	Yes	FACW	UPL species	x 5 =
Typha latifolia		5%	No	OBL	Column Totals:	(A) (B)
3					Prevalence Inde	x = B/A =
4.			-		Hydrophytic Vegetation II	
5.				-	1 - Rapid Test for Hyd	rophytic Vegetation
6.			-		X 2 - Dominance Test is	>50%
7.				-	3 - Prevalence Index is	s ≤3.0 <sup>1</sup>
8.			-			ptations <sup>1</sup> (Provide supporting
9.			-			on a separate sheet)
10.				-	5 - Wetland Non-Vasc	ular Plants <sup>1</sup>
11.			-		<del></del>	rtic Vegetation (Explain) <sup>1</sup>
		100%	= Total Cover	-	<sup>1</sup> Indicators of hydric soil an	· · · ·
Woody Vine Stra	tum (Plot size: 1m^2)	10070	10101		be present.	,,
1. <u>none</u>						
2					Hydrophytic	
9/ Para Crassell	n Harb Stratum 00/	0%	= Total Cover		Vegetation Ye	es X No
% Bare Ground in	n Herb Stratum0%				Present?	
Remarks:						

**Parametrix** 

Project No.: 554-1800-030 and -019

SOIL							Sampling Point:	WFW-08-SP3
Profile Description (Descr	ibe to the dep	th needed	I to document the	e indicator or co	nfirm the absen	ce of indicators):		
Depth	Matrix			Redox	Features			
(inches) Color (		%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-7 10YR		100				<del></del> -	CL	greasy
	<del></del>					<del></del> -		
						<del></del> -		
			-					
		<del></del>			<del></del>			
			_				_	
<sup>1</sup> Type: C=Concentration, D=						ocation: PL=Pore Linin	=	
<sup>3</sup> Texture: Sa = sand; Si = sil					f = fine; vf = very			
Hydric Soil Indicators (App	olicable to all L	RRs, unl	ess otherwise no	oted):		Indicators for Pro	blematic Hydric Soils <sup>3</sup> :	
Histosol (A1)		_	Sandy Redox	(S5)		2 cm Muck (A	10)	
Histic Epipedon (A2)		_	Stripped Matrix	x (S6)		Red Parent M	aterial (TF2)	
Black Histic (A3)		_	Loamy Mucky	Mineral (F1) (exc	ept MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Sulfide (A4)		_	Loamy Gleyed	Matrix (F2)		X Other (Explain	in Remarks)	
Depleted Below Dark S	urface (A11)	_	Depleted Matri	ix (F3)				
Thick Dark Surface (A12	2)	_	Redox Dark S	urface (F6)		31	alla produce and a second	
Sandy Mucky Mineral (S	S1)	_	Depleted Dark	Surface (F7)		•	phytic vegetation and wetle present, unless disturbed o	
Sandy Gleyed Matrix (S	4)		Redox Depres	sions (F8)		problematic.	process, amood distarboard	,
Restrictive Layer (if preser	nt)·							
Type: quarry s						Hydric Soil		
	7"		<del></del> -			Present?	Yes X	No
Depart (mones).	<u>'</u>					i icociic.		
Soil appears to be a fluvial e wetland hydrology indicators	•							
HYDROLOGY								
Wetland Hydrology Indicat	tors:							
Primary Indicators (minimum		d: check a	ıll that annly)			Secondary Indicate	rs (2 or more required)	
•	TOT OTIC TOQUITO	a. oncor o		Lagues (BO) (ave	ant MI DA			
Surface Water (A1)		_		Leaves (B9) (exc	ept MLRA		Leaves (B9) (MLRA 1, 2,	
X High Water Table (A2)			1, 2, 4A, and	•		4A, and 4B)		
X Saturation (A3)  X Water Marks (B1)		_	Salt Crust (B1: Aquatic Inverte			Drainage Patt	/ater Table (C2)	
* ,		-				<del></del>		
Sediment Deposits (B2)		-	Hydrogen Sulf	` '	(00)		ible on Aerial Imagery (C9)	1
Drift Deposits (B3)		-		ospheres along Li	ving Roots (C3)	X Geomorphic P		
Algal Mat or Crust (B4)		-		educed Iron (C4)	0 11 (00)	Shallow Aquita		
Iron Deposits (B5)		_	<del></del>	eduction in Tilled	` '	X FAC-Neutral T	, ,	
Surface Soil Cracks (B6	,			essed Plants (D1)	(LRR A)		ounds (D6) (LRR A)	
Inundation Visible on Ae		_	Other (Explain	in Remarks)		Frost-Heave F	lummocks (D7)	
Sparsely Vegetated Cor	ncave Surface (	B8)						
Field Observations:								
Surface Water Present?	Yes		No X	Depth (inches	s):	Wetland		
Water Table Present?	Yes	Х	No	Depth (inches	s): 1	Hydrology	Yes X	No
Saturation Present?	Yes	X	No	Depth (inches	s): 0	Present?		
(includes capillary fringe)								
Describe Recorded Data (	stream gauge,	monitori	ng well, aerial ph	otos, previous i	nspections), if a	vailable:		
Domonico:								
Remarks:								

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES
Project No.: 554-1800-030 and -019

Project/Site: OMFS and TDLE		City/County:	Federal Way, I	King County	Sampling D	ate: 11/6	6/2019
Applicant/Owner: Sound Transit				State: V		ling Point: W	FW-09-SP1
Investigator(s): S. Krueger, A. Thom			Se	ection, Township, Range	e: T21I	N R04E S16	
Landform (hillslope, terrace, etc.):	stream be	nch	Local rel	lief(concave, convex, none	): none	Slope (%	): None
Subregion (LRR): Northwest Forests and Coast (I	_RR A))	Lat: 47.307276	Lon	g:122.302679	Dat	tum: NAI	D 1983
Soil Unit (Name-ID-Hydric Rating): Arents, Ald	erwood material, 0	to 6 percent slopes -	AmB -	Not Hydric	NWI classification:	non	е
Are climatic / hydrologic conditions on the site typic		•	Ye			ain in Remarks	;)
Are Vegetation, Soil				e "Normal Circumstance	•	Yes X	No
<u></u>	="	naturally proble		needed, explain any an	•		
SUMMARY OF FINDINGS – Attach site			int locations	s, transects, impo	rtant features, e	etc.	
• • • •	Yes X	No	Is the Sample	ad Area			
,	Yes X	No	within a Wetl	am d 2			
Wetland Hydrology Present?	Yes X	No	Within a Weti	Yes_	X No_		
Precipitation: According to the Seattle Tacoma International NOA	A weather static	on precipitation was a	above the norma	Il range for the three mo	onths prior to the site	visit	
recording to the occurrence records international recording	v v wodinor oldic	m, prodipitation was t	above the norma	in range for the three me	ontaio prior to trio oito	VIOIL.	
Remarks:							
PSS wetland SP for WFW-09. Approx. 3m east of E	E. Fork Hylebos	Creek Tributary 0016	A near OHWM f	lag WH-LB34			
VEGETATION							
	Absolute	Dominant	Indicator	Dominance Test wo			
Tree Stratum (Plot size: r=3m)	% Cover	Species?	<u>Status</u>	Number of Dominant	t Species		
1. none				That Are OBL, FACV	V, or FAC:	3	_(A)
2	-						
4.	<u> </u>			Total Number of Dor			
				Species Across All S	Strata: _	3	_(B)
(D) (1 (D) (1 (T-2m)	0%	= Total Cover					
Sapling/Shrub Stratum (Plot size: r=2m)				Percent of Dominant	·	<u>100%</u>	
Rubus speciabilis	50%	Yes	FAC	That Are OBL, FACV		100%	(A/B)
3	30%	Yes	FACW	Prevalence Index w  Total % Cover of		•	
T TAXITIUS TALITOTIA	10%	No No	FACW	OBL species	x 1 =		
Rubus armeniacus     Rubus ursinus	<u>5%</u> 5%	No No	<u>FAC</u> FACU	FACW species	x 2 =		
Rubus ursinus	-	= Total Cover	FACU	FAC species	x 3 =		
Herb Stratum (Plot size: r=1m)	10070	Total Cover		FACU species	x 4 =	-	
1. Carex obnupta	60%	Yes	OBL	UPL species	x 5 =		
Phalaris arundinacea	10%	No	FACW	Column Totals:	(A)	-	(B)
3. Ranunculus repens	2%	No	FAC	Prevalence	e Index = B/A =		
4.	-			Hydrophytic Vegeta	ation Indicators:		
5.	-			1 - Rapid Test f	or Hydrophytic Vege	etation	
6.				X 2 - Dominance	Test is >50%		
7.				3 - Prevalence I	Index is ≤3.0 <sup>1</sup>		
8.	_			4 - Morphologic	al Adaptations <sup>1</sup> (Pro	vide supporting	g
9.				data in Rema	arks or on a separate	e sheet)	
10				5 - Wetland Nor	n-Vascular Plants <sup>1</sup>		
11.				Problematic Hyd	drophytic Vegetation	ı (Explain) <sup>1</sup>	
	72%	= Total Cover		<sup>1</sup> Indicators of hydric	soil and wetland hyd	Irology must	
Woody Vine Stratum (Plot size: r=2m)				be present.			
1. <u>none</u> 2.	-			Hydrophytic			
	0%	= Total Cover		Vegetation	Yes X	No	
% Bare Ground in Herb Stratum28%				Present?			_
Remarks:							



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Project No.: 554-1800-030 and -019

SOIL							Sampling Point:	WFW-09-SP1
Profile Descrip	tion (Describe to th	e depth nee	ded to document the	indicator or o	onfirm the abs	ence of indicators):		
Depth	Matr	ix		Redo	x Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-5	10YR 2/2	100					CL	
5-10	10YR 4/1	95	10YR 5/8	5	C	M	CL	
10-16	5Y 5/2	70	7.5YR 4/4	30		PL	CL -	
<sup>1</sup> Type: C=Conce	entration, D=Depletio	n. RM=Redu	ced Matrix, CS=Cove	red or Coated S	Sand Grains. 2	Location: PL=Pore Lir	ing. M=Matrix.	
_ **	•						ore clay); - = light (less clay)	
			unless otherwise no		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		oblematic Hydric Soils <sup>3</sup> :	
-		,,		·			•	
Histosol (A1 Histic Epipe			Sandy Redox (S			2 cm Muck (A Red Parent M		
· ' '	` '		Stripped Matrix		cent MI DA 1)	<del></del>	Dark Surface (TF12)	
Black Histic Hydrogen S	` '		Loamy Mucky N		oopi wilna 1)		, ,	
	unide (A4) Iow Dark Surface (A	11)	Loamy Gleyed I  X Depleted Matrix			Other (Explai	n in Remarks)	
	ow Dark Surface (A Surface (A12)	· · <i>)</i>	Redox Dark Su					
	y Mineral (S1)		Depleted Dark S	, ,			ophytic vegetation and wetla	
	ed Matrix (S4)		Redox Depress			hydrology must be problematic.	present, unless disturbed of	or
	. ,		Redox Depress	10113 (1 0)	1	problematic.		
Restrictive Laye								
	oe: none					Hydric Soil	v v	
Depth (inches)	:n/a	_				Present?	Yes X	No
Remarks:								
HYDROLOG	Y							
Wetland Hydrol	ogy Indicators:							
Primary Indicato	rs (minimum of one r	equired: che	ck all that apply)	_		Secondary Indicat	ors (2 or more required)	
Surface Wat	er (A1)		Water-Stained I	eaves (B9) (ex	cept MLRA	Water-Staine	d Leaves (B9) (MLRA 1, 2,	
X High Water	Table (A2)		1, 2, 4A, and	4B)		4A, and 4B	)	
X Saturation (A			Salt Crust (B11	)		Drainage Pat	terns (B10)	
Water Marks	s (B1)		Aquatic Invertel	orates (B13)		Dry-Season V	Vater Table (C2)	
Sediment De	eposits (B2)		Hydrogen Sulfic	le Odor (C1)		Saturation Vis	sible on Aerial Imagery (C9)	
Drift Deposit	s (B3)		X Oxidized Rhizos	spheres along L	iving Roots (C3	) X Geomorphic I	Position (D2)	
Algal Mat or	Crust (B4)		Presence of Re	duced Iron (C4	)	Shallow Aquit	ard (D3)	
Iron Deposit	s (B5)		Recent Iron Rec	duction in Tilled	Soils (C6)	X FAC-Neutral	Test (D5)	
Surface Soil	Cracks (B6)		Stunted or Street	ssed Plants (D1	) (LRR A)	Raised Ant M	ounds (D6) (LRR A)	
Inundation V	isible on Aerial Imag	ery (B7)	Other (Explain i	n Remarks)		Frost-Heave	Hummocks (D7)	
Sparsely Ve	getated Concave Su	rface (B8)						
Field Observation	ons:							
Surface Water F		s	No X	Depth (inche	s):	Wetland		
Water Table Pre			No No	Depth (inche		Hydrology	Yes X	No
Saturation Prese			 No	Depth (inche	· ——	Present?	<u>x</u>	
(includes capilla		<u> </u>		Bopti (mono	o)			
Describe Reco	rded Data (stream g	jauge, moni	oring well, aerial ph	otos, previous	inspections), i	f available:		
Remarks:	eres observed at de	nths hatwaar	10 and 16 inches					
CAIGIZOG THISOPH	S. SS SSSS VOG at Ge	pano polividei	and io mones.					

Project No.: 554-1800-030 and -019

Project/Site: OMFS and	d TDLE		City/County:	Federal Way, K	ling County	Samplin	g Date:	11/6/2019
Applicant/Owner: Sound	d Transit				State:	WA Sa	mpling Point:	WFW-09-SP2
Investigator(s): S. Kru	eger, A. Thom			Sec	ction, Township, Ran	ge:	21N R04E S1	3
Landform (hillslope, terrace,	etc.):	stream be	nch	Local reli	ef(concave, convex, no	ne): none	Slope	(%): <3%
Subregion (LRR): North	west Forests and Coast (L	.RR A))	Lat: 47.307265	_ Long	g: <u>-122.302611</u>		Datum:	NAD 1983
Soil Unit (Name-ID-Hydric	Rating): Arents, Alde	erwood material, 0 t	to 6 percent slopes -	AmB -	Not Hydric	NWI classification	on:r	none
Are climatic / hydrologic c	= = =		-	Yes	SNo	X (If no, e	xplain in Rema	rks)
	, Soil				"Normal Circumstan	•	-	No
		· ' <del>-</del>	naturally proble		needed, explain any		•	
SUMMARY OF FINE				int locations	, transects, imp	ortant teature	s, etc.	
Hydrophytic Vegetation F		Yes X	No	Is the Sample	d Area			
Hydric Soil Present?		Yes	No X	within a Wetla	md?		la V	
Wetland Hydrology Prese	311.5	Yes	No <u>X</u>	1	Yes_		No X	
Precipitation: According to the Seattle T	acoma International NOA	A weather statio	n. precipitation was a	above the normal	range for the three n	nonths prior to the	site visit.	
			, р			риот и и		
Remarks:								
Upland SP for WFW-09. k	ocated approx. 5m east of	E. Fork Hylebo	s Creek Tributary 001	16A and approx. 3	3m east of WFW-09-	SP1		
VEGETATION					T			
		Absolute	Dominant	Indicator	Dominance Test			
1. Panylya halaamifara	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Domina	•		
Populus baisarrillera		20%	Yes	<u>FAC</u>	That Are OBL, FAC	CW, or FAC:	4	(A)
Fraxinus latifolia 3.		10%	Yes	FACW				
4.					Total Number of D			4-1
· -					Species Across All	Strata:	4	(B)
Canling/Church Ctratum	(Dlot size, r=2m)	30%	= Total Cover		Dersent of Demine	nt Cassias		
Sapling/Shrub Stratum  1. Dubus anastabilis	(Plot size: 1-2m)	700/	.,		Percent of Domina	·	100%	(4.75)
Rubus speciabilis		70%	Yes	FAC	That Are OBL, FAC		100 78	(A/B)
Rubus ursinus 3.		2%	No	<u>FACU</u>	Prevalence Index Total % Cove		bv:	
4.					OBL species	x 1 =		_
5.					FACW species	x 2 =		
		72%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: r=1m)	1270	- Total Gover		FACU species	x 4 =		
Carex obnupta	(* 22222	80%	Yes	OBL	UPL species	x 5 =		
2.			100		Column Totals:	(A)		(B)
3.					Prevalen	ice Index = B/A =		``
4.					Hydrophytic Vege	etation Indicators		
5.					1 - Rapid Tes	t for Hydrophytic V	egetation	
6.					X 2 - Dominance	e Test is >50%		
7.					3 - Prevalence	e Index is ≤3.0 <sup>1</sup>		
8.					4 - Morpholog	ical Adaptations <sup>1</sup> (	Provide suppor	ting
9.					data in Re	marks or on a sepa	arate sheet)	
10.					5 - Wetland N	on-Vascular Plants	s <sup>1</sup>	
11					Problematic H	lydrophytic Vegeta	tion (Explain) <sup>1</sup>	
		80%	= Total Cover		<sup>1</sup> Indicators of hydri	c soil and wetland	hydrology mus	t
Woody Vine Stratum	(Plot size: <u>r=2m)</u>				be present.			
1. <u>none</u> 2.					Hydrophytic			
		0%	= Total Cover		Vegetation	Yes X	No	
% Bare Ground in Herb	Stratum 20%				Present?			
Pomorke:		<del>-</del>						
Remarks:								
1								

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Project No.: 554-1800-030 and -019

Profile Descrip							Sampling Point:	WFW-09-SP
	otion (Describe to the	depth neede	d to document the	indicator or c	onfirm the abse	nce of indicators):		
Depth	Matrix			Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture <sup>3</sup>	Remarks
0-9	10YR 3/2	100					CL	
9-18	10YR 3/2	90	10YR 5/6	5	C	M	CL	
			10YR 4/6	C	C	M	CL	
Type: C=Cond	entration, D=Depletion,	. RM=Reduce	d Matrix. CS=Covere	ed or Coated S	Sand Grains. <sup>2</sup> L	ocation: PL=Pore Lir	ning, M=Matrix.	
							ore clay); - = light (less clay)	
	icators (Applicable to		-		o,		oblematic Hydric Soils <sup>3</sup> :	
•	,			ŕ			•	
Histosol (A		_	Sandy Redox (S	·		2 cm Muck (A	•	
Histic Epipe		_	Stripped Matrix (		cont MLDA 4)	Red Parent N		
Black Histic		_	Loamy Mucky Mi		cept MLRA 1)		Dark Surface (TF12)	
Hydrogen S	` '	-	Loamy Gleyed M			Other (Explai	n in Remarks)	
	elow Dark Surface (A11		Depleted Matrix ( Redox Dark Surf					
	Surface (A12) ky Mineral (S1)	_		, ,		<sup>3</sup> Indicators of hydr	ophytic vegetation and wetla	and
	• • •	_	Depleted Dark S Redox Depression			hydrology must be problematic.	present, unless disturbed of	r
	red Matrix (S4)		Redox Depression	JIIS (F0)	<u> </u>	problematic.		
	er (if present):							
	pe: none					Hydric Soil		
Depth (inches	):n/a					Present?	Yes	No X
Remarks:								
HYDROLOG Vetland Hydro Primary Indicato Surface Wa	logy Indicators: ors (minimum of one red oter (A1) Table (A2)	quired: check : _	Water-Stained Le	, , ,	cept MLRA	Water-Staine 4A, and 4E	•	
HYDROLOG Wetland Hydro Primary Indicato Surface Wa	logy Indicators: ors (minimum of one rec ater (A1) Table (A2) A3)	quired: check : 	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	4B)	cept MLRA	Water-Staine 4A, and 4EDrainage Pat	d Leaves (B9) (MLRA 1, 2,	
HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark	logy Indicators: ors (minimum of one red ster (A1) Table (A2) (A3) (ss (B1)	quired; check : - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Inverteb	4B) rates (B13)	cept MLRA	Water-Staine 4A, and 4E Drainage Pat Dry-Season V	d Leaves (B9) (MLRA 1, 2, s) terns (B10)	
HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark	logy Indicators: ors (minimum of one reconster (A1) Table (A2) (A3) (s (B1) Deposits (B2)	quired; check : - - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide	4B) rates (B13) e Odor (C1)		Water-Staine 4A, and 4E Drainage Pat Dry-Season V	d Leaves (B9) (MLRA 1, 2, s) terns (B10) Water Table (C2) sible on Aerial Imagery (C9)	
HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos	logy Indicators: ors (minimum of one recenter (A1) Table (A2) (A3) s (B1) Deposits (B2) its (B3)	quired: check : - - - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp	rates (B13) e Odor (C1) pheres along L	iving Roots (C3)	Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic	d Leaves (B9) (MLRA 1, 2, s) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2)	
HYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o	logy Indicators: ors (minimum of one reconster (A1) Table (A2) (A3) ss (B1) deposits (B2) its (B3) r Crust (B4)	quired: check - - - - - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebe Hydrogen Sulfide Oxidized Rhizosp Presence of Red	rates (B13) e Odor (C1) pheres along L duced Iron (C4)	iving Roots (C3)	Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui	d Leaves (B9) (MLRA 1, 2, s) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)	
HYDROLOG  Wetland Hydro  Primary Indicato  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi	logy Indicators: ors (minimum of one receiter (A1) Table (A2) (A3) (as (B1) Deposits (B2) (its (B3) or Crust (B4) ts (B5)	quired: check - - - - - - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebe Hydrogen Sulfide Oxidized Rhizose Presence of Red Recent Iron Red	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled	iving Roots (C3) Soils (C6)	Water-Staine  4A, and 4E  Drainage Pat  Dry-Season V  Saturation Vi  Geomorphic  Shallow Aqui  X FAC-Neutral	d Leaves (B9) (MLRA 1, 2, 5) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)	
HYDROLOG  Wetland Hydro  Primary Indicate  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi	logy Indicators: ors (minimum of one reconster (A1) Table (A2) (A3) (S (B1) Deposits (B2) its (B3) or Crust (B4) Its (B5) Il Cracks (B6)	- - - - - -	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Redi	rates (B13) e Odor (C1) pheres along L luced Iron (C4) uction in Tilled sed Plants (D1	iving Roots (C3) Soils (C6)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) counds (D6) (LRR A)	
HYDROLOG  Wetland Hydro  Primary Indicate  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation	logy Indicators: ors (minimum of one reconter (A1) Table (A2) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4	- - - - - - - ry (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebe Hydrogen Sulfide Oxidized Rhizose Presence of Red Recent Iron Red	rates (B13) e Odor (C1) pheres along L luced Iron (C4) uction in Tilled sed Plants (D1	iving Roots (C3) Soils (C6)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2, 5) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)	
HYDROLOG  Wetland Hydro  Primary Indicate Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation	logy Indicators: ors (minimum of one reconster (A1) Table (A2) A3) Is (B1) Deposits (B2) Its (B3) Ir Crust (B4) Its (B5) Il Cracks (B6) Visible on Aerial Image: orgetated Concave Surfa	- - - - - - - ry (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Redi	rates (B13) e Odor (C1) pheres along L luced Iron (C4) uction in Tilled sed Plants (D1	iving Roots (C3) Soils (C6)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) counds (D6) (LRR A)	
HYDROLOG  Wetland Hydro  Primary Indicato  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation (  Sparsely Verical (  Field Observat	logy Indicators: ors (minimum of one reconstrer (A1) Table (A2) (A3) (A3) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A5) (A5) (A6) (A6) (A6) (A6) (A6) (A6) (A6) (A6		Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)	iving Roots (C3) Soils (C6) ) (LRR A)	Water-Staine 4A, and 4E Drainage Pat Dry-Season N Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant N Frost-Heave	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) counds (D6) (LRR A)	
HYDROLOG  Wetland Hydro  Primary Indicato  Surface Wat  High Water  Saturation (  Water Mark  Sediment D  Drift Depose  Algal Mat of  Iron Deposi  Surface Soi  Inundation of  Sparsely Veter	logy Indicators: ors (minimum of one reconstrer (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4		Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches	iving Roots (C3) Soils (C6) ) (LRR A)	Water-Staine 4A, and 4E Drainage Pat Dry-Season N Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	
Primary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface Soi Inundation Sparsely Ve Field Observat Surface Water Water Table Pr	logy Indicators: ors (minimum of one reconstrer (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4	ry (B7)!	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches	s):siving Roots (C3)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) counds (D6) (LRR A)	No_X
HYDROLOG  Wetland Hydro  Primary Indicate  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation (  Sparsely Ve  Field Observat  Surface Water  Water Table Pr  Saturation Press	logy Indicators: ors (minimum of one reconter (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A5) (A5) (A5) (A5) (A6) (A6) (A6) (A6) (A6) (A6) (A6) (A6	ry (B7)!	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches	s):siving Roots (C3)	Water-Staine 4A, and 4E Drainage Pat Dry-Season N Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	
HYDROLOG  Wetland Hydro  Primary Indicate  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation  Sparsely Ve  Field Observat  Surface Water  Water Table Pr	logy Indicators: ors (minimum of one reconter (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A5) (A5) (A5) (A5) (A6) (A6) (A6) (A6) (A6) (A6) (A6) (A6	ry (B7)!	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches	s):siving Roots (C3)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	
HYDROLOG  Wetland Hydro  Primary Indicate  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation  Sparsely Ve  Field Observat  Surface Water  Water Table Pr  Saturation Press (includes capilli	logy Indicators: ors (minimum of one reconster (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4	ry (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfide Oxidized Rhizos Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches Depth (inches	iving Roots (C3) Soils (C6) ) (LRR A)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	
HYDROLOG  Wetland Hydro  Primary Indicate  Surface Wa  High Water  Saturation (  Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation  Sparsely Ve  Field Observat  Surface Water  Water Table Pr  Saturation Press (includes capilli	logy Indicators: ors (minimum of one reconter (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A5) (A5) (A5) (A5) (A6) (A6) (A6) (A6) (A6) (A6) (A6) (A6	ry (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfide Oxidized Rhizos Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches Depth (inches	iving Roots (C3) Soils (C6) ) (LRR A)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	
HYDROLOG  Netland Hydro  Primary Indicate  Surface Wa  High Water  Saturation ( Water Mark  Sediment D  Drift Depos  Algal Mat o  Iron Deposi  Surface Soi  Inundation  Sparsely Ve  Field Observat  Surface Water  Water Table Pr  Saturation Press  (includes capillise	logy Indicators: ors (minimum of one reconster (A1) Table (A2) (A3) (A3) (A3) (A4) (A4) (A4) (A4) (A4) (A4) (A4) (A4	ry (B7)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfide Oxidized Rhizos Presence of Red Recent Iron Redi Stunted or Stress Other (Explain in	rates (B13) e Odor (C1) pheres along L duced Iron (C4) uction in Tilled sed Plants (D1 n Remarks)  Depth (inches Depth (inches	iving Roots (C3) Soils (C6) ) (LRR A)	Water-Staine 4A, and 4E Drainage Pat Dry-Season \ Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant N Frost-Heave  Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2, 4) terns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	

Project No.: 554-1800-030 and -019

 ${\bf ENGINEERING}. \ {\bf PLANNING}. \ {\bf ENVIRONMENTAL} \ {\bf SCIENCES}$ 

Project/Site: OMFS and TDL	E	City/County:	Federal Way, h	King County	Sampling	Date:	11/20/2019
Applicant/Owner: Sound Tran	sit	<del></del> · ·		State: W	-		WFW-10-SP03
Investigator(s): Steve Krueg	jer, Aaron Thom		S	ection, Township, Range:	<del></del> -	T21N R04E S	16
Landform (hillslope, terrace, etc.):	stream be	ench	Local re	lief (concave, convex, none):	none	Slope (	(%):<3%
Subregion (LRR): Northwest F	orests and Coast (LRR A))	Lat: 47.304418	Long	g:122.303953	D	atum:	NAD 1983
Soil Unit (Name-ID-Hydric Rating	i): Alderwood gravelly sandy loa	am, 0 to 8 % slopes -	AgB -	Not Hydric 1	NWI classification	ı:	none
	ns on the site typical for this time of	•	Yes			plain in Remar	rks)
	, Soil, or Hydrology			e "Normal Circumstances	•	_	<u>x</u> No
· · · · · · · · · · · · · · · · · · ·	, Soil, or Hydrology	·		needed, explain any ansv			
	S – Attach site map show	ng sampling poin	t locations,	transects, importa	int features, e	etc.	
Hydrophytic Vegetation Present	? Yes X	No					
Hydric Soil Present?	YesX	No	Is the Sample	42			
Wetland Hydrology Present?	YesX	No	within a Wetla	Yes	X No	<u> </u>	
•	International NOAA weather static December. The month of November			•	•	visits in Nover	mber and within
Remarks:	December. The month of November	er was uner than norma	ii, and Decembe	er was weller than normal	1.		
PFO wetland SP for WFW10, Un	it A. Located approx. 2m west of E	. Fork Hylebos near OH	IWM flag RB5.				
VEGETATION							
	Absolute	Dominant	Indicator	Dominance Test work	sheet:		
Tree Stratum (Plo	t size: <u>r=3m)</u> <u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant S	pecies		
1. none				That Are OBL, FACW,	or FAC:	1	(A)
2.							<u></u>
3.				Total Number of Domin	nant		
4.				Species Across All Stra	ata:	1	(B)
	0%	= Total Cover					
Sapling/Shrub Stratum (Plo	t size: <u>r=2m)</u>			Percent of Dominant S	pecies		
1. Rubus armeniacus	80%	Yes	FAC	That Are OBL, FACW,	or FAC:	<u>100%</u>	(A/B)
2. Acer circinatum	5%	No	FAC	Prevalence Index wor			
3. Rubus laciniatus	5%	No	FACU	Total % Cover of:	Multiply b	oy:	-
4. Ilex aquifolium	2%	No	FACU	OBL species	x 1 =		
5		<u> </u>		FACW species	x 2 =		
	92%	= Total Cover		FAC species	x 3 =		
Herb Stratum (Plo	t size: <u>r=1m)</u>			FACU species	x 4 =		
Ranunculus repens	1%	No	FAC	UPL species	x 5 =		
2				Column Totals:	(A)		(B)
3.		<u> </u>			Index = B/A =		
4		<u> </u>		Hydrophytic Vegetation			
5.		<u> </u>		1 - Rapid Test for	, , , ,	etation	
6.		<del></del>		X 2 - Dominance Te			
7.		<del></del>		3 - Prevalence Ind			
8.		<del></del>		4 - Morphological	. ,		ng
9.		<u> </u>			ks or on a separa	te sheet)	
10.		<u> </u>		5 - Wetland Non-V		/ <del>-</del> 1 · · · · · 1	
11.		- <u> </u>		Problematic Hydro	-		
Woody Vino Stratum (Plo	1% t size: <u>r=2m)</u>	= Total Cover		Indicators of hydric so	I and wetland hy	drology must	
Woody Vine Stratum  1. none (Plo	. GIZG. <u></u>			be present.			
2.				Hydrophytic			
	0%	= Total Cover		Vegetation	Yes X	No	
% Bare Ground in Herb Stratur	n 99%	=		Present?			<del></del>
Remarks:				1			

**Parametrix** 

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project No.: 554-1800-019 and -030

SOIL							Sampling Poi	int: WFW-10-SP03
	on (Describe to	the depth no	eded to document	the indicator or co	onfirm the absen	nce of indicators):		
Depth	M	atrix		Redox	c Features			
(inches)	Color (moist)	%	Color (mois		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-2	10YR 2/2	100		<u> </u>	· · · · · · · · · · · · · · · · · · ·		L	
2-9	10YR 3/2	100		<u> </u>			L	redox may be masked
9-12	10YR 4/2	100					SaL	by organics
12-16	2.5Y 4/2	90	7.5Y 5/8	10	C		SaL	
				_				
<sup>1</sup> Type: C=Concent	ration, D=Deple	tion, RM=Re	duced Matrix, CS=Co	vered or Coated Sa	and Grains. <sup>2</sup> L	ocation: PL=Pore Li	ining, M=Matrix.	
<sup>3</sup> Texture: S = sand;	; Si = silt; C = cla	ay; L = loam	or loamy. Texture Mo	difier: co = coarse;			e clay); - = light (less clay	)
Hydric Soil Indica	tors (Applicabl	e to all LRR	s, unless otherwise	noted):		Indicators for P	roblematic Hydric Soils <sup>3</sup>	:
Histosol (A1)			Sandy Redo	x (S5)		2 cm Muck	_	
Histic Epipedor	n (A2)		Stripped Ma	` '			Material (TF2)	
Black Histic (A	` '			xy Mineral (F1) (exc	ent MI RA 1)		w Dark Surface (TF12)	
x Hydrogen Sulfi	•			ed Matrix (F2)	opt will (1)		ain in Remarks)	
x Depleted Below	` '	(Δ11)	Depleted Ma	` '		Other (Expl	am in remarks)	
Thick Dark Sur		(/ (		Surface (F6)				
Sandy Mucky I				rk Surface (F7)			drophytic vegetation and w	
Sandy Gleyed	, ,		Redox Depre	* *		hydrology must b problematic.	e present, unless disturbe	ed or
				(, 0)		procession.		
Restrictive Layer						11-1-1-0-2		
Type						Hydric Soil	v v	
Depth (inches):	n/a					Present?	Yes X	No
Remarks: Assumed to be hyd	lric, with a probl	ematic layer	9-12 (lots of organic r	nasking)				
HYDROLOGY								
Wetland Hydrolog	v Indicators:							
Primary Indicators	•	e required: ch	neck all that annly)			Secondary Indica	ators (2 or more required)	
Surface Water	,	o reguired. Or		ed Leaves (B9) (exc	cont MI DA	•	ed Leaves (B9) (MLRA 1,	2
x High Water Ta	` '		1, 2, 4A, a		Dept MEINA	4A, and 4		2,
x Saturation (A3)	` '		Salt Crust (E	•			atterns (B10)	
Water Marks (F	•			rtebrates (B13)			Water Table (C2)	
Sediment Depo	·		<del></del> '	ulfide Odor (C1)			/isible on Aerial Imagery (	C0)
Drift Deposits (	` '		<u> </u>	izospheres along L	iving Roots (C3)	x Geomorphic	• • •	59)
Algal Mat or Ci			<del></del>	Reduced Iron (C4)	- , ,	Shallow Aqu	` '	
Iron Deposits (				Reduction in Tilled		FAC-Neutra		
Surface Soil C	•							
	` '	ogon/ (D7)		tressed Plants (D1)	(LKK A)		Mounds (D6) (LRR A)	
	ible on Aerial Im	0 , , ,	Other (Expla	in in Remarks)		Frost-neave	Hummocks (D7)	
	tated Concave	Surrace (B8)				1		
Field Observation	s:							
Surface Water Pre	esent?	Yes	Nox	Depth (inche	s):	Wetland		
Water Table Prese	ent?	Yes <u>x</u>	No	Depth (inche	s): <u>5.5</u>	Hydrology	Yes X	No
Saturation Present		Yes <u>x</u>	No	Depth (inche	s): surface	Present?		
(includes capillary	tringe)							
Describe Recorde	ed Data (strean	n gauge, mo	nitoring well, aerial	photos, previous i	inspections), if a	<u> </u> available:		
Remarks:								·

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