	Project/Site:	OMFS and TDLE		City/County:	Federal Way	, King County	Sampling	Date:	12/3/2019
Landborn histors, versus, veics Loran million histors, cerver, roles more Stope (%) <1% Storegies (LRR) Northwest Forests and Coast (LRR A) Lat: \$47.304432 Lorgy 122.204019 Doublet NAD 1883	Applicant/Owner:	Sound Transit				State: V	VA Sam	npling Point:	WFW-10-SP04
Submignior LRRy: Northwest Friends and Coset (LRR A) Let: 47.004432 Long	Investigator(s):	T. Parry, A. Thom			_	Section, Township, Range	: <u></u>	Γ21N R04E S16	6
Additional Content Additio	Landform (hillslope	e, terrace, etc.):	terrace)	Local	relief (concave, convex, none)	: none	Slope (%	%):<3%
As a climate / hydrologic conditions on the side systed for file time of year?	Subregion (LRR):	Northwest Forests and Coas	t (LRR A))	Lat: 47.304432	Lo	ng:122.304019	D	atum: <u>N</u>	NAD 1983
Are Vegetation	,	, ,,						-	
According to the Photology	•	•		•					•
SumMARY OF FINDINGS — Attach site map showing sampling point total results, important features, etc.	•						•		<u>x</u> No
Hydroits Vargetation Present? Yes	_	<u> </u>			·	•			
Is the Sampled Area within a Wetland? Yes No X within a Wetland hydrology must be present. Yes Yes Yes Provided wetland hydrology must be present? Yes			•		it locations	s, transects, importa	ant reatures, e	HC.	
Wetland Pytorlogy Present? Yes No X within a Wetland? Yes No X	' ' ' '				Is the Samo	oled Area			
Proceinations Proceination					-	Alam dO	Na	. v	
According to the SeatleT recome International NOAA weather station, precipitation was above the normal range for the three months growth or wists within becember. The month of November was drief than normal, and December was wetter than normal. Remarks: Upland SP for WFW-10 Unit A. located west of East Fork Hylebos Creek. VEGETATION Tree Stratum (Plot size: (25m) % Cover Spacies Status 10 April Acer circinatum 10 April Acer circinatum 11 Acer circinatum 12 Acer Circinatum 13 Acer Circinatum 14 Acer Circinatum 15 Yes FACU 15 Acer Circinatum 15 Yes FACU 16 Acer Circinatum 16 Acer Circinatum 17 Acer Circinatum 18 Acer Circinatum 19 Acer Circinatum 19 Acer Circinatum 10 Acer Circinatum 10 Acer Circinatum 10 Acer Circinatum 11 Acer Circinatum 12 Acer Circinatum 15 Yes FACU 16 Acer Circinatum 17 Acer Circinatum 18 Acer Circinatum 19 Acer Circinatum 19 Acer Circinatum 10 Acer Circinatum 11 Acer Circinatum 12 Acer Circinatum 13 Acer Circinatum 14 Acer Circinatum 15 Yes FACU 16 Acer Circinatum 16 Acer Circinatum 17 Acer Circinatum 18 Acer Circinatum 19 Acer Circinatum 19 Acer Circinatum 10 Acer Circinatum 11 Acer Circinatum 12 Acer Circinatum 13 Acer Circinatum 14 Acer Circinatum 15 Acer Circinatum 16 Acer Circinatum 17 Acer Circinatum 18 Acer Circinatum 19 Acer Circinatum 19 Acer	•	gy Present?	res	NO X	1	res	NC	<u>`</u>	
the normal range for visits within December. The month of November was drier than normal. And December was wetter than normal. Remarks: Upland SP for WFW-10 Unit A. located west of East Fork Hylebos Creek. VEGETATION VEGETATION Absolute Dominant Indicator Status Number of Dominant Species 1. Acer civinatum (Plot size: (Edm) % Creek Section 2 Status Number of Dominant Species 3. (A) Total Number of Dominant Species 4. (B) Sapling/Shrub Stratum (Plot size: (Edm) 40% Yes FAC That Are OBL, FACW, or FAC: 3 (A) 2. John Acer civinatum (Plot size: (Edm) 15% Yes FAC That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B) Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B Percent of Dominant Species 1 That Are OBL, FACW, or FAC: 50% (A)B	•	Coattle Tanama International NO	A A waathar statio	nrocinitation was ab	ava tha narma	I range for the three month	an prior to the site	vioito in Novem	shor and within
VEGETATION	_					•	•	visits in novem	iber and within
VEGETATION	Remarks:								
Absolute Dominant Indicator Status Number of Dominant Number	Upland SP for WI	FW-10 Unit A. located west of Ea	ast Fork Hylebos C	reek.					
Absolute Dominant Indicator Status Number of Dominant Number									
Absolute Dominant Indicator Status Number of Dominant Number									
Number of Dominant Species	VEGETATION	N							
1. Acer circinatum			Absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
2	Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant S	Species		
Total Number of Dominant Species Across All Strata: 6 (B)	1. Acer circinate	um	40%	Yes	FAC	That Are OBL, FACW	, or FAC:	3	(A)
A	2.								_
Sapling Shrub Stratum	3.					Total Number of Domi	nant		
Percent of Dominant Species FAC Prevalence Index = BIA = FAC F	4.					Species Across All Str	rata:	6	(B)
Acer circinatum			40%	= Total Cover					
Prevalence Index worksheet: Total % Cover of: Multiply by: Total % Cover of: Total % Cover of: Multiply by: Total % Cover of: Total % Cover	Sapling/Shrub S	tratum (Plot size: r=2m)				Percent of Dominant S	Species		
3.	1. Acer circinate	um	20%	Yes	FAC	That Are OBL, FACW	, or FAC:	<u>50%</u>	(A/B)
A.	2. Phalaris arur	ndinacea	15%	Yes	FACW	Prevalence Index wo	rksheet:		
FACW species x 2 = FACW species x 3 = FACW species x 3 = FACW species x 4 = X 5	3. <u>Ilex aquifoliu</u>	m	15%	Yes	FACU	Total % Cover of	: Multiply b	<u>.Y.</u>	
Herb Stratum	4					OBL species	x 1 =		
Herb Stratum (Plot size: r=1m) 1. Polystichum munitum 15% Yes FACU 2. Column Totals: (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1. Rapid Test for Hydrophytic Vegetation 6. 2. Dominance Test is >50% 7. 3. Prevalence Index is ≤3.0¹ 8. 9. 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 15% = Total Cover Woody Vine Stratum (Plot size: r=2m) 1. Hedera helix 90% Yes FACU Woody Vine Stratum (Plot size: r=2m) 1. Hedera helix 90% Yes FACU Woody Vine Stratum 85% Present? FACU Species x 4 = UPL species x 4 = UPL species x 5 = Column Totals: (A) (B) Prevalence Index = S/A = Hydrophytic Vegetation Indicators: 1. Rapid Test for Hydrophytic Vegetation 2. Dominance Test is >50% 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5. Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 1. Hedera helix 90% Yes FACU Hydrophytic Vegetation Yes No X Present?	5.					FACW species	x 2 =		
1. Polystichum munitum 15% Yes FACU 2. Column Totals: (A) (B) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 6. 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ 11. Hedera helix 90% Yes FACU 2. Hydrophytic Vegetation Tyes No X Present? Remarks:			50%	= Total Cover			x 3 =		
2.	Herb Stratum	(Plot size: <u>r=1m)</u>							
3.		munitum	15%	Yes	FACU		x 5 =		
4.	-								(B)
5.	3.								
6.	4								
7	-					<u> </u>	, , , ,	etation	
8									
9. data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants 1 Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soil and wetland hydrology must be present. 1 Hedera helix 90% Yes FACU 1 Hydrophytic Vegetation (Explain) 1 Hydrophytic Vegetation Yes No X Present? Remarks:									
10	-								g
11								e sneet)	
Total Cover Stratum (Plot size: r=2m) 15% = Total Cover 1 Indicators of hydric soil and wetland hydrology must be present. 1								a (Evalaia) ¹	
Woody Vine Stratum (Plot size: r=2m) be present. 1. Hedera helix 90% Yes FACU 2. Hydrophytic % Bare Ground in Herb Stratum 85% Present?	'''-		450/				. , .		
1 _ <u>Hedera helix</u> 90% Yes FACU 2.	Woody Vine Stra	etum (Plot size: <u>r=2m)</u>	15%	= Total Cover		-	oii and welland nyd	irology must	
90% = Total Cover Wegetation Yes No χ Present? Remarks:	-		90%	<u>Yes</u>	FACU	bo procent.			
% Bare Ground in Herb Stratum 85% Present?	2					Hydrophytic			
Remarks:			90%	= Total Cover		~	Yes	_Nox	_
	% Bare Ground	in Herb Stratum 85%				Present?			
leaf litter covering ground	Remarks:					<u> </u>			
Total Mar Governing ground	leaf litter covering	ground							

Parametrix

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SOIL					Sampling Point:	WFW-10-SP04		
	on (Describe to the de	oth needed to document th	ne indicator or confirm the absen	ce of indicators):	Sampling Fornt.	WI W-10-51 04		
Depth	Matrix		Redox Features					
(inches)	Color (moist)	% Color (moist)	_ 1	Loc ²	Texture	Remarks		
0-7		100			L	Remarks		
	10YR 3/3					mived metric		
7-17	10YR 4/6	80 20			GrL	mixed matrix		
	10YR 4/3	20						
								
								
	•			ocation: PL=Pore Linir				
	·		ifier: co = coarse; f = fine; vf = very					
Hydric Soil Indica	ators (Applicable to all	LRRs, unless otherwise n	oted):	Indicators for Prob	olematic Hydric Soils ³ :			
Histosol (A1)		Sandy Redox	(S5)	2 cm Muck (A1	0)			
Histic Epipedo	on (A2)	Stripped Matr	ix (S6)	Red Parent Ma	aterial (TF2)			
Black Histic (A	4 3)	Loamy Mucky	Mineral (F1) (except MLRA 1)	Very Shallow [Dark Surface (TF12)			
Hydrogen Sul	fide (A4)	Loamy Gleye	d Matrix (F2)	Other (Explain	in Remarks)			
Depleted Belo	ow Dark Surface (A11)	Depleted Mat	rix (F3)					
Thick Dark Su	ırface (A12)	Redox Dark S	Surface (F6)	2				
Sandy Mucky	Mineral (S1)	Depleted Dar	Surface (F7)	,	phytic vegetation and wetlan	d		
Sandy Gleyed		Redox Depre		hydrology must be present, unless disturbed or problematic.				
		<u> </u>	,	<u> </u>				
Restrictive Layer								
Туре	e: none			Hydric Soil				
Depth (inches):	n/a			Present?	Yes	No X		
Remarks:								
HYDROLOGY								
Wetland Hydrolog	gy Indicators:							
Primary Indicators	(minimum of one requir	ed; check all that apply)		Secondary Indicato	rs (2 or more required)			
Surface Water	r (A1)	Water-Staine	d Leaves (B9) (except MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,			
High Water Ta	,	 1, 2, 4A, ar	, , , ,	4A, and 4B)	,,,,			
Saturation (A3	, ,	Salt Crust (B	,	Drainage Patte				
Water Marks (ebrates (B13)		ater Table (C2)			
Sediment Dep			fide Odor (C1)		ble on Aerial Imagery (C9)			
Drift Deposits			cospheres along Living Roots (C3)	Geomorphic P	,			
	• •		Reduced Iron (C4)		, ,			
Algal Mat or C			, ,	Shallow Aquita				
Iron Deposits			eduction in Tilled Soils (C6)	FAC-Neutral T	• •			
Surface Soil C	` '		ressed Plants (D1) (LRR A)		unds (D6) (LRR A)			
	sible on Aerial Imagery (· — · ·	n in Remarks)	Frost-Heave H	ummocks (D7)			
Sparsely Vege	etated Concave Surface	(B8)						
Field Observation	ns:							
Surface Water Pre	esent? Yes	No x	Depth (inches):	Wetland				
Water Table Pres	ent? Yes	No x	Depth (inches):	Hydrology	Yes	No X		
Saturation Presen	nt? Yes	No x	Depth (inches):	Present?		·		
(includes capillary	rfringe)		· , <u> </u>					
Describe Record	led Data (stream gauge	e, monitoring well, aerial p	hotos, previous inspections), if a	vailable:				
Remarks:								

Project/Site:	OMFS and TDLE		City/County:	Federal Way	, King County	Sampling Da	ite:1	1/1/2019
Applicant/Owner:	Sound Transit				State: V	VA Sampli	ing Point:\	WFW-10-SP01
Investigator(s):	A. Hoenig, A. Thom			_	Section, Township, Range	e: T21	1N R04E S16	3
Landform (hillslop	e, terrace, etc.):	Hillslop	е	Local	relief (concave, convex, none): concave	Slope (%	%): None
Subregion (LRR)	: Northwest Forests and Coast	(LRR A))	Lat: 47.305663	_ Lo	ong:122.303589	Datu	ım: <u>N</u>	NAD 1983
•	ID-Hydric Rating): Alderwood gra		•	AgB	- Not Hydric	NWI classification:		none
•	Irologic conditions on the site typi				/esNo	X (If no, explain		•
Are Vegetation	, Soil , Soil	, or Hydrology	significantly dist	turbed?	Are "Normal Circumstance (If needed, explain any ans	•	Yes >	<u> </u>
Are Vegetation						•		
	OF FINDINGS – Attach si			nt location	s, transects, import	ant features, etc	<u>; </u>	
	getation Present?	Yes X	No	Is the Samp	nled Δrea			
Hydric Soil Pres		Yes X	No	within a We	stland?	V N		
Wetland Hydrolo	ogy Present?	YesX	No	1	Yes	X No_		
Precipitation:	Cantila Tanama International NO	A A		41	-		ita in Navana	
	Seattle Tacoma International NO for visits within December. The r				•	•	its in Novem	ber and within
Remarks:								
PFO wetland SP	in WFW-10, Unit B. Located wes	t of E. Fork Hylebo	s Creek Trib 0016A (l	eft bank).				
VEGETATIO	N							
		Absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	Status	Number of Dominant	Species		
1. Thuja plicata	1	70%	Yes	FAC	That Are OBL, FACW	, or FAC:	7	(A)
2. Populus bals	samifera	20%	Yes	FAC				
3. Alnus rubra		5%	No	FAC	Total Number of Domi	inant		
4					Species Across All Str	rata:	8	(B)
		95%	= Total Cover					
Sapling/Shrub S	Stratum (Plot size: r=2m)				Percent of Dominant S	Species		
1. Populus bals	samifera	10%	Yes	FAC	That Are OBL, FACW	, or FAC:	<u>88%</u>	(A/B)
2. Rubus spect	tabilis	10%	Yes	FAC	Prevalence Index wo			
3. Fraxinus lati	folia	5%	Yes	FACW	Total % Cover of			
4.					OBL species	x 1 =		
5					FACW species	x 2 =		
Hawk Streeture	(Dist =: r=1m)	25%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: r=1m)	4504	.,	540	FACU species	x 4 =		
Athyrium cyc Carex obnur		15%	Yes	FAC	UPL species Column Totals:	x 5 = (A)		(B)
2. Carex obnug 3.	ла	10%	Yes	OBL		(^) e Index = B/A =		(B)
4					Hydrophytic Vegetat			
5.					' ' ' '	r Hydrophytic Vegeta	tion	
6.					X 2 - Dominance To			
7.					3 - Prevalence In	dex is ≤3.0 ¹		
8.						I Adaptations ¹ (Provid	de supporting	3
9.						rks or on a separate s		•
10.					5 - Wetland Non-	Vascular Plants ¹		
11.					Problematic Hydi	rophytic Vegetation (E	Explain)¹	
		25%	= Total Cover		¹ Indicators of hydric so	oil and wetland hydro	logy must	
Woody Vine Str	atum (Plot size: r=1m)				be present.	•		
1. Hedera helix	(100%	Yes	FACU				
2					Hydrophytic	Vos V 1	lo.	
% Bare Ground	in Herb Stratum 75%	100%	= Total Cover		Vegetation Present?	Yes X	No	_
,, Dai o Giodila					i resent:			
Remarks:	b. Facilità i						·	
Ground covered	by English ivy, an aggressive, no	n-native species.						

Parametrix

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SOIL					Sampling Point	: WFW-10-SP01
	to the depth nee	ded to document the	indicator or confirm the abser	nce of indicators):	Sampling Form	. WFW-10-3F01
Depth	Matrix		Redox Features	,.		
(inches) Color (mois		Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-11 10YR 2/2					L	some OM
11-16 10YR 3/2					GrL	gravel
	·					
		_				
	<u> </u>					
¹ Type: C=Concentration, D=Dep	letion. RM=Redu	ced Matrix, CS=Cover	ed or Coated Sand Grains. ² L	ocation: PL=Pore Li	ining, M=Matrix.	
			er: co = coarse; f = fine; vf = very		-	
Hydric Soil Indicators (Applica	· ·				roblematic Hydric Soils ³ :	
Histosol (A1)	,	Sandy Redox (S	•	2 cm Muck (_	
Histic Epipedon (A2)		Stripped Matrix	, and the second		Material (TF2)	
Black Histic (A3)			lineral (F1) (except MLRA 1)		w Dark Surface (TF12)	
Hydrogen Sulfide (A4)		Loamy Gleyed	, , , , , , ,	X Other (Expla	, ,	
Depleted Below Dark Surface	e (A11)	Depleted Matrix	• •	<u></u>	am m romano,	
Thick Dark Surface (A12)	,	Redox Dark Su				
Sandy Mucky Mineral (S1)		Depleted Dark	, ,	•	drophytic vegetation and wetl be present, unless disturbed o	
Sandy Gleyed Matrix (S4)		Redox Depress	ions (F8)	problematic.	e present, uniess disturbed t	וכ
Restrictive Layer (if present):		<u> </u>		·		
ļ <u>-</u>				Hydric Soil		
				Present?	Yes X	No
Depth (inches): n/a				i resent.	<u> </u>	
Remarks:						
SP located within the floodplain of	or a stream. Stron	g nydropnytic vegetati	on and wetland nydrology suppo	rt determination of we	etiand area. Fluviai entisoi w	ith aquic moisture regime.
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of o		ck all that apply)		Secondary Indica	ators (2 or more required)	
Surface Water (A1)			– ∟eaves (B9) (except MLRA	•	ed Leaves (B9) (MLRA 1, 2,	
X High Water Table (A2)		1, 2, 4A, and		4A, and 4	. , .	
X Saturation (A3)		Salt Crust (B11	,		atterns (B10)	
Water Marks (B1)		Aquatic Invertel			Water Table (C2)	
Sediment Deposits (B2)		Hydrogen Sulfic	, ,		isible on Aerial Imagery (C9)
Drift Deposits (B3)			spheres along Living Roots (C3)	x Geomorphic	• • •	,
Algal Mat or Crust (B4)		Presence of Re		Shallow Aqu		
Iron Deposits (B5)			duction in Tilled Soils (C6)	x FAC-Neutra	, ,	
Surface Soil Cracks (B6)			ssed Plants (D1) (LRR A)		Mounds (D6) (LRR A)	
Inundation Visible on Aerial	Imagery (B7)	Other (Explain i			Hummocks (D7)	
Sparsely Vegetated Concav	0 , (,		,		(= :)	
Field Observations:						
	V	N	Donath Corolina)	387-411		
Surface Water Present?	Yes	Nox	Depth (inches):	Wetland	V V	M-
Water Table Present?	Yes x	No	Depth (inches): 4	Hydrology	Yes X	No
Saturation Present? (includes capillary fringe)	Yes x	No	Depth (inches): surface	Present?		
(aaaa aapiilai ji iiligo)						
Describe Recorded Data (stre	am gauge, monit	toring well, aerial pho	otos, previous inspections), if a	available:		
Remarks:						
l .						

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Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date:	11/1/2	2019
Applicant/Owner:			_ ′ ′		State: WA	· · · · · · -	oint: WFW	
Investigator(s):	A. Hoenig, A. Thom				Section, Township, Range:	T21N R	04E S16	
Landform (hillslope	e, terrace, etc.):	hillslope		 Local r	elief (concave, convex, none):	none	Slope (%):	<3%
Subregion (LRR):	: Northwest Forests and Coast	(LRR A)) L	at: 47.305642	Lor	ng:122.303664	Datum:	NAD 1	1983
Soil Unit (Name-I	D-Hydric Rating): Alderwood g	avelly sandy loam, (to 8 % slopes -	AgB	- Not Hydric NWI	classification:	none	
Are climatic / hyd	rologic conditions on the site typic	cal for this time of ye	ar?	Y	es No x	(If no, explain in	Remarks)	
Are Vegetation	, Soil				re "Normal Circumstances" pre		res <u>x</u> N	lo
Are Vegetation	, Soil				f needed, explain any answers	*		
	F FINDINGS – Attach sit		sampling poi	nt locations	s, transects, important	features, etc.		
Hydrophytic Veg			No	lo the Comm	lad Araa			
Hydric Soil Prese			No <u>X</u>	Is the Sample within a Wet	llam dO			
Wetland Hydrolo	gy Present?	Yes	No <u>X</u>	within a wei	Yes	NoX	<u> </u>	
Precipitation:								
	Seattle Tacoma International NO/ for visits within December. The n		•			or to the site visits in	November a	and within
Remarks:	TOT VIOLE WILLIAM DESCRIBED. THE II	ionar or recomber t	ac and than nom	iai, ana Booomik	or was wotter than normal.			
Upland SP for Wi	FW-10, Unit B. Located upslope (west) of SP1 and E.	Fork Hylebos Cree	ek Trib 0016A.				
VEGETATION	V							
		Absolute	Dominant	Indicator	Dominance Test worksho	et:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	Status	Number of Dominant Spec	ies		
1. Thuja plicata		80%	Yes	FAC	That Are OBL, FACW, or F	AC:	3 (A	A)
2. Alnus rubra		20%	Yes	FAC				
3.					Total Number of Dominant			
4.					Species Across All Strata:		5 (E	3)
-		100% =	Total Cover					
Sapling/Shrub S	tratum (Plot size: r=2m)				Percent of Dominant Speci	es		
1. Rubus spect	abilis	40%	Yes	FAC	That Are OBL, FACW, or F	AC:	<u>60%</u> (A	4/B)
2. Mahonia ner	vosa	3%	No	FACU	Prevalence Index worksh	eet:		
3.					Total % Cover of:	Multiply by:		
4					OBL species	x 1 =		
5					FACW species	x 2 =		
		43% =	Total Cover		FAC species	x 3 =		_
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
1. Polystichum	munitum	50%	Yes	FACU	UPL species	x 5 =		_
2.					Column Totals:	(A)		(B)
3.					Prevalence Ind			
4.					Hydrophytic Vegetation I			
5.					1 - Rapid Test for Hyd			
6.					X 2 - Dominance Test is			
7.					3 - Prevalence Index i			
8.					4 - Morphological Ada		•	
9. 10.					5 - Wetland Non-Vaso	on a separate sheet	٠)	
11.					Problematic Hydrophy		nin\1	
			Fotal Cover		¹ Indicators of hydric soil an		•	
Woody Vine Stra	atum (Plot size: <u>r=1m)</u>	50% =	lotal Cover		be present.	d wetland hydrology	must	
Hedera helix	<u></u>	60%	Yes	FACU	55 p. 555/10.			
2.					Hydrophytic			
a, n =		60% =	Total Cover			res X No		
% Bare Ground	in Herb Stratum 50%				Present?			
Remarks:					l			

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SOIL						Sampling Point:	WFW-10-SP02
	(Describe to the o	lepth needed	I to document th	ne indicator or confirm the a	bsence of indicators):	Cumping Forns	*** ** 10 01 02
Depth	Matrix			Redox Features	·····,		
(inches)	Color (moist)	%	Color (moist)		Loc ²	Texture	Remarks
0-6	10YR 2/2	100					
6-15	10YR 3/2	80			<u> </u>		mixed matrix
6-15	10YR 3/6	20			_		
,					<u> </u>		
¹ Type: C=Concentra	ation. D=Depletion.	RM=Reduced	I Matrix, CS=Cov	ered or Coated Sand Grains.	² Location: PL=Pore I	_ining. M=Matrix.	
	•			ifier: co = coarse; f = fine; vf =		-	
Hydric Soil Indicate	_					Problematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox	•	2 cm Muck	•	
Histic Epipedon	(A2)	_	Stripped Matr	` ,		t Material (TF2)	
Black Histic (A3		_		Mineral (F1) (except MLRA 1		ow Dark Surface (TF12)	
Hydrogen Sulfid		_	Loamy Gleye		 -	lain in Remarks)	
	Dark Surface (A11	_	Depleted Mat			iam m riomamo,	
Thick Dark Surfa	· ·	_	Redox Dark S	• •			
Sandy Mucky M	, ,	_		< Surface (F7)	,	drophytic vegetation and wetla be present, unless disturbed or	
Sandy Gleyed N		_	Redox Depre	, ,	problematic	be present, unless disturbed of	
Restrictive Layer (i	f present):		<u> </u>		<u> </u>		
Type:					Hydric Soil		
Depth (inches):					Present?	Yes	No X
Depart (mones).	n/a				Tresent.		<u> </u>
HYDROLOGY							
Wetland Hydrology	Indicators:						
Primary Indicators (r	minimum of one req	uired: check a	ill that apply)	<u></u>	Secondary India	cators (2 or more required)	
Surface Water (A1)		Water-Stained	d Leaves (B9) (except MLRA	Water-Stai	ned Leaves (B9) (MLRA 1, 2,	
High Water Tab	,	_	— 1, 2, 4A, ar	* * * *	4A, and	. , .	
Saturation (A3)	, ,		Salt Crust (B1	1)	Drainage F	Patterns (B10)	
Water Marks (B	1)	_	Aquatic Invert	ebrates (B13)	Dry-Seaso	n Water Table (C2)	
Sediment Depos	sits (B2)	_	 Hydrogen Sul	fide Odor (C1)	Saturation	Visible on Aerial Imagery (C9)	
Drift Deposits (E	33)		Oxidized Rhiz	ospheres along Living Roots	C3) Geomorph	ic Position (D2)	
Algal Mat or Cru	ust (B4)	_	Presence of F	Reduced Iron (C4)	Shallow Ad	quitard (D3)	
Iron Deposits (B	35)	_	Recent Iron R	eduction in Tilled Soils (C6)	FAC-Neutr	al Test (D5)	
Surface Soil Cra	acks (B6)	_	Stunted or Str	ressed Plants (D1) (LRR A)	Raised Ant	Mounds (D6) (LRR A)	
Inundation Visib	le on Aerial Imager	y (B7)	Other (Explain	n in Remarks)	Frost-Heav	ve Hummocks (D7)	
Sparsely Vegeta	ated Concave Surfa	ce (B8)					
Field Observations	:						
Surface Water Pres	ent? Yes	1	No x	Depth (inches):	Wetland		
Water Table Preser			No x	Depth (inches):		Yes	No X
Saturation Present?	·		No x	Depth (inches):	Present?		
(includes capillary fr	ringe)				_		
Describe Recorded	d Data (stream gau	ge, monitori	ng well, aerial p	hotos, previous inspections), if available:		
<u></u>							
Remarks:							

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Project/Site:	OMFS and TDLE		City/County:	Federal Way,	, King County	Sampling Da	ate: 1	2/3/2019
Applicant/Owner:	Sound Transit				State: W/			WFW-10-SP05
Investigator(s):	T. Parry, A. Thom				Section, Township, Range:		1N R04E S16	;
Landform (hillslope	e, terrace, etc.):	terrace)	Local r	relief (concave, convex, none):	none	Slope (%	%):<3%
Subregion (LRR)	: Northwest Forests and Coas	st (LRR A))	Lat: 47.304213	_ Lo	ng: -122.303748	Date	um: <u>N</u>	IAD 1983
Soil Unit (Name-I	D-Hydric Rating): Alderwood	gravelly sandy loar	n, 0 to 8 % slopes -	AgB	- Not Hydric N	IWI classification:	R4	4SBC
Are climatic / hyd	rologic conditions on the site typ		•		es X No		ain in Remark	s)
Are Vegetation	, Soil				Are "Normal Circumstances"	•	Yes X	<u> No</u>
Are Vegetation	, Soil				If needed, explain any answ	•		
	F FINDINGS – Attach s	•	ng sampling poi	nt locations	s, transects, importai	nt features, etc	<u>). </u>	
Hydrophytic Veg		YesX	No	Is the Samp	lad Araa			
Hydric Soil Prese		Yes X	No	within a We	tland?			
Wetland Hydrolo	gy Present?	Yes X	No	within a vve	Yes	X No_		
Precipitation:	O	244					elle le Nicono	harana da Mista
-	Seattle Tacoma International NO for visits within December. The				•	•	its in Novemi	ber and within
Remarks:								
PFO wetland SP	located within WFW-10, Unit B.	SP located west of	E. Fork Hylebos Cree	ek Trib 0016A.	Creek on parcel is channeliz	zed with concrete a	rmoring.	
VEGETATIO	V							
		Absolute	Dominant	Indicator	Dominance Test works	sheet:		
Tree Stratum	(Plot size: r=3m)	% Cover	Species?	Status	Number of Dominant Sp	oecies		
1. Alnus rubra		40%	Yes	FAC	That Are OBL, FACW, o	or FAC:	3	(A)
2.								
3.					Total Number of Domina	ant		
4.		<u> </u>			Species Across All Stra	ta:	3	(B)
		40%	= Total Cover					
Sapling/Shrub S	tratum (Plot size: r=2m)				Percent of Dominant Sp	oecies		
1. Rubus spect	abilis	45%	Yes	FAC	That Are OBL, FACW, o	or FAC:	<u>100%</u>	(A/B)
2. Rubus armei	niacus	35%	Yes	FAC	Prevalence Index work			
3.					Total % Cover of:	Multiply by:		
4					OBL species	x 1 =		
5					FACW species	x 2 =		
		80%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
1. <u>none</u>					UPL species	x 5 =		
2.					Column Totals:	(A)		(B)
3.		<u> </u>				Index = B/A =		
5.					Hydrophytic Vegetation 1 - Rapid Test for H		ation	
6.					X 2 - Dominance Tes		ILIOIT	
7.					3 - Prevalence Inde			
8.					4 - Morphological A		de supportinc	,
9.						s or on a separate		j
10.					5 - Wetland Non-V	•	Silect)	
11.					Problematic Hydro		Explain) ¹	
			= Total Cover		¹ Indicators of hydric soil	. , , ,	' '	
Woody Vine Stra	atum (Plot size: <u>r=2m)</u>		Total Gover		be present.	ana wallana nyan	nogy maor	
1. <u>none</u>					·			
2					Hydrophytic			
% Pare Crown	in Harb Stratum 1000/	0%	= Total Cover		Vegetation	Yes X	No	_
% Bare Ground	in Herb Stratum100%				Present?			
Remarks:								
ground covered b	by leaf litter							

Parametrix

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SOIL							Sampling Point:	WFW-10-SP05
	n (Describe to th	e depth need	ded to document the	indicator or co	onfirm the abser	nce of indicators):	Sampling Point.	WFW-10-3F03
Depth	•	-	aca to accument the		Features	ioc or maioatoroj.		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/2	100	COIOI (IIIOISI)				L	Remarks
3-11	10YR 3/2	95	10YR 4/6	5			GrL	
11-17	10YR 3/6	95	7.5YR 5/8	5		M	GrL	
11-17	10111 3/0		7.511(5/6			IVI		
				-				
,		-	-					
,		_	 -					
1T C-Caraanti		- DM-Dadii	and Matrix, CC=Cause		and Cusins 2	anation: DI -Dave Li	ining M-Makely	
	•		ced Matrix, CS=Cover			Location: PL=Pore Li	ming, w=watnx. e clay); - = light (less clay)	
			unless otherwise not		i – iiile, vi – very			
_	lors (Applicable I	o ali errs, i		•			roblematic Hydric Soils ³ :	
Histosol (A1)	(1.0)		Sandy Redox (S	*		2 cm Muck (,	
Histic Epipedor	` '		Stripped Matrix	` '			Material (TF2)	
Black Histic (A	·		Loamy Mucky M		cept MLRA 1)		w Dark Surface (TF12)	
Hydrogen Sulfi	` '	4.43	Loamy Gleyed I			Other (Expla	ain in Remarks)	
	v Dark Surface (A	11)	Depleted Matrix					
Thick Dark Sur	, ,		x Redox Dark Sur	` ,		³ Indicators of hyd	drophytic vegetation and wetlar	d
Sandy Mucky N			Depleted Dark S	, ,			e present, unless disturbed or	
Sandy Gleyed	iviatrix (54)		Redox Depress	ions (Fo)		problematic.		
Restrictive Layer (if present):							
Туре	none				Hydric Soil			
Depth (inches):	n/a	_				Present?	Yes X	No
Remarks:								
HYDROLOGY								
Wetland Hydrolog	y Indicators:							
Primary Indicators (minimum of one r	equired: chec	k all that apply)	_		Secondary Indica	ators (2 or more required)	
Surface Water	(A1)		Water-Stained L	eaves (B9) (exc	cept MLRA	Water-Stain	ed Leaves (B9) (MLRA 1, 2,	
High Water Tal	ble (A2)		1, 2, 4A, and	4B)	·	4A, and 4	HB)	
X Saturation (A3))		Salt Crust (B11)	,)		Drainage Pa	atterns (B10)	
Water Marks (E	31)		Aquatic Inverteb	orates (B13)		Dry-Season	Water Table (C2)	
Sediment Depo	osits (B2)		Hydrogen Sulfid	le Odor (C1)		Saturation V	/isible on Aerial Imagery (C9)	
Drift Deposits (B3)		Oxidized Rhizos	spheres along L	iving Roots (C3)	x Geomorphic	Position (D2)	
Algal Mat or Cr	rust (B4)		Presence of Re	duced Iron (C4)		Shallow Aqu	uitard (D3)	
Iron Deposits (B5)		Recent Iron Rec	duction in Tilled	Soils (C6)	FAC-Neutra	l Test (D5)	
Surface Soil Cr	acks (B6)		Stunted or Stres	sed Plants (D1)) (LRR A)	Raised Ant	Mounds (D6) (LRR A)	
Inundation Visi	ble on Aerial Imag	ery (B7)	Other (Explain i	n Remarks)		Frost-Heave	Hummocks (D7)	
Sparsely Veget	tated Concave Su	rface (B8)						
Field Observations	s:							
Surface Water Pre		s	No x	Depth (inche	s)·	Wetland		
Water Table Prese			No	Depth (inche		Hydrology	Yes X	No
Saturation Present			No No	Depth (inche	· -	Present?	. 30	
(includes capillary			-	F (,			
Describe Recorde	ed Data (stream g	auge, monit	oring well, aerial pho	otos, previous i	nspections), if a	available:		
Pomoriso:								
Remarks:								

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Project/Site:	OMFS and TDLE		City/County:	Federal Way,	Kina County	Sampling Date	e: 1	2/3/2019
Applicant/Owner:			, ,		State: WA			VFW-10-SP06
Investigator(s):	T. Parry, A. Thom				Section, Township, Range:	 T21N	N R04E S16	
Landform (hillslop	e, terrace, etc.):	hillslope		_ Local r	elief (concave, convex, none):	none	Slope (%	5): <3%
Subregion (LRR)	: Northwest Forests and Coast	(LRR A)) L	at: 47.304181	 Lo	ng: -122.303611	Datum	n: N	AD 1983
Soil Unit (Name-I	D-Hydric Rating): Alderwood	gravelly sandy loam,	0 to 8 % slopes -	_ AgB	- Not Hydric NV	VI classification:	n	one
Are climatic / hyd	rologic conditions on the site typi	cal for this time of yea	ar?	Y	es x No	(If no, explain	in Remarks	s)
Are Vegetation	, Soil				re "Normal Circumstances" p	resent?	Yes x	No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (I	f needed, explain any answe	rs in Remarks.)		
SUMMARY C	F FINDINGS – Attach si	te map showing	sampling poi	nt locations	s, transects, important	t features, etc.		
Hydrophytic Veg	etation Present?	YesX	No					
Hydric Soil Pres	ent?	Yes	No <u>X</u>	Is the Samp				
Wetland Hydrold	gy Present?	Yes	No <u>X</u>	within a We	tland? Yes	No	Х	
Precipitation:								
-	Seattle Tacoma International NO		•			prior to the site visits	s in Novemb	per and within
Remarks:	for visits within December. The r	nonth of November w	as oner man norm	iai, and Decemi	per was weller than normal.			
	FW-10, Unit B. Located upslope	of wetland, west of E.	Fork Hylebos Cree	ek Trib 0016A				
opiana or nor rr	TT TO, OTHER ET EGGGGGG apolopo	or moderna, moor or E.	Tom Hyloboo oro	OK 1110 00 1071				
VEGETATIO	N							
VEGETATION	<u> </u>	Absolute	Dominant	Indicator	Dominance Test worksh	neet:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	Status	Number of Dominant Spe			
1. none	(1 lot 5/20	<u>70 00401</u>	<u>Opcoles:</u>	<u>Otatas</u>	That Are OBL, FACW, or		2	(A)
2. <i>Hone</i>					That Are OBL, FACW, or			(A)
3.					Total Number of Dominar	nt.		
4.					Species Across All Strata		2	(B)
		0% = 7	otal Cover		Opeoles Across All Otrata	·		_(5)
Sapling/Shrub S	Stratum (Plot size: <u>r=2m)</u>		otal cover		Percent of Dominant Spe	cies		
1. Rubus arme		80%	Yes	FAC	That Are OBL, FACW, or		<u>100%</u>	(A/B)
2. Rubus spect		20%	Yes	FAC	Prevalence Index works			(A/D)
3.	ubino		103	1710	Total % Cover of:	Multiply by:		
4.					OBL species	x 1 =		
5.		<u> </u>			FACW species	x 2 =		
-		100% = 7	otal Cover		FAC species	x 3 =	-	
Herb Stratum	(Plot size: r=1m)				FACU species	x 4 =		
1. none	,				UPL species	x 5 =		
2.					Column Totals:	(A)		(B)
3.					Prevalence In			``´
4.					Hydrophytic Vegetation	Indicators:	-	
5.					1 - Rapid Test for Hy	drophytic Vegetation	on	
6.					X 2 - Dominance Test	is >50%		
7.					3 - Prevalence Index	(is ≤3.0 ¹		
8.					4 - Morphological Ad	laptations ¹ (Provide	supporting	ı
9.					data in Remarks	or on a separate sh	neet)	
10.					5 - Wetland Non-Vas	scular Plants ¹		
11.					Problematic Hydroph	nytic Vegetation (Ex	xplain) ¹	
		0% = 7	otal Cover		¹ Indicators of hydric soil a	and wetland hydrold	ogy must	
Woody Vine Str	atum (Plot size: <u>r=2m)</u>				be present.			
1. <u>none</u>								
2					Hydrophytic	Vac V N-		
% Bare Ground	in Herb Stratum 100%	= 7	otal Cover		Vegetation Present?	Yes X No	' ——	_
,, Daie Ground	100%				i resent:			
Remarks:							_	

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SOIL							Sampling Point:	WFW-10-SF	DUE.
Profile Description (Describe to the o	lepth neede	d to document the	indicator or co	onfirm the abser	nce of indicators):	Sampling Foliit.	WF W-10-3F	-00
Depth	Matrix				r Features	,			
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	2
0-5	10YR 3/2	100	<u> Coloi (molet)</u>				L	rtomano	<u> </u>
5-16	10YR 3/2	98	10YR 4/6	2	C	M	GrL		
¹ Type: C=Concentration	on, D=Depletion,	RM=Reduce	d Matrix, CS=Cover	ed or Coated Sa	and Grains. ² L	_ocation: PL=Pore L	ining, M=Matrix.		
							re clay); - = light (less clay)		
Hydric Soil Indicators					<u> </u>		roblematic Hydric Soils ³ :		
Histosol (A1)			Sandy Redox (S	•		2 cm Muck	•		
Histic Epipedon (A	A2)	-	Stripped Matrix	*			Material (TF2)		
Black Histic (A3)	/	-	Loamy Mucky M	` '	cept MLRA 1)		w Dark Surface (TF12)		
Hydrogen Sulfide	(A4)	-	Loamy Gleyed I				ain in Remarks)		
Depleted Below D		_)	Depleted Matrix			` .	,		
Thick Dark Surfac	e (A12)	_	Redox Dark Sur			3			
Sandy Mucky Min	eral (S1)	-	Depleted Dark S	Surface (F7)		•	drophytic vegetation and wetla be present, unless disturbed o		
Sandy Gleyed Ma	trix (S4)	_	Redox Depress	ions (F8)		problematic.	o procent, amose dictarbed e		
Restrictive Layer (if p	oresent):								
Type:	none					Hydric Soil			
Depth (inches):	n/a					Present?	Yes	No X	
Remarks:									
HYDROLOGY									
Wetland Hydrology In	ndicators:								
Primary Indicators (min	nimum of one req	uired: check	all that apply)	_		Secondary Indica	ators (2 or more required)		
Surface Water (A	1)		Water-Stained L	eaves (B9) (exc	cept MLRA	Water-Stain	ed Leaves (B9) (MLRA 1, 2,		
High Water Table	(A2)	-	 1, 2, 4A, and	4B)		4A, and 4	IB)		
Saturation (A3)			Salt Crust (B11)			Drainage Pa	atterns (B10)		
Water Marks (B1)		-	Aquatic Inverteb	orates (B13)		Dry-Season	Water Table (C2)		
Sediment Deposit	s (B2)	_	Hydrogen Sulfid	le Odor (C1)		Saturation \	/isible on Aerial Imagery (C9)		
Drift Deposits (B3))	_	Oxidized Rhizos	spheres along L	iving Roots (C3)	Geomorphic	Position (D2)		
Algal Mat or Crust	t (B4)		Presence of Re	duced Iron (C4)		Shallow Aqı	uitard (D3)		
Iron Deposits (B5))	_	Recent Iron Rec	duction in Tilled	Soils (C6)	FAC-Neutra	Il Test (D5)		
Surface Soil Cracl	ks (B6)		Stunted or Stres	ssed Plants (D1)) (LRR A)	Raised Ant	Mounds (D6) (LRR A)		
Inundation Visible	on Aerial Imager	y (B7)	Other (Explain i	n Remarks)		Frost-Heave	e Hummocks (D7)		
Sparsely Vegetate	ed Concave Surfa	ce (B8)							
Field Observations:									
Surface Water Preser	nt? Yes		No x	Depth (inche	s):	Wetland			
Water Table Present?			No x		s):	Hydrology	Yes	No X	
Saturation Present?	_		No x	Depth (inche		Present?			
(includes capillary frin									
					40				
Describe Recorded I	Data (stream gau	ge, monitor	ring well, aerial pho	otos, previous i	inspections), if a	available:			
Remarks:									

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Project/Site:	OMFS and TDLE		City/County:	Federal Way,	Kina County	Sampling Da	ate: 12	2/3/2019
Applicant/Owner:			_	,		_		VFW-10-SP07
Investigator(s):	T. Parry, A. Thom				Section, Township, Range	: T2	1N R04E S16	
Landform (hillslope	e, terrace, etc.):	flat bench		 Local r	elief (concave, convex, none)	none	Slope (%): <3%
Subregion (LRR)	: Northwest Forests and Coast	(LRR A)) L	at: 47.303639	Loi	ng:122.303835	Datu	um: N	AD 1983
Soil Unit (Name-I	D-Hydric Rating): Alderwood	gravelly sandy loam,	0 to 8 % slopes	AgB	- Not Hydric	NWI classification:	no	one
•	rologic conditions on the site typic	cal for this time of yea	ır?	Y	es x No	(If no, expla	in in Remarks	s)
Are Vegetation	, Soil				re "Normal Circumstances	•	Yes x	No
Are Vegetation	, Soil	-			f needed, explain any ans	•		
	F FINDINGS – Attach si	te map showing	sampling poi	int locations	s, transects, importa	ant features, etc	C	
Hydrophytic Veg			No	la the Comm	lad Araa			
Hydric Soil Prese			No	Is the Samp	Hand?			
Wetland Hydrolo	gy Present?	Yes X 1	No	within a wei	Mand? Yes	X No_		
Precipitation:								
	Seattle Tacoma International NO. for visits within December. The n		•		•	•	sits in Novemb	per and within
Remarks:	Tot viole within Boombot. The h	nonar or revember w	ao anor man nom	iai, and Booomi	oor was worter train norms	•••		
PFO wetland SP	in WFW-10, Unit B. Located appr	ox. 3 m east of OHW	M of E. Fork Hyle	bos Creek Trib (0016A			
VEGETATIO	N							
		Absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant S	Species		
1. none					That Are OBL, FACW,	or FAC:	1	(A)
2.						_		
3.					Total Number of Domi	nant		
4.					Species Across All Str	ata:	1	(B)
		0%= T	otal Cover					
Sapling/Shrub S	tratum (Plot size: <u>r=2m)</u>				Percent of Dominant S	Species		
1. none		_			That Are OBL, FACW,	or FAC:	<u>100%</u>	(A/B)
2.					Prevalence Index wo			
3.					Total % Cover of:	Multiply by:		
4					OBL species	x 1 =		
5					FACW species	x 2 =		
		0% = T	otal Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
1. Phalaris arur		90%	Yes	FACW	UPL species	x 5 =		
2. Ranunculus	•		No	FAC	Column Totals:	(A)		(B)
3. Poa pratensi			No No	FAC		e Index = B/A =		
4. Galium aparı	ne	1%	No	FACU	Hydrophytic Vegetati		tion	
5.					X 2 - Dominance Te	· Hydrophytic Vegeta	ILIOTI	
6. 7.		-			3 - Prevalence In			
-								
8. 9.						Adaptations ¹ (Provi	•	
10.					5 - Wetland Non-	·	sileet)	
11.						vascular Flants ophytic Vegetation (Evolain) ¹	
· · · · — — — — — — — — — — — — — — — —		 100% = T	otal Cover		¹ Indicators of hydric so			
Woody Vine Stra	atum (Plot size: <u>r=2m)</u>	10076 - 1	otal Cover		be present.	on and wettand nyurc	nogy must	
1. none	,	_			p			
2.					Hydrophytic			
0/ D -: 0 :	to Hank Others	0% = T	otal Cover		Vegetation	Yes X	No	_
% Bare Ground	in Herb Stratum0%				Present?			
Remarks:					1			

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SOIL							Sam	pling Point:	WFW-10-SP07
Profile Description (D	escribe to the d	lepth need	ded to document the	indicator or co	onfirm the absen	ce of indicators):	Jan	ipinig Foliit.	WFW-10-3F07
Depth	Matrix				x Features	,			
	olor (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	Δ	Remarks
	10YR 3/2	100	<u> </u>				GrL		romano
	10YR 2/2	95	10YR 4/6	5	C		GrL		
							-		
							-		
	_								
	_								
	_								
¹ Type: C=Concentration	n D=Denletion I	PM=Pedu	and Matrix CS=Covere	ad or Coated St	and Grains ² I	.ocation: PL=Pore L	ining M=Matrix		
³ Texture: S = sand; Si =							-	(less clav)	
Hydric Soil Indicators	· · · · · · · · · · · · · · · · · · ·				1 11110, 11 1019	Indicators for P		•	
-	(Applicable to t	an Ertito, t		•			•	iic dolla .	
Histosol (A1)	2)		Sandy Redox (S	,		2 cm Muck			
Histic Epipedon (A2	2)		Stripped Matrix	` '	(141 DA 4)		Material (TF2)	(TE40)	
Black Histic (A3)	A 4)		Loamy Mucky M	` , , ,	cept MLRA 1)		w Dark Surface ((TF12)	
Hydrogen Sulfide (/			Loamy Gleyed N	` '		Other (Expl	ain in Remarks)		
Depleted Below Da)	Depleted Matrix						
Thick Dark Surface	` '		x Redox Dark Sur	. ,		³ Indicators of hyd			
Sandy Mucky Mine			Depleted Dark S	, ,		hydrology must b	e present, unles	s disturbed or	
Sandy Gleyed Matr	1x (54)		Redox Depressi	ons (F8)		problematic.			
Restrictive Layer (if pr	esent):								
Type:	none					Hydric Soil			
Depth (inches):	n/a					Present?	Yes	X	No
Remarks:					l.				
HYDROLOGY									
Wetland Hydrology Inc	dicators:								
Primary Indicators (mini	mum of one requ	uired; chec	k all that apply)	_		Secondary Indica	ators (2 or more	required)	
Surface Water (A1)	1		Water-Stained L	.eaves (B9) (ex	cept MLRA	Water-Stain	ed Leaves (B9)	(MLRA 1, 2,	
x High Water Table (A2)		1, 2, 4A, and	4B)		4A, and 4	IB)		
x Saturation (A3)			Salt Crust (B11)			Drainage Pa	atterns (B10)		
Water Marks (B1)			Aquatic Inverteb	rates (B13)		Dry-Season	Water Table (C	2)	
Sediment Deposits	(B2)		Hydrogen Sulfid	e Odor (C1)		Saturation \	/isible on Aerial	Imagery (C9)	
Drift Deposits (B3)			Oxidized Rhizos	pheres along L	iving Roots (C3)	Geomorphic	Position (D2)		
Algal Mat or Crust ((B4)		Presence of Rec	duced Iron (C4)		Shallow Aqı	uitard (D3)		
Iron Deposits (B5)			Recent Iron Red	luction in Tilled	Soils (C6)	x FAC-Neutra	l Test (D5)		
Surface Soil Cracks	s (B6)		Stunted or Stres	sed Plants (D1) (LRR A)	Raised Ant	Mounds (D6) (LF	RR A)	
Inundation Visible of	on Aerial Imagery	/ (B7)	Other (Explain in	n Remarks)		Frost-Heave	Hummocks (D7	7)	
Sparsely Vegetated	d Concave Surfa	ce (B8)		·			•		
Field Observations:									
Surface Water Present	2 Vas		No. v	Donth (incho	ve).	Wetland			
Water Table Present?	? Yes_ Yes		No x No	Depth (inche			Vos	v	No
Saturation Present?	_	X		Depth (inche		Hydrology Present?	Yes	<u> </u>	No
(includes capillary fring	Yes_ e)	Х	_ No	Depth (inche	·s)	Fresents			
	,								
Describe Recorded D	ata (stream gau	ge, monit	oring well, aerial pho	tos, previous	inspections), if a	available:			
Remarks:									
I									

Project/Site: Ol	MFS and TDLE		City/County:	Federal Way,	King County	Sampling Date: 12/3/2019
Applicant/Owner:	Sound Transit				State: WA	· · · · · · · · · · · · · · · · · · ·
Investigator(s):	T. Parry, A. Thom				Section, Township, Range:	T21N R04E S16
Landform (hillslope,	terrace, etc.):	flat stream be	nch	Local r	elief (concave, convex, none):	none Slope (%): <3%
Subregion (LRR):	Northwest Forests and Coas	t (LRR A))	Lat: 47.303661	Lor	ng:122.303870	Datum: NAD 1983
Soil Unit (Name-ID	-Hydric Rating): Alderwood	gravelly sandy loam,	0 to 8 % slopes -	AgB	- Not Hydric NV	WI classification: R4SBC
•	ologic conditions on the site typ	•			es x No No	(If no, explain in Remarks)
Are Vegetation	, Soil	, or Hydrology	significantly dis		re "Normal Circumstances" p	· — —
Are Vegetation	· · · · · · · · · · · · · · · · · · ·	, or Hydrology			f needed, explain any answe	,
	FINDINGS – Attach s			nt locations	s, transects, importan	t features, etc.
Hydrophytic Veget		Yes <u>X</u>	No	Is the Samp	led Area	
Hydric Soil Preser		Yes	No X	within a Wet	llam dO	No. V
Wetland Hydrolog	y Present?	Yes	No <u>X</u>	William & Wel	Yes	No <u>X</u>
Precipitation:	antila Tanama latamatianal NG	 		41		and the state of the collection of the state
•	eattie Tacoma International NC or visits within December. The					prior to the site visits in November and within
Remarks:				<u> </u>		
upland SP of WFW	/10, Unit B. Located approx. 6r	n east of E. Fork Hyle	ebos Creek (and 3m	n east of wetlan	d SP WFW10-SP5).	
VEGETATION						
		Absolute	Dominant	Indicator	Dominance Test works	heet:
Tree Stratum	(Plot size: r=3m)	% Cover	Species?	<u>Status</u>	Number of Dominant Spe	ecies
1. none					That Are OBL, FACW, or	r FAC: <u>3</u> (A)
2.						
3.					Total Number of Domina	nt
4.					Species Across All Strata	a:(B)
		=	Total Cover			
Sapling/Shrub Str	ratum (Plot size: r=2m)				Percent of Dominant Spe	
1. Rubus armeni	acus	5%	Yes	FAC	That Are OBL, FACW, or	r FAC: <u>100%</u> (A/B)
2.					Prevalence Index works	
3.					Total % Cover of:	Multiply by:
4.					OBL species	x 1 =
5.					FACW species	x 2 =
Horb Stratum	(Plot size: <u>r=1m)</u>	=	Total Cover		FAC species FACU species	x 3 =
Herb Stratum 1. Poa pratensis	(Plot size: 1-1111)	450/	V	FAC	UPL species	x 4 = x 5 =
- 	linaaa	45%	Yes	FAC	Column Totals:	(A) (B)
 Phalaris aruno Ranunculus re 			Yes No	FACW FAC	Prevalence Ir	 '''
Galium aparin		2%	No	FACU	Hydrophytic Vegetation	
5.	0			17100		lydrophytic Vegetation
6.					X 2 - Dominance Test	, , , ,
7.			-		3 - Prevalence Inde	
8.						daptations ¹ (Provide supporting
9.						or on a separate sheet)
10.					5 - Wetland Non-Va	uscular Plants ¹
11.					Problematic Hydrop	phytic Vegetation (Explain) ¹
		100% =	Total Cover		¹ Indicators of hydric soil a	and wetland hydrology must
Woody Vine Strat	<u>um</u> (Plot size: <u>r=2m)</u>				be present.	
1. <u>none</u>						
2			T-1-1 O-1		Hydrophytic	Vos V No
% Bare Ground in	Herb Stratum 0%	=	Total Cover		Vegetation Present?	Yes X No
					i resent:	
Remarks:						

Parametrix

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SOIL						Sampling Point:	WFW-10-SP08
	n (Describe to the o	depth needed	I to document th	ne indicator or confirm the abse	ence of indicators):		
Depth	Matrix	-		Redox Features	•		
(inches)	Color (moist)	%	Color (moist)	1	Loc ²	Texture	Remarks
0-4	10YR 2/2	100		 		GrL	
4-10	10YR 2/2	70				GrL	mixed matrix
	10YR 3/6	30				GrL	mixed matrix
10-16	10YR 3/6	100				GrL	
¹ Type: C=Concent	ration, D=Depletion.	RM=Reduced	Matrix. CS=Cov	ered or Coated Sand Grains.	² Location: PL=Pore L	ining, M=Matrix.	
	•			ifier: co = coarse; f = fine; vf = vei		-	
	tors (Applicable to					roblematic Hydric Soils ³ :	
Histosol (A1)	ioro (Appirouoro to	u =	Sandy Redox	•	2 cm Muck	-	
Histic Epipedoi	2 (42)	_	Stripped Matr	` '		Material (TF2)	
Black Histic (A:	` '	_		Mineral (F1) (except MLRA 1)		w Dark Surface (TF12)	
Hydrogen Sulfi	·	_	Loamy Gleye	, ,, , , ,		ain in Remarks)	
_ ' '	v Dark Surface (A11	_	Depleted Mat		Other (Expire	an in Remarks)	
Thick Dark Sur	•	_	Redox Dark S				
Sandy Mucky N	, ,	_		k Surface (F7)		drophytic vegetation and wetla	
Sandy Gleyed		_	Redox Depres	, ,	nydrology must t problematic.	pe present, unless disturbed or	•
		_			procession.		
Restrictive Layer (11-1-1-0-1		
Type	-				Hydric Soil	v	v
Depth (inches):	n/a				Present?	Yes	No X
Remarks:							
appears to be fill ma	aterial						
LIVEROL OCY							
HYDROLOGY							
Wetland Hydrolog	-						
Primary Indicators (minimum of one req	uired; check a	II that apply)		•	ators (2 or more required)	
Surface Water		_		d Leaves (B9) (except MLRA		ed Leaves (B9) (MLRA 1, 2,	
High Water Tal	` '		1, 2, 4A, ar	,	4A, and 4	•	
Saturation (A3)		_	Salt Crust (B1	•	•	atterns (B10)	
Water Marks (E	·	_		ebrates (B13)		Water Table (C2)	
Sediment Depo	` '	_		fide Odor (C1)		/isible on Aerial Imagery (C9)	
Drift Deposits (•	_		ospheres along Living Roots (C3	· —	Position (D2)	
Algal Mat or Cr		_		Reduced Iron (C4)	Shallow Aqu		
Iron Deposits (·	_		eduction in Tilled Soils (C6)	x_FAC-Neutra	, ,	
Surface Soil Ci	, ,			ressed Plants (D1) (LRR A)		Mounds (D6) (LRR A)	
	ble on Aerial Imager		Other (Explain	n in Remarks)	Frost-Heave	e Hummocks (D7)	
Sparsely Vege	tated Concave Surfa	ce (B8)					
Field Observation	s:						
Surface Water Pre	sent? Yes_		Nox	Depth (inches):	Wetland		
Water Table Prese	nt? Yes_		No x	Depth (inches):	Hydrology	Yes	No X
Saturation Present			Nox	Depth (inches):	Present?		
(includes capillary	fringe)						
Deparits Bassed	od Doto (otroom	iao monito-i	na wall aasia! :-	hotos provious imamasticas -\ 'f	i available.		
Describe Records	u Data (stream gat	ige, monitori	ng wen, aerial p	hotos, previous inspections), if	avallable:		
Remarks:							

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Application	Project/Site: OMF:	S and TDLE		City/County:	Federal Way,	King County	Samplir	ng Date:	12/5/2019
Lamidum Philipson, tarcoc, sto. Sept. S	Applicant/Owner: S	ound Transit			-	State: V	NA S	ampling Point:	WFW-10-SP09
Subtragion (LRR) Northwest Forests and Caset (LRR A) Let 47.304736 Let 23.03715 Not Mod 163 Not Mod 163	Investigator(s):	. Parry, A. Thom				Section, Township, Range	e:	T21N R04E S1	16
Solid Description Advanced greeneyle and yboard, 10 to \$ is slopes AgS Mo (Into scalination none Add claratic (Pythorlogic conditions on the site bypeal for this red year? Ves X No (Into scalina in Remarks.)	Landform (hillslope, terr	ace, etc.):	terrace		Local r	elief (concave, convex, none): none	Slope ((%): <3%
Ava clamatic Phytrologic conditions on the side bytolar for this time of year's and Vagadation Soil or Phytrology and Vagadation Soil or Phytrology and Phytrology and Vagadation Soil or Phytrology Processor Vagadation Soil or Vagadation Soil or Phytrology Processor Vagadation Soil Organization Soil or P	Subregion (LRR): N	lorthwest Forests and Coast	(LRR A))	Lat: 47.304739	Loi	ng: -122.303713		Datum:	NAD 1983
Ave Vegetation	Soil Unit (Name-ID-Hy	dric Rating): Alderwood g	ravelly sandy loam,	0 to 8 % slopes -	AgB	- Not Hydric	NWI classificati	on:	none
Sold		• • •	•					•	•
Name							•	_	_x_No
Production Present? Yes X No No No No No No	_		_	 '	·			·	
Note			•		nt locations	s, transects, import	ant features	, etc.	
Welland Hybrology Present? Yes X No Within a Wetland? Yes X No		on Present?			Is the Samn	led Area			
Precipitation The Stratum Control The Stratum The Stratum Control The Stratum The Stratu	•				-	tland?	v	N.	
According to the Seatlle Tacoma International NOAA weather station, precipitation was above the normal range for the three months prior to the site visits in November and within the normal range for the three months prior to the site visits in November and within the normal range for the three months prior to the site visits in November and within the normal range for the three months prior to the site visits in November and within the normal range for the three months prior to the site visits in November and within the normal. And December was wetter than normal. **PROPORTION** **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Vestand SP in WFW10, Unit C. SP positioned on a terrace to the cest of E. Fork Hylebos Creek Trib DIGA* **Provide Trib And Trib Creek Species SP in Trib And Trib And Trib Creek Species SP in Trib And Trib And Trib Creek Species SP in Trib And Trib And Trib Creek Species SP in Trib And Trib Creek S	vvetiand Hydrology Pi	resent?	Yes X	NO	"""	Yes	<u> </u>	NO	
Name	•	la Tagama International NO	A A weather station	procinitation was ab	aaya tha narma	I range for the three month	ha prior to the ci	to vioito in Novo	mbor and within
Name	•					•	•	te visits in Novei	niber and within
VEGETATION	-								
Absolute Dominant Indicator Multiply	PFO wetland SP in W	FW10, Unit C. SP positioned	d on a terrace to the	east of E. Fork Hyle	ebos Creek Trib	0016A			
Absolute Dominant Indicator Spandings Statum (Plot size: ESm) Size (See Spandings Statum Spandings Statum Spandings Statum Spandings Spandings Statum Spandings Span									
Absolute Dominant Indicator Spandings Statum (Plot size: ESm) Size (See Spandings Statum Spandings Statum Spandings Statum Spandings Spandings Statum Spandings Span									
Tree Stratum	VEGETATION								
			Absolute	Dominant	Indicator	Dominance Test wor	ksheet:		
Sapling/Shrub Stratum (Plot size: F2m)	Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant	Species		
Total Number of Dominant Species Across All Strata: 5 (B)	1. Alnus rubra		90%	Yes	FAC	That Are OBL, FACW	, or FAC:	3	(A)
Sapling/Shrub Stratum (Plot size: I=2m)	2.								
Sapling/Shrub Stratum (Plot size: F2m)	3.					Total Number of Domi	inant		
Percent of Dominant Species	4.					Species Across All Str	rata:	5	(B)
Rubus spectabilis			90% =	Total Cover					
Rubus ameniacus	Sapling/Shrub Stratu	<u>ım</u> (Plot size: <u>r=2m)</u>				Percent of Dominant S	Species		
15% Yes FACU OBL species X 1 =	rabas speciabilis	:	40%	Yes	FAC	That Are OBL, FACW	, or FAC:	<u>60%</u>	(A/B)
A	rabas armeniaca	s	15%	Yes	FAC				
FACW species X 2 = FACW species X 3 = FACW species X 4 = FACW species X 5	3. Rubus ursinus		15%	Yes	FACU	Total % Cover of		<u>/ by:</u>	-
Herb Stratum	4						x 1 =		
### Big Provided Stratum Facus Fac	5					· -	x 2 =		
1. none 2. Column Totals:			70% =	Total Cover					
2.		(Plot size: <u>r=1m)</u>							
Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants 10. 5 - Wetland Non-Vascular Plants Problematic Hydrophytic Vegetation (Explain) 1 Hedera helix 100% Yes FACU Hydrophytic Vegetation Yes X No Present? No Present?									
### Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ 10.				-					(B)
5.	3.								
6.									
7								getation	
8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ Problematic Hydrophytic vegetation (Explain)¹ Indicators of hydric soil and wetland hydrology must be present. 1. Hedera helix Problematic Hydrophytic vegetation (Explain)¹ Indicators of hydric soil and wetland hydrology must be present. Hydrophytic Vegetation Yes X No Present?									
9. data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants 11. Problematic Hydrophytic Vegetation (Explain) 1 Indicators of hydric soil and wetland hydrology must be present. 1. Hedera helix 2. Total Cover Mow Yes FACU Hydrophytic Yes X No								5	
10				-					ng
11. Problematic Hydrophytic Vegetation (Explain) 1							·		
Moody Vine Stratum									
Woody Vine Stratum (Plot size: F2M) be present. 1. Hedera helix 100% Yes FACU 2.				Total Cover		 			
1. Hedera helix 100% Yes FACU 2. 100% = Total Cover % Bare Ground in Herb Stratum 0% Total Cover Yes X No Present?	Woody Vine Stratum	(Plot size: r=2m)	=	rotal Cover		•	on and wetland i	iyarology must	
% Bare Ground in Herb Stratum 0% Total Cover Vegetation Yes X No Present?			100%	Yes	FACU	25 p. 555/ft.			
% Bare Ground in Herb Stratum 0% Present?						Hydrophytic			
	0/ D		100% =	Total Cover		-	Yes X	No	
Remarks:	% Bare Ground in He	erb Stratum 0%				Present?			
	Remarks:					1			

Parametrix

SOIL							Sampling Point:	WFW-10-SP0
	n (Describe to the	depth need	ed to document the i	ndicator or co	nfirm the abser	nce of indicators):	oupg . o	
Depth	, Matrix	-			Features	,		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-11	10YR 2/2	100	<u> </u>				GrCL	riomanio
11-17	5Y 5/2	70	10YR 5/6	25				
	01 0/2		7.5YR 5/8	5				
.			7.011(0/0					
	 -					 -		
•	•		ed Matrix, CS=Covere			ocation: PL=Pore Linir		
					t = tine; vt = very		clay); - = light (less clay)	
ydric Soil Indicat	ors (Applicable to	ali LRRS, u	nless otherwise note	d):		Indicators for Prol	olematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S			2 cm Muck (A1	,	
Histic Epipedon			Stripped Matrix (Red Parent Ma		
Black Histic (A3	•		Loamy Mucky M	neral (F1) (exc	ept MLRA 1)	Very Shallow [Dark Surface (TF12)	
Hydrogen Sulfid			Loamy Gleyed M			Other (Explain	in Remarks)	
x Depleted Below	Dark Surface (A11)	Depleted Matrix	(F3)				
Thick Dark Surf	ace (A12)		Redox Dark Surf			³ Indicators of hydro	phytic vegetation and wetlar	nd
Sandy Mucky N	lineral (S1)		Depleted Dark S	urface (F7)		•	present, unless disturbed or	
Sandy Gleyed I	Matrix (S4)		Redox Depression	ons (F8)		problematic.		
Restrictive Layer (f present):							
Type:	none					Hydric Soil		
Depth (inches):	n/a					Present?	Yes X	No
HYDROLOGY Wetland Hydrology			- II the steer of N			Occupation I division	(0	
	minimum of one rec	uired; check		=		•	rs (2 or more required)	
Surface Water	· · · · · ·		Water-Stained L		cept MLRA		Leaves (B9) (MLRA 1, 2,	
High Water Tab	ole (A2)		1, 2, 4A, and 4	⊦B)		4A, and 4B)		
x Saturation (A3)			Salt Crust (B11)			Drainage Patte		
Water Marks (B			Aquatic Inverteb				ater Table (C2)	
Sediment Depo	, ,		Hydrogen Sulfide	, ,		· · · · · · · · · · · · · · · · · · ·	ble on Aerial Imagery (C9)	
Drift Deposits (I	· ·		Oxidized Rhizos		ving Roots (C3)	Geomorphic P	·	
Algal Mat or Cri			Presence of Red		0 11 /00	Shallow Aquita	` '	
Iron Deposits (E	•		Recent Iron Red			FAC-Neutral T		
Surface Soil Cr		(5.5)	Stunted or Stress		(LRR A)		ounds (D6) (LRR A)	
	ole on Aerial Imager	, ,	Other (Explain in	Remarks)		Frost-Heave H	ummocks (D7)	
Sparsely Veget	ated Concave Surfa	ıce (B8)						
ield Observations	:							
Surface Water Pres	sent? Yes		No x	Depth (inches	s):	Wetland		
Water Table Presei	nt? Yes		No x		s):	Hydrology	Yes X	No
Saturation Present				Depth (inches	s): 11	Present?		
(includes capillary f	ringe)	_			_			
December December	d Data (atmasses		ring wall as dated at the		noncoticus) 'f			
Describe Recorde	น มลเล (stream gai	.ye, monito	ring well, aerial pho	.os, previous i	rispections), if a	avallable:		
Remarks:								

Project/Site: O	MFS and TDLE		City/County:	Federal Way,	, King County Sampling Date: 12/5/2019
Applicant/Owner:	Sound Transit			-	State: WA Sampling Point: WFW-10-SP10
Investigator(s):	T. Parry, A. Thom			;	Section, Township, Range: T21N R04E S16
Landform (hillslope,	terrace, etc.):	terrace		Local r	relief (concave, convex, none): none Slope (%): <3%
Subregion (LRR):	Northwest Forests and Coas	st (LRR A))	Lat: 47.304735	Loi	ng:122.303799
Soil Unit (Name-ID	-Hydric Rating): Alderwood	gravelly sandy loam,	0 to 8 % slopes -	AgB	- Not Hydric NWI classification: R4SBC
Are climatic / hydro	ologic conditions on the site type	•			es No (If no, explain in Remarks)
Are Vegetation	, Soil				Are "Normal Circumstances" present? Yes x No
Are Vegetation	, Soil	_			If needed, explain any answers in Remarks.)
				nt locations	s, transects, important features, etc.
Hydrophytic Vege		Yes	No <u>X</u>	Is the Samp	led Area
Hydric Soil Preser		Yes	No X	within a Wet	tland?
Wetland Hydrolog	y Present?	Yes	No <u>X</u>	within a vve	tiand? YesNoX
Precipitation:		344			Lancard Could a three constitution of the first transfer to North American designation
_	eattie Tacoma International No or visits within December. The				I range for the three months prior to the site visits in November and within ber was wetter than normal.
Remarks:					
Upland SP in WFV	V-10, Unit C. SP positioned abo	ove stream terrace to	the east of E. Fork	Hylebos Creek	Trib 0016A
VEGETATION					
		Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1. Alnus rubra		100%	Yes	FAC	That Are OBL, FACW, or FAC: 2 (A)
2					
3.			-		Total Number of Dominant
4.		_			Species Across All Strata: 6 (B)
		100% =	Total Cover		
Sapling/Shrub St	ratum (Plot size: r=2m)				Percent of Dominant Species
1 Rubus specta	bilis	40%	Yes	FAC	That Are OBL, FACW, or FAC: 33% (A/B)
2. Sambucus rac	cemosa	30%	Yes	FACU	Prevalence Index worksheet:
3. Rubus ursinus	3	25%	Yes	FACU	Total % Cover of: Multiply by:
4. Rubus armeni		5%	No	<u>FAC</u>	OBL species x 1 =
5. <u>Ilex aquifolium</u>	1	5%	No	FACU	FACW species x 2 =
Hank Stratum	(DI-4 -: r=1m)	105%=	Total Cover		FAC species x 3 =
Herb Stratum	(Plot size: <u>r=1m)</u>	450/	.,	E4011	FACU species x 4 =
Polystichum n 2.	nunitum	15%	Yes	<u>FACU</u>	UPL species x 5 =(B)
3.					Prevalence Index = B/A =
4.					Hydrophytic Vegetation Indicators:
5.					1 - Rapid Test for Hydrophytic Vegetation
6.					2 - Dominance Test is >50%
7.		_			3 - Prevalence Index is ≤3.0¹
8.		_			4 - Morphological Adaptations ¹ (Provide supporting
9.		_			data in Remarks or on a separate sheet)
10.					5 - Wetland Non-Vascular Plants ¹
11.					Problematic Hydrophytic Vegetation (Explain) ¹
		15% =	Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Strat	tum (Plot size: r=2m)				be present.
1. Hedera helix		50%	Yes	FACU	
2			T 1 10		Hydrophytic
% Bare Ground in	n Herb Stratum 35%	=	Total Cover		Vegetation
Dai o oroana ii					
Remarks:					
ground covered by	r lear litter				
1					

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Profile Description (Describe to the depth need Depth Matrix	eded to document the	indicator or oo			Sampling Point:	WFW-10-SP10
Depth Matrix		illulcator or co	nfirm the absen	ce of indicators):		
· -			Features	,		
(inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-13 10YR 2/2 100					L	
13-17 10YR 3/3 95	7.5YR 4/6	5			CL	
				·		
			-			
¹ Type: C=Concentration, D=Depletion, RM=Red	uced Matrix. CS=Cover	ed or Coated Sa	nd Grains. ² L	ocation: PL=Pore Lir	ning, M=Matrix.	
³ Texture: S = sand; Si = silt; C = clay; L = loam or					-	
Hydric Soil Indicators (Applicable to all LRRs,					oblematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (•		2 cm Muck (•	
Histic Epipedon (A2)	Stripped Matrix	,			Material (TF2)	
Black Histic (A3)		/lineral (F1) (exc	ent MIRA 1)		/ Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed		Spe Williot 1)		in in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix				iii iii rediiane)	
Thick Dark Surface (A12)	Redox Dark Su					
Sandy Mucky Mineral (S1)	Depleted Dark			•	rophytic vegetation and wetlar	nd
Sandy Gleyed Matrix (S4)	Redox Depress	, ,		problematic.	e present, unless disturbed or	
Restrictive Layer (if present):	<u> </u>					
-				Hydric Soil		
Depth (inches): n/a				Present?	Yes	No X
Depth (menes). II/a				i resent.		<u> </u>
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one required; che	ck all that apply)			Secondary Indica	tors (2 or more required)	
Surface Water (A1)		— ∟eaves (B9) (exc	ept MLRA	•	ed Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)	1, 2, 4A, and	`		4A, and 4E	` , ,	
Saturation (A3)	Salt Crust (B11	*		Drainage Pa	•	
Water Marks (B1)	Aquatic Invertel	•		Dry-Season	Water Table (C2)	
Sediment Deposits (B2)	Hydrogen Sulfic	le Odor (C1)			sible on Aerial Imagery (C9)	
Drift Deposits (B3)	Oxidized Rhizo	spheres along Li	ving Roots (C3)	Geomorphic	Position (D2)	
Algal Mat or Crust (B4)	Presence of Re	duced Iron (C4)		Shallow Aqu	itard (D3)	
Iron Deposits (B5)	Recent Iron Re	duction in Tilled	Soils (C6)	FAC-Neutral	Test (D5)	
Surface Soil Cracks (B6)	Stunted or Stre	ssed Plants (D1)	(LRR A)	Raised Ant N	Nounds (D6) (LRR A)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain i	n Remarks)		Frost-Heave	Hummocks (D7)	
Sparsely Vegetated Concave Surface (B8)						
Field Observations:						
Surface Water Present? Yes	No x	Depth (inches	s):	Wetland		
	No x	Depth (inches		Hydrology	Yes	No X
Saturation Present? Yes		Depth (inches		Present?	-	
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mon	toring well, aerial pho	otos, previous i	nspections), if a	vailable:		
Remarks:						

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Project/Site: 0	DMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date:	1/21/2020
Applicant/Owner:	Sound Transit				State: W	/A Sampling F	Point: WFW-10-SP11
Investigator(s):	A. Hoenig, A. Thom			<u> </u>	Section, Township, Range:	T21N R	04E S16
Landform (hillslope	e, terrace, etc.):	hillslope	!	_ Local r	elief (concave, convex, none):	concave	Slope (%): >10%
Subregion (LRR):	Northwest Forests and Coas	st (LRR A))	Lat: 47.303131	_ Loi	ng: <u>-122.303800</u>	Datum: _	NAD 1983
Soil Unit (Name-II	• • • • • • • • • • • • • • • • • • • •	ood gravelly sandy loar				NWI classification:	none
•	rologic conditions on the site typ	•			es X No	(If no, explain in	,
Are Vegetation Are Vegetation	, Soil , Soil				re "Normal Circumstances f needed, explain any ansv	•	Yes <u>X</u> No
_				·	•	*	
Hydrophytic Vege	F FINDINGS – Attach s	Yes	No X	liciocations	s, transects, importa	int leatures, etc.	
Hydric Soil Prese		Yes	No X	Is the Samp	led Area		
Wetland Hydrolog		Yes	No X	within a Wet	land? Yes	No)	(
	97 1 1000.11.			1			<u>`</u>
Precipitation: According to the S	Seattle Tacoma International No	DAA weather station	, precipitation was no	rmal for the thr	ee months prior to the site	visits in Janurary. The m	nonth of Decement was
	as dry and October was normal		, p p		· · · · · · · · · · · · · · · · · · ·		
Remarks:							
Upland SP to WF	W-10 Unit C, SP located betwe	en driveway and stre	eam bank east of Eas	t Hylebos Cree	K Trib 0016A		
VEGETATION	N .				<u> </u>		
	(DL (: r=2m)	Absolute	Dominant	Indicator	Dominance Test work		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant S		
Pseudotsuga 2.	menziesii		Yes	FACU	That Are OBL, FACW,	or FAC:	(A)
3.					Total Number of Densin		
4.					Total Number of Domin		2 (B)
· -		70%	= Total Cover		Species Across All Stra	ata:	2 (B)
Sanling/Shrub S	tratum (Plot size: <u>r=2m)</u>		- Total Cover		Percent of Dominant S	necies	
1. none	(1 lot 3/26. <u></u>				That Are OBL, FACW,	•	<u>50%</u> (A/B)
2.			-		Prevalence Index wor		<u>9979</u> (A/B)
3.		_			Total % Cover of:		
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. Phalaris arun	dinacea	80%	Yes	FACW	UPL species	x 5 =	
2 Agrostis sp.		15%	No	FAC*	Column Totals:	(A)	(B)
3. Hypochaeris	radicata	3%	No	FACU	Prevalence	Index = B/A =	·
4					Hydrophytic Vegetation	on Indicators:	
5					1 - Rapid Test for	Hydrophytic Vegetation	
6.					2 - Dominance Te	st is >50%	
7					3 - Prevalence Ind	lex is ≤3.0 ¹	
8					<u> </u>	Adaptations ¹ (Provide su	
9						ks or on a separate shee	t)
10					5 - Wetland Non-V		
11					-	ophytic Vegetation (Expl	•
W	utum (Plot size: <u>r=2m)</u>	98%	= Total Cover			il and wetland hydrology	must
Woody Vine Stra	tum (Plot size: 1-2111)				be present.		
2.					Hydrophytic		
	<u> </u>	0% =	= Total Cover		Vegetation	Yes No	x
% Bare Ground i	n Herb Stratum 2%				Present?		_
Remarks:							
*presumed FAC							
1							

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SOIL					Sampling Point:	WFW-10-SP11
Profile Description (Describe to the depth nee	ded to document the	indicator or co	nfirm the absen	ce of indicators):	oumping roma	***************************************
Depth Matrix			Features	,		
(inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-15 10YR 2/2 100					GrSaL	cobbles
15-16 10YR 3/3 90	10YR 4/6	10			GrSaL	cobbles
¹ Type: C=Concentration, D=Depletion, RM=Redu	iced Matrix, CS=Cover	ed or Coated Sa	nd Grains. ² L	ocation: PL=Pore Lir	ning, M=Matrix.	
³ Texture: S = sand; Si = silt; C = clay; L = loam or						
Hydric Soil Indicators (Applicable to all LRRs,	-				oblematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S	•		2 cm Muck (•	
Histic Epipedon (A2)	Stripped Matrix	,			Material (TF2)	
Black Histic (A3)	 ··	ردی) Ineral (F1) (exc	ent MI RA 1)		/ Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed		opt MEIO(I)		in in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix				,	
Thick Dark Surface (A12)	Redox Dark Su					
Sandy Mucky Mineral (S1)	Depleted Dark			•	rophytic vegetation and wetlar e present, unless disturbed or	d
Sandy Gleyed Matrix (S4)	Redox Depress	ions (F8)		problematic.	e present, unless disturbed of	
Restrictive Layer (if present):						
-				Hydric Soil		
Depth (inches): n/a				Present?	Yes	No X
Bopur (monoo).						<u> </u>
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one required: che	ck all that apply)			Secondary Indica	tors (2 or more required)	
Surface Water (A1)		– ₋eaves (B9) (exc	ent MIRA	•	ed Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)	1, 2, 4A, and		opt mer o t	4A, and 4I	` , ,	
Saturation (A3)	Salt Crust (B11	,		Drainage Pa	,	
Water Marks (B1)	Aquatic Invertel				Water Table (C2)	
Sediment Deposits (B2)	Hydrogen Sulfic	, ,			isible on Aerial Imagery (C9)	
Drift Deposits (B3)		spheres along Li	ving Roots (C3)	Geomorphic	Position (D2)	
Algal Mat or Crust (B4)	Presence of Re	duced Iron (C4)	. , ,	Shallow Aqu	itard (D3)	
Iron Deposits (B5)		duction in Tilled	Soils (C6)	FAC-Neutral	Test (D5)	
Surface Soil Cracks (B6)	Stunted or Stres	ssed Plants (D1)	(LRR A)	Raised Ant N	Mounds (D6) (LRR A)	
Inundation Visible on Aerial Imagery (B7)	Other (Explain i	n Remarks)		Frost-Heave	Hummocks (D7)	
Sparsely Vegetated Concave Surface (B8)						
Field Observations:						
Surface Water Present? Yes	No X	Denth (inches	s):	Wetland		
Water Table Present? Yes		Depth (inches		Hydrology	Yes	No X
Saturation Present? Yes		Depth (inches		Present?		
(includes capillary fringe)			,			
Describe Recorded Data (stream gauge, moni	toring well, aerial pho	otos, previous i	nspections), if a	vailable:		
Remarks:						

Project/Site: OMFS	and TDLE		City/County:	Federal Way,	King County	Sampling D	Date: 1	/21/2020
	und Transit					_		WFW-10-SP12
Investigator(s): A. I	Hoenig, A. Thom				Section, Township, Rang	ie: T	21N R04E S16	3
Landform (hillslope, terrac	e, etc.):	terrace		– Local r	elief (concave, convex, none	e): convex	Slope (%	%): <3%
Subregion (LRR): Nor	thwest Forests and Coas	t (LRR A))	Lat: 47.303121	_ Loi	ng: -122.303895	Da	tum: N	IAD 1983
Soil Unit (Name-ID-Hydr	ric Rating): Alderwo	od gravelly sandy loan	n, 0 to 8 % slopes -	– AgB	- Not Hydric	NWI classification:	R	4SBC
Are climatic / hydrologic	conditions on the site typ	ical for this time of y	rear?	Y	es X No	(If no, expl	ain in Remark	s)
Are Vegetation		, or Hydrology	significantly dis	turbed? A	re "Normal Circumstance	es" present?	Yes	K_No
Are Vegetation	, SoilX	, or Hydrology _	naturally proble	ematic? (I	lf needed, explain any an	swers in Remarks.)		
SUMMARY OF FIN	IDINGS – Attach si	ite map showin	g sampling poi	nt locations	s, transects, import	tant features, et	c.	
Hydrophytic Vegetation	Present?	Yes <u>X</u>	No					
Hydric Soil Present?		Yes X	No	Is the Samp				
Wetland Hydrology Pres	sent?	YesX	No	within a Wet	tland? Yes_	X No		
wet, November was dry	Tacoma International NC and October was normal.		, precipitation was no	ormal for the thr	ee months prior to the sit	te visits in Janurary.	The month of	Decement was
within OHWLs. Problematic Soil: lack of determination of wetland	nt sample point within PF indicators but appears to l area.	ŭ			,		•	
VEGETATION								
		Absolute	Dominant	Indicator	Dominance Test wo	rksheet:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant	Species		
1. none					That Are OBL, FACW	V, or FAC:	2	(A)
2.								
3.					Total Number of Dom	ninant		
4.					Species Across All S	trata:	2	(B)
		=	Total Cover					
Sapling/Shrub Stratum	(Plot size: <u>r=2m)</u>				Percent of Dominant	Species		
1. Rubus armeniacus			Yes	FAC	That Are OBL, FACW	V, or FAC:	<u>100%</u>	(A/B)
2.					Prevalence Index w			
3.					Total % Cover o		<u>":</u>	
4					OBL species	x 1 =		
5					FACW species	x 2 =		
		=	Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
Phalaris arundinace	ea	99%	Yes	FACW	UPL species	x 5 =		
2. Ranunculus repens		1%	No	<u>FAC</u>	Column Totals:	(A)		(B)
3.						ce Index = B/A =		
4.					Hydrophytic Vegeta			
5.						or Hydrophytic Veget	ation	
6.					X 2 - Dominance T			
7.					3 - Prevalence li			
8.						al Adaptations¹ (Prov		9
9.						arks or on a separate	sneet)	
10.					—	n-Vascular Plants	/=1-i\1	
11					 	drophytic Vegetation		
Woody Vine Stratum 1. none	(Plot size: <u>r=2m)</u>	<u>100%</u> =	- Total Cover		¹ Indicators of hydric s be present.	soil and wetland nyd	rology must	
2.					Hydrophytic			
% Bare Ground in Herk	Stratum 0%	0% =	= Total Cover		Vegetation Present?	Yes X	No	
Remarks:								

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SOIL						Sampling Point:	WFW-10-SP12
Profile Description (Describe to t	he depth need	ded to document the	indicator or confirm	n the absen	ce of indicators):		
Depth Ma	atrix		Redox Feat	tures			
(inches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16 10YR 2/2	100					GrL	
			· <u> </u>				
			· <u> </u>				
¹ Type: C=Concentration, D=Deplet	ion PM=Pedu	ced Matrix CS=Cover	red or Coated Sand G	Praine 21	ocation: PL=Pore Lir	ning M=Matrix	
³ Texture: S = sand; Si = silt; C = cla							
Hydric Soil Indicators (Applicable	•			ie, vi – very		oblematic Hydric Soils ³ :	
	to all Lixixs, i		·			•	
Histosol (A1)		Sandy Redox (•		2 cm Muck (/	•	
Histic Epipedon (A2)		Stripped Matrix	` '			Material (TF2)	
Black Histic (A3)			Mineral (F1) (except M	/ILRA 1)		/ Dark Surface (TF12)	
Hydrogen Sulfide (A4)		Loamy Gleyed			X Other (Expla	in in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix					
Thick Dark Surface (A12)		Redox Dark Su	, ,		³ Indicators of hydi	rophytic vegetation and wetla	ind
Sandy Mucky Mineral (S1)		Depleted Dark				e present, unless disturbed o	r
Sandy Gleyed Matrix (S4)		Redox Depress	sions (F8)		problematic.		
Restrictive Layer (if present):							
Type: none					Hydric Soil		
Depth (inches): n/a	<u></u>				Present?	Yes X	No
indicators.							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one	required: chec	rk all that annly)			Secondary Indica	tors (2 or more required)	
Surface Water (A1)	required, cried		— Leaves (BO) (except N	MIDA	•	ed Leaves (B9) (MLRA 1, 2,	
X High Water Table (A2)		1, 2, 4A, and	Leaves (B9) (except N	VILKA	4A, and 4E	, , , , , , , , , , , , , , , , , , , ,	
X Saturation (A3)		Salt Crust (B11	<i>'</i>		Drainage Pa	'	
Water Marks (B1)		Aquatic Inverte	<i>'</i>			Water Table (C2)	
Sediment Deposits (B2)		Hydrogen Sulfic				isible on Aerial Imagery (C9)	
Drift Deposits (B3)			spheres along Living	Roote (C3)	X Geomorphic	• • • •	
Algal Mat or Crust (B4)			educed Iron (C4)	110013 (03)	Shallow Aqui	, ,	
Iron Deposits (B5)			duction in Tilled Soils	(C6)	X FAC-Neutral		
Surface Soil Cracks (B6)			ssed Plants (D1) (LRI			Nounds (D6) (LRR A)	
Inundation Visible on Aerial Ima	ageny (R7)	Other (Explain		(XA)		Hummocks (D7)	
Sparsely Vegetated Concave S		Other (Explain)	iii (Ciliano)		11031-110470	Transitiocks (DT)	
	Janace (Bo)						
Field Observations:							
	'es	_ No X	Depth (inches):		Wetland		
	'es X	_ No	Depth (inches):	2"	Hydrology	Yes X	No
Saturation Present? Y (includes capillary fringe)	′es <u> X </u>	_ No	Depth (inches):	surrace	Present?		
Describe Recorded Data (stream	gauge, monit	oring well, aerial ph	otos, previous inspe	ections), if a	vailable:		
Remarks:							

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Project/Site: O	MFS and TDLE		City/County:	Federal Way	, King County	Sampling Date: 1/21/2020	
Applicant/Owner:	Sound Transit				State: WA	Sampling Point: WFW-10-SP1	3
Investigator(s):	A. Hoenig, A. Thom			_	Section, Township, Range:	T21N R04E S16	
Landform (hillslope,	terrace, etc.):	hillslope	1	Local	relief (concave, convex, none):	concave Slope (%): 3-5%	
Subregion (LRR):	Northwest Forests and Coast	(LRR A))	Lat: 47.303221	_ Lo	ong:122.303937	Datum: NAD 1983	
Soil Unit (Name-ID	-Hydric Rating): Alderwood g	ravelly sandy loam	, 0 to 8 % slopes -	AgB	- Not Hydric NW	I classification: R4SBC	
Are climatic / hydro	ologic conditions on the site typi	cal for this time of	/ear?	`	res X No	(If no, explain in Remarks)	
Are Vegetation	, Soil	_ , or Hydrology	significantly dis		Are "Normal Circumstances" pr	resent? Yes X No	
Are Vegetation	, SoilX	, or Hydrology _	naturally proble	ematic?	(If needed, explain any answer	s in Remarks.)	
SUMMARY OF	FINDINGS - Attach si	te map showir	ng sampling poi	nt location	s, transects, important	features, etc.	
Hydrophytic Vege	tation Present?	Yes <u>X</u>	No				
Hydric Soil Preser	nt?	Yes X	No	Is the Sam	oled Area		
Wetland Hydrolog	y Present?	YesX	No	within a We	etland? Yes X	No	
wet, November wa Remarks:	eattle Tacoma International NO s dry and October was normal. n right bank of East Hylebos Cr			ormal for the th	ree months prior to the site visi	its in Janurary. The month of Decement wa	s
\(= 0 = T + T 0 \)							
VEGETATION				1 12 1	ln		
	(DI . : r=2m)	Absolute	Dominant	Indicator	Dominance Test worksh		
Tree Stratum 1. Alnus rubra	(Plot size: <u>r=3m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant Spec		
Alnus rubra 2.			Yes	<u>FAC</u>	That Are OBL, FACW, or F	FAC: <u>3</u> (A)	
3.							
4.					Total Number of Dominant		
					Species Across All Strata:	(B)	
	(5) (5) (5) (5)	70%	= Total Cover				
Sapling/Shrub Sti					Percent of Dominant Spec		
1. Rubus spectal		25%	Yes	FAC	That Are OBL, FACW, or F	* * *	
 Rubus armeni Rubus armeni 	acus	20%	Yes	FAC	Prevalence Index worksh		
					Total % Cover of:	Multiply by:	
4.					OBL species	x 1 =	
5.					FACW species	x 2 =	
	(=, , , , , , , , , , , , , , , , , , ,	45%	= Total Cover		FAC species	×3=	
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =	
1. <u>none</u>					UPL species	x 5 =	
2.					Column Totals:	(A)(B)	
3.					Prevalence Ind		
4					Hydrophytic Vegetation		
5.					1 - Rapid Test for Hyd	• • •	
6. _					X 2 - Dominance Test is		
7					3 - Prevalence Index		
8.						aptations ¹ (Provide supporting	
9						or on a separate sheet)	
10					5 - Wetland Non-Vas		
11						ytic Vegetation (Explain)¹	
Woody Vine Strat 1. none	um (Plot size: <u>r=2m)</u>		= Total Cover		¹ Indicators of hydric soil ar be present.	nd wetland hydrology must	
2.					Hydrophytic		
		0% :	= Total Cover			Yes X No	
% Bare Ground in	Herb Stratum 100%				Present?		
Remarks:	<u> </u>				<u> </u>		

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SOIL							Sampling Point:	WFW-10-SP13
Profile Description (I	Describe to the	depth need	ded to document the	indicator or co	nfirm the abser	nce of indicators):	oumpining r omit.	***************************************
Depth	Matrix				Features	,		
·	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	100					L	slighly greasy
8-16	10YR 3/1	95	7.5YR 3/4	5	C	M	GrL	
_								
			_					
¹ Type: C=Concentration	on, D=Depletion,	RM=Redu	ced Matrix, CS=Cove	red or Coated Sa	nd Grains. ² L	Location: PL=Pore L	ining, M=Matrix.	
	•						re clay); - = light (less clay)	
Hydric Soil Indicators	(Applicable to	all LRRs, ı	unless otherwise no	ted):		Indicators for P	roblematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S5)		2 cm Muck	(A10)	
Histic Epipedon (A	(2)		Stripped Matrix	•			Material (TF2)	
Black Histic (A3)	_,			Mineral (F1) (exce	ept MLRA 1)		w Dark Surface (TF12)	
Hydrogen Sulfide	(A4)		Loamy Gleyed	, , ,		 ·	ain in Remarks)	
Depleted Below D	, ,)	Depleted Matrix	. ,			,	
Thick Dark Surface	e (A12)		X Redox Dark Su	rface (F6)		3		
Sandy Mucky Mine	eral (S1)		Depleted Dark	Surface (F7)		•	drophytic vegetation and wetla be present, unless disturbed o	
Sandy Gleyed Ma	trix (S4)		Redox Depress	sions (F8)		problematic.	oo procent, ameed dictarbed o	'
Restrictive Layer (if p	present):							
Type:	none					Hydric Soil		
Depth (inches):	n/a					Present?	Yes X	No
Remarks:							·	
HYDROLOGY								
Wetland Hydrology Ir	ndicators:							
Primary Indicators (mir	nimum of one rea	uired: ched	k all that apply)			Secondary Indica	ators (2 or more required)	
Surface Water (A1			Water-Stained	Leaves (B9) (exc	ept MLRA	Water-Stain	ned Leaves (B9) (MLRA 1, 2,	
X High Water Table	•		1, 2, 4A, and		'	4A, and 4	` , ,	
X Saturation (A3)			Salt Crust (B11)		Drainage Pa	atterns (B10)	
Water Marks (B1)			Aquatic Inverte	brates (B13)		Dry-Season	Water Table (C2)	
Sediment Deposits	s (B2)		Hydrogen Sulfi	de Odor (C1)		Saturation \	/isible on Aerial Imagery (C9)	
Drift Deposits (B3))		Oxidized Rhizo	spheres along Li	ving Roots (C3)	Geomorphic	Position (D2)	
Algal Mat or Crust	(B4)		Presence of Re	educed Iron (C4)		Shallow Aqı	uitard (D3)	
Iron Deposits (B5)			Recent Iron Re	duction in Tilled	Soils (C6)	FAC-Neutra	al Test (D5)	
Surface Soil Crack	(s (B6)		Stunted or Stre	ssed Plants (D1)	(LRR A)	Raised Ant	Mounds (D6) (LRR A)	
Inundation Visible	on Aerial Imager	y (B7)	Other (Explain	in Remarks)		Frost-Heave	e Hummocks (D7)	
Sparsely Vegetate	ed Concave Surfa	ce (B8)						
Field Observations:								
Surface Water Presen	it? Yes		No X	Depth (inches	s):	Wetland		
Water Table Present?	Yes	Х	No	Depth (inches		Hydrology	Yes X	No
Saturation Present?	Yes	Х	No	Depth (inches	s): 7	Present?		
(includes capillary fring	ge)							
Describe Recorded D	Data (stream gau	ıge, monit	oring well, aerial ph	otos, previous i	nspections), if a	available:		
Remarks:								
1								

Project No.:

Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date:	11/	/1/2019
Applicant/Owner			<u> </u>		State: WA			/FW-11-SP1
Investigator(s):	A. Hoenig, A. Thom			{	Section, Township, Range:	 T21N R0)4E S16	
Landform (hillslop	oe, terrace, etc.):	depression	1	Local re	elief (concave, convex, none):	concave	Slope (%	%): <u>None</u>
Subregion (LRR): Northwest Forests and Coa	st (LRR A))	Lat: 47.303850	Lor	ng:122.302638	Datum:	NA	D 1983
Soil Unit (Name-	-ID-Hydric Rating): Alderwood	l gravelly sandy loam,	0 to 8 % slopes -	- AgB	- Not Hydric NWI	classification:	nor	ne
•	drologic conditions on the site ty	•			esNox	(If no, explain in	ı Remarks	3)
Are Vegetation	, Soil				re "Normal Circumstances" pre		Yes x	<u></u> No
Are Vegetation	Soil, Soil				f needed, explain any answers	•		
	OF FINDINGS – Attach	-		Int locations	, transects, important to	eatures, etc.		
	getation Present?	Yes X	No	Is the Sampl	led Area			
Hydric Soil Pres		Yes X	No	within a Wet	lland?	Na		
Precipitation:	Seattle Tacoma International N	Yes X	nrecipitation was al	<u> </u>	163 <u>X</u>	No	in Novemb	her
According to the	Seattle racoma international N	OAA weather station,	precipitation was at	bove the normal	range for the three months pric	of to the site visits in	ii Noveiii	Jei.
Remarks:								
PFO wetland SF	P, located east of 24th Ave. S							
VEGETATIO	N							
		Absolute	Dominant	Indicator	Dominance Test workshe	et:		
Tree Stratum	(Plot size: r=3m)	% Cover	Species?	<u>Status</u>	Number of Dominant Specie	es		
1. Populus bal	samifera	40%	Yes	FAC	That Are OBL, FACW, or FA	AC:	4	(A)
2.		<u> </u>					_	_
3.					Total Number of Dominant			
4.					Species Across All Strata:		6	(B)
		40% =	Total Cover					_
Sapling/Shrub	Stratum (Plot size: r=2m)				Percent of Dominant Specie	es		
1. Rubus lacin	iatus	25%	Yes	FACU	That Are OBL, FACW, or FA	AC:	<u>67%</u>	(A/B)
2. Spiraea dou	ıglasii	15%	Yes	FACW	Prevalence Index worksho			
 Lonicera inv 	volucrata	10%	No	FAC	Total % Cover of:	Multiply by:		
4. <u>Oemleria ce</u>	erasiformis	5%	No	FACU	OBL species	x 1 =		
5. <u>Cornus alba</u>	1	5%	No	FACW	FACW species	x 2 =		
	4 \	<u>70%*</u> =	Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
1. Ranunculus	repens	15%	Yes	FAC	UPL species	x 5 =		
2 <u>Phalaris aru</u>	ındinacea	5%	Yes	FACW	Column Totals:	(A)		(B)
3. Solanum du		1%	No	FAC	Prevalence Inde			
4 Geum macr	1 7	1%	No	FAC	Hydrophytic Vegetation In			
5. Epilobium c	iliatum	1%	No	FACW	1 - Rapid Test for Hydr		1	
6.					X 2 - Dominance Test is	4		
7.			-		3 - Prevalence Index is			
8.			·	-	4 - Morphological Adap	•		i
9.					data in Remarks or	•	91)	
10.			-	-	5 - Wetland Non-Vascu		المنماء	
11			Total Cover		Problematic Hydrophyt			
Woody Vine St	ratum (Plot size: <u>r=2m)</u>	=	Total Cover		Indicators of hydric soil and be present.	a welland nydrology	y musi	
Hedera heli.	<u> </u>	10%	Yes	FACU	be present.			
2.					Hydrophytic			
% Bare Ground	l in Herb Stratum 67%		Total Cover		Vegetation Ye Present?	es X No		_
Remarks:								
	ia, 5%, no, FACW							
	, 5%, no, FACU							
ground covered	by leaf litter							

Parametrix

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

US Army Corps of Engineers

Western Mountains, Valleys, and Coast Region (Version 2.0)

SOIL							Sampling Point:	
Profile Description	n (Describe to the de	epth neede	d to document the in	dicator or confir	m the absen	ce of indicators):		
Depth	Matrix			Redox Fe	atures			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/2	100	-					
5-7	2.5Y 4/2	85	2.5Y 6/2	10	D	M		
			10YR 5/6	5	С			
7-16	10YR 6/2	65	 -	·				
	10YR 4/2	20	10YR 4/6	15	С			
			 -	·				
Type: C=Concentra	ation, D=Depletion, R	M=Reduce	d Matrix, CS=Covered	I or Coated Sand	Grains. ² L	ocation: PL=Pore Lin	ing, M=Matrix.	
• •							e clay); - = light (less clay)	
			less otherwise noted				oblematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S5	•		2 cm Muck (A	<u>-</u>	
	(42)	-	Stripped Matrix (S	•			,	
Histic Epipedon Black Histic (A3		-	Loamy Mucky Min	•	MI DA 1)	Red Parent N	, ,	
`	•	-		. ,	WILIXA I)		Dark Surface (TF12)	
Hydrogen Sulfic	, ,	=	Loamy Gleyed Ma	` '		Other (Explai	n in Remarks)	
	Dark Surface (A11)	=	x Depleted Matrix (F					
Thick Dark Surf		-	Redox Dark Surfa			³ Indicators of hydr	ophytic vegetation and wetlan	ıd
Sandy Mucky M		-	Depleted Dark Su				present, unless disturbed or	
Sandy Gleyed N	viatrix (54)		Redox Depression	ns (FØ)		problematic.		
Restrictive Layer (i	•							
Type:	none					Hydric Soil		
Depth (inches):	none n/a					Hydric Soil Present?	Yes X	No
Depth (inches):						-	Yes X	No
Depth (inches): Remarks: HYDROLOGY	n/a					-	Yes X	No
Depth (inches): Remarks: HYDROLOGY	n/a					-	Yes X	No
Depth (inches): Remarks: HYDROLOGY Vetland Hydrology	n/a	red; check	all that apply)			Present?	Yes X	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology	n/a / Indicators: minimum of one requi	red: check	all that apply) Water-Stained Lea	aves (B9) (except	: MLRA	Present? Secondary Indicat		No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (in Surface Water (n/a / Indicators: minimum of one requi	red; check			: MLRA	Present? Secondary Indicat	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Primary Indicators (in Surface Water (n/a / Indicators: minimum of one requi	red: check	Water-Stained Lea		: MLRA	Present? Secondary Indicat Water-Staine	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (i Surface Water (i X High Water Tab	n/a / Indicators: minimum of one requi (A1) le (A2)	red: check	Water-Stained Lea	3)	: MLRA	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (i Surface Water (i X High Water Tab X Saturation (A3)	n/a / Indicators: minimum of one require (A1) lle (A2)	red: check - - -	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11)	3) ates (B13)	: MLRA	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10)	No
HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (x High Water Tab X Saturation (A3) Water Marks (B	n/a r Indicators: minimum of one require (A1) lle (A2) 1) sits (B2)	red: check - - - -	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra	ates (B13) Odor (C1)		Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9)	No
Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Primary Indicators (r Surface Water (r X High Water Tab X Saturation (A3) Water Marks (B Sediment Depo	n/a / Indicators: minimum of one required (A1) le (A2) 1) sits (B2) (B3)	red; check - - - -	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide	3) ates (B13) Odor (C1) heres along Living		Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2)	No
HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (x High Water Tab X Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E	n/a / Indicators: minimum of one requi (A1) le (A2) 1) sits (B2) 33) ust (B4)	red; check - - - - -	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl	ates (B13) Odor (C1) heres along Living iced Iron (C4)	g Roots (C3)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (r High Water Tab Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru	n/a / Indicators: minimum of one requi A1) le (A2) 1) sits (B2) 33) ust (B4)	red; check - - - - - -	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil	g Roots (C3) ls (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi X Geomorphic Shallow Aqui X FAC-Neutral	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (X High Water Tab X Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra	n/a / Indicators: minimum of one requi A1) le (A2) 1) sits (B2) 33) ust (B4)	- - - - - -	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF	g Roots (C3) ls (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)	No
HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (x High Water Tab x Saturation (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visib	n/a / Indicators: minimum of one requi A1) lle (A2) 1) sits (B2) 33) ust (B4) 85) acks (B6)	- - - - - - - (B7)	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF	g Roots (C3) ls (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (as a struction (A3)) Water Marks (B) Sediment Depo Drift Deposits (E) Algal Mat or Crulion Deposits (E) Surface Soil Cralinundation Visite Sparsely Vegeta	r Indicators: minimum of one requirements (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface	- - - - - - - (B7)	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF	g Roots (C3) ls (C6)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (as) X Saturation (A3) Water Marks (B) Sediment Depo Drift Deposits (E) Algal Mat or Cru Iron Deposits (E) Surface Soil Cra Inundation Visib Sparsely Vegeta Field Observations	n/a / Indicators: minimum of one required (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface	- - - - - - - (B7) - - - - -	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stressa Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks)	g Roots (C3) Is (C6) RR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (i	n/a / Indicators: minimum of one requi (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface seent? Yes	- - - - - - (B7) - 9 (B8)	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks) Depth (inches):	g Roots (C3) Is (C6) RR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (as) Water Marks (B) Sediment Depo Drift Deposits (E) Algal Mat or Cru Iron Deposits (E) Surface Soil Cra Inundation Visit Sparsely Vegets Field Observations Surface Water Preservations	n/a / Indicators: minimum of one requi A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface sent? Yes_ ate? Yes_	- - - - - - (B7) - e (B8)	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stressa Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks) Depth (inches):	g Roots (C3) Is (C6) RR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (as) Water Marks (B) Sediment Depo Drift Deposits (E) Algal Mat or Cru Iron Deposits (E) Surface Soil Cra Inundation Visib Sparsely Vegeta Field Observations Surface Water Presert Water Table Presert Saturation Presert	n/a / Indicators: minimum of one requi (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface sent? Yes mt? Yes Yes	- - - - - - (B7) - e (B8)	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks) Depth (inches):	g Roots (C3) Is (C6) RR A)	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visib Sparsely Vegets Field Observations Surface Water Presert Water Table Presert Saturation Presert (includes capillary fi	n/a / Indicators: minimum of one required (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface (Concave Surface (C	(B7) = (B8) x x	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks) Depth (inches): Depth (inches): Depth (inches):	g Roots (C3) Is (C6) RR A) 6 4	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology Present?	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visib Sparsely Vegets Field Observations Surface Water Presert Water Table Presert Saturation Presert (includes capillary fi	n/a / Indicators: minimum of one required (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface (Concave Surface (C	(B7) = (B8) x x	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stressa Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks) Depth (inches): Depth (inches): Depth (inches):	g Roots (C3) Is (C6) RR A) 6 4	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology Present?	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (A3) Water Marks (B Sediment Depo Drift Deposits (E Algal Mat or Cru Iron Deposits (E Surface Soil Cra Inundation Visib Sparsely Vegets Field Observations Surface Water Presert Water Table Presert Saturation Presert (includes capillary fi	n/a / Indicators: minimum of one required (A1) le (A2) 1) sits (B2) 33) ust (B4) 35) acks (B6) ble on Aerial Imagery ated Concave Surface (Concave Surface (C	(B7) = (B8) x x	Water-Stained Lea 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	ates (B13) Odor (C1) heres along Living iced Iron (C4) ction in Tilled Soil ed Plants (D1) (LF Remarks) Depth (inches): Depth (inches): Depth (inches):	g Roots (C3) Is (C6) RR A) 6 4	Secondary Indicat Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vi x Geomorphic Shallow Aqui x FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology Present?	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	

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Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date	: 1	1/1/2019
Applicant/Owner				<u> , , , , , ,</u>	State: WA	· · · · · · · · · · · · · · · ·		WFW-11-SP2
Investigator(s):	A. Hoenig, A. Thom			;	Section, Township, Range:		 R04E S16	
Landform (hillslop		hillslope		_	elief (concave, convex, none):		Slope (
Subregion (LRR)): Northwest Forests and Co	past (LRR A))	Lat: 47.303783	_	ng: -122.302703	Datum		AD 1983
Soil Unit (Name-	ID-Hydric Rating): Alde	erwood gravelly sandy loar	n, 0 to 8 % slopes -	- AgB	- Not Hydric NV	/I classification:	n	one
Are climatic / hyd	drologic conditions on the site	• • • • • • • • • • • • • • • • • • • •			es No x	(If no, explain	in Remar	ks)
Are Vegetation	, Soil				re "Normal Circumstances" p		Yes _	<u>x</u> No
Are Vegetation	, Soil				If needed, explain any answe	,		
	OF FINDINGS – Attach	site map showir	g sampling poi	int locations	s, transects, important	features, etc.		
	getation Present?	Yes		la the Samn	lad Araa			
Hydric Soil Pres		Yes	No <u>X</u>	Is the Samp	4110			
Wetland Hydrol	ogy Present?	Yes	No <u>X</u>	Within a we	tiand? Yes	No	<u> </u>	
Precipitation: According to the	Seattle Tacoma International	NOAA weather station	, precipitation was at	bove the norma	I range for the three months p	orior to the site visits	in Nover	nber.
Remarks:		0						
upland SP of WF	FW11. SP located east of 24th	Ave S						
VEGETATIO	N				T			
		Absolute	Dominant	Indicator	Dominance Test worksl			
Tree Stratum 1. Apar siraina	(Plot size: <u>r=3m)</u>	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Spe			
Acer circinal		50%	Yes	FAC	That Are OBL, FACW, or	FAC:	1	(A)
Pseudotsug	a menziesii	40%	Yes	FACU				
4.					Total Number of Dominar			
-					Species Across All Strata	<u> </u>	3	(B)
Sapling/Shrub S	Stratum (Plot size: <u>r=2m)</u>	90%	Total Cover		Percent of Dominant Spe	olog		
1		000/	V	FACIL	·		33%	(A /D)
Gaultheria s Corylus corr		<u>60%</u> 15%	Yes No	<u>FACU</u> FACU	That Are OBL, FACW, or Prevalence Index works		0070	(A/B)
3. Rubus lacini		10%	No	FACU	Total % Cover of:	Multiply by:		
Symphorical		5%	No	FACU	OBL species	x 1 =		
Mahonia nei	•	2%	No	FACU	FACW species	x 2 =	-	
wanoma noi	77000		= Total Cover	17100	FAC species	x 3 =		
Herb Stratum	(Plot size: r=1m)				FACU species	x 4 =		
1. Chamaenen	ion angustifolium (dead)	2%	No	FACU	UPL species	x 5 =	-	
2.	(Column Totals:	(A)	-	(B)
3.			<u> </u>		Prevalence In	dex = B/A =	-	
4.			<u> </u>		Hydrophytic Vegetation	Indicators:		
5.					1 - Rapid Test for Hy	drophytic Vegetatio	'n	
6.					2 - Dominance Test	is >50%		
7.					3 - Prevalence Index	c is ≤3.0 ¹		
8.					4 - Morphological Ad	daptations ¹ (Provide	supportin	ng
9.					data in Remarks	or on a separate sh	eet)	
10.					5 - Wetland Non-Va	scular Plants ¹		
11					Problematic Hydropl	nytic Vegetation (Ex	plain) ¹	
M	(DI-1-1 r=1m)	2%	Total Cover		¹ Indicators of hydric soil a	and wetland hydrolog	gy must	
Woody Vine Str 1. none	ratum (Plot size: r=1m)				be present.			
1. <u>none</u> 2.					Hydrophytic			
		0% =	Total Cover		Vegetation	Yes No	х	
% Bare Ground	in Herb Stratum 100				Present?			
Remarks:								
	1%, No, FACU							

Parametrix

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Depth (inches) Co	escribe to the depth ne		Sampling Point:	WFW-11-SF
(inches) Co		eded to document the indicator or confirm the abser	nce of indicators):	
0-2	Matrix	Redox Features		
	olor (moist) %	Color (moist) % Type ¹	Loc ² Texture	Remarks
2-5 7.	10YR 2/2 100			
	5YR 2.5/2 100			
5-16 7	7.5YR 3/4 100			some grave
Type: C=Concentratio	n, D=Depletion, RM=Rec	uced Matrix, CS=Covered or Coated Sand Grains. ² l	Location: PL=Pore Lining, M=Matrix.	
•		or loamy. Texture Modifier: co = coarse; f = fine; vf = ve		
		, unless otherwise noted):	Indicators for Problematic Hydric Soils ³ :	
Histosol (A1)		Sandy Redox (S5)	2 cm Muck (A10)	
Histic Epipedon (A2	2)	Stripped Matrix (S6)	Red Parent Material (TF2)	
Black Histic (A3)	-)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)	
Hydrogen Sulfide (A)	Δ4\		Other (Explain in Remarks)	
Depleted Below Da	,	Loamy Gleyed Matrix (F2)	Outer (Explain in Nemarks)	
Depleted Below Da Thick Dark Surface	* ,	Depleted Matrix (F3)		
Sandy Mucky Mine	. ,	Redox Dark Surface (F6) Depleted Dark Surface (F7)	³ Indicators of hydrophytic vegetation and wetla	
			hydrology must be present, unless disturbed o	r
Sandy Gleyed Matr	. ,	Redox Depressions (F8)	problematic.	
Restrictive Layer (if pr	•			
Type: nor	ne		Hydric Soil	
Depth (inches):	n/a		Present? Yes	No X
HYDROLOGY				
Wetland Hydrology Inc	dicators:			
Primary Indicators (mini	mum of one required; ch	eck all that apply)	Secondary Indicators (2 or more required)	
Surface Water (A1)	1	Water-Stained Leaves (B9) (except MLRA	Water-Stained Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)	
	,	0.11.0 (Drainage Patterns (B10)	
Saturation (A3)		Salt Crust (B11)		
Saturation (A3) Water Marks (B1)		Salt Crust (B11) Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)	
	(B2)	Aquatic Invertebrates (B13)	 `	
Water Marks (B1) Sediment Deposits	(B2)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3)	. ,	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (. ,	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5)	(B4)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks	B4) s (B6)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of	(B4) s (B6) on Aerial Imagery (B7)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of	B4) s (B6)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	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)	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Field Observations: Surface Water Present	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8) ? Yes	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	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	
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Field Observations: Surface Water Present?	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No x Depth (inches):	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	No X
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Field Observations: Surface Water Present Water Table Present? Saturation Present?	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8) ? Yes Yes Yes Yes	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No x Depth (inches): No x Depth (inches):	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	No X
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Field Observations: Surface Water Present?	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8) ? Yes Yes Yes Yes	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No x Depth (inches):	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	No X
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8) ? Yes Yes Yes Yes e)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No x Depth (inches):	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 Present?	No X
Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust (Iron Deposits (B5) Surface Soil Cracks Inundation Visible of Sparsely Vegetated Field Observations: Surface Water Present Water Table Present? Saturation Present? (includes capillary fring	(B4) s (B6) on Aerial Imagery (B7) d Concave Surface (B8) ? Yes Yes Yes Yes e)	Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) No x Depth (inches): No x Depth (inches):	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 Present?	No X

Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date	· 11/	19/2019
Applicant/Owner			Only/County:	r odorar rray,	State: WA			/FW-11-SP3
Investigator(s):	S. Krueger, A. Thom				Section, Township, Range:		R04E S16	
Landform (hillslop	•	flat		-	elief (concave, convex, none):	none): None
	: Northwest Forests and Coa		Lat: 47.304059	_	ng: -122.302397	Datum		D 1983
σ ,		vood gravelly sandy loar	•	– AgB	-	I classification:	nor	
•	drologic conditions on the site ty				es No x	(If no, explain i		
Are Vegetation	, Soil				re "Normal Circumstances" pr		Yes x	,
Are Vegetation	, Soil				f needed, explain any answer	s in Remarks.)		
SUMMARY C	OF FINDINGS - Attach	site map showir	g sampling poi	nt locations	s, transects, important	features, etc.		
	getation Present?	Yes X	No		•	,		
Hydric Soil Pres	ent?	Yes X	No	Is the Samp	led Area			
Wetland Hydrold		Yes X	No	within a We	tland? Yes X	No		
Precipitation: According to the	Seattle Tacoma International N	IOAA weather station		pove the norma	I range for the three months pi	ior to the site visits	in Novemb	oer.
	, located in NW corner of WFW	/11						
VEGETATIO	N							
		Absolute	Dominant	Indicator	Dominance Test worksh	eet:		
Tree Stratum	(Plot size: r=1m)	% Cover	Species?	<u>Status</u>	Number of Dominant Spec	cies		
1 none					That Are OBL, FACW, or	AC:	2	(A)
2.								
3.					Total Number of Dominan	t		
4					Species Across All Strata:		2	(B)
		0%=	Total Cover					
Sapling/Shrub S	Stratum (Plot size: r=1m)				Percent of Dominant Spec	cies		
1. Rubus arme	niacus	5%	Yes	FAC	That Are OBL, FACW, or	FAC:	<u>100%</u>	(A/B)
2.					Prevalence Index works	heet:		
3.					Total % Cover of:	Multiply by:		
4.					OBL species	x 1 =		
5.					FACW species	x 2 =		
		5%=	Total Cover		FAC species	x 3 =		
<u>Herb Stratum</u>	(Plot size: r=1m)				FACU species	x 4 =		
1. Phalaris arui	ndinacea	98%	Yes	FACW	UPL species	x 5 =		
2 Ranunculus	repens	2%	No	FAC	Column Totals:	(A)		(B)
3.			<u> </u>		Prevalence Ind	ex = B/A =		
4.					Hydrophytic Vegetation	Indicators:		
5.					1 - Rapid Test for Hy	drophytic Vegetatio	n	
6.					X 2 - Dominance Test i	s >50%		
7.					3 - Prevalence Index	is ≤3.0 ¹		
8.					4 - Morphological Ad	aptations ¹ (Provide	supporting	ı
9.					data in Remarks o	or on a separate she	eet)	
10.					5 - Wetland Non-Vas	cular Plants ¹		
11.					Problematic Hydroph	ytic Vegetation (Ex	plain) ¹	
		100%	Total Cover		¹ Indicators of hydric soil a			
Woody Vine Str	atum (Plot size: r=1m)				be present.			
1. <u>none</u>					Under history			
2			Total Course		Hydrophytic	Voe Y N-		
% Bare Ground	in Herb Stratum 0%		Total Cover		Vegetation Present?	Yes X No		<u> </u>
Remarks:								
ixemdiks:								

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SOIL							Sampling Point:	-
Profile Description	(Describe to the de	pth neede	d to document the in	ndicator or confi	rm the absen	ce of indicators):	· •	
Depth	Matrix			Redox Fe	eatures			
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/2	100				·	SaL	
2-10	10YR 3/2	90	10YR 5/6	10			SaL	
10-16	10YR 3/2	95	5Y 5/1	5			SaL	
	101110/2							
			-			-		
			 -			·		
			-					
Type: C=Concentrat	tion D=Depletion R	M=Reduce	ed Matrix, CS=Covered	d or Coated Sand	Grains ² L	ocation: PL=Pore Lini	ing M=Matrix	
•							e clay); - = light (less clay)	
			lless otherwise noted				oblematic Hydric Soils ³ :	
Histosol (A1)	、	ĺ	Sandy Redox (S5	,		2 cm Muck (A	-	
	(42)	-	Stripped Matrix (S				,	
Histic Epipedon (-	``	,	MIDA 1)	Red Parent M	,	
Black Histic (A3)		-	Loamy Mucky Mir	. , ,	IVILICA I)		Dark Surface (TF12)	
Hydrogen Sulfide	,	=	Loamy Gleyed Ma			Other (Explai	n in Remarks)	
	Dark Surface (A11)	=	Depleted Matrix (I					
Thick Dark Surface		=	x Redox Dark Surfa			³ Indicators of hydr	ophytic vegetation and wetlan	d
Sandy Mucky Mir		-	Depleted Dark Su				present, unless disturbed or	
Sandy Gleyed Ma		-	Redox Depression	ris (F8)		problematic.		
Restrictive Layer (if	present):							
Type: n	none					Hydric Soil		
Depth (inches):	n/a					Hydric Soil Present?	Yes X	No
Depth (inches): Remarks: ots of large rock on s	n/a					-	Yes X	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY	n/a surface					-	Yes X	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology	n/a surface					Present?		No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology	n/a surface	red; check	all that apply)			Present?	Yes X	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology	n/a surface Indicators:	red; check	all that apply)Water-Stained Le	.vaves (B9) (excep	t MLRA	Present? Secondary Indicate		No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A	n/a surface Indicators: ninimum of one requi	red; check			t MLRA	Present? Secondary Indicate	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A x High Water Table x Saturation (A3)	n/a surface Indicators: hinimum of one requint A1) e (A2)	red; check	Water-Stained Le 1, 2, 4A, and 4l Salt Crust (B11)	В)	it MLRA	Present? Secondary Indicate Water-Staine	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: Ots of large rock on s HYDROLOGY Vetland Hydrology I Primary Indicators (m Surface Water (A x High Water Table	n/a surface Indicators: hinimum of one requint A1) e (A2)	red; check - -	Water-Stained Le	В)	t MLRA	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A x High Water Table x Saturation (A3)	n/a surface Indicators: hinimum of one requi	red; check - - - -	Water-Stained Le 1, 2, 4A, and 4l Salt Crust (B11)	B) ates (B13)	t MLRA	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V	ors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1	n/a surface Indicators: hinimum of one requite A1) e (A2)) its (B2)	red; check - - - -	Water-Stained Le 1, 2, 4A, and 4l Salt Crust (B11) Aquatic Invertebra	B) ates (B13) Odor (C1)		Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9)	No
Depth (inches): Remarks: Ots of large rock on s HYDROLOGY Vetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposit	n/a surface Indicators: ninimum of one requited (A2)) its (B2)	red; check - - - - -	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide	B) ates (B13) Odor (C1) oheres along Livin		Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2)	No
Depth (inches): Remarks: Ots of large rock on s HYDROLOGY Netland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3)	n/a Indicators: Ininimum of one requited (A2) its (B2) st (B4)	red; check - - - - -	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp	B) ates (B13) Odor (C1) oheres along Livin uced Iron (C4)	g Roots (C3)	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season W Saturation Vis Geomorphic I	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus	n/a Indicators: Indicators: Ininimum of one require A1) In (A2) In (A2) In (A2) In (A2) In (A3) In (A3) In (A4) In (A	red: check - - - - - -	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu	B) ates (B13) Odor (C1) cheres along Livin uced Iron (C4) uction in Tilled Soi	g Roots (C3) ils (C6)	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac	n/a Indicators: Indicators: Ininimum of one require A1) In (A2) In (A2) In (A2) In (A2) In (A3) In (A3) In (A4) In (A	- - - - -	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	B) ates (B13) Odor (C1) wheres along Livin fuced Iron (C4) fuction in Tilled Soil fied Plants (D1) (L	g Roots (C3) ils (C6)	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)	No
Depth (inches): Remarks: Dots of large rock on s HYDROLOGY Vetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac Inundation Visible	Indicators: ininimum of one requi (A1) e (A2)) its (B2) 3) st (B4) 5) cks (B6)	- - - - - - - (B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	B) ates (B13) Odor (C1) wheres along Livin fuced Iron (C4) fuction in Tilled Soil fied Plants (D1) (L	g Roots (C3) ils (C6)	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: Ots of large rock on s HYDROLOGY Netland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac Inundation Visible Sparsely Vegetat	n/a surface Indicators: ninimum of one requitat) e (A2)) its (B2) 3) st (B4) 5) cks (B6) e on Aerial Imagery ted Concave Surface	- - - - - - - (B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	B) ates (B13) Odor (C1) wheres along Livin fuced Iron (C4) fuction in Tilled Soil fied Plants (D1) (L	g Roots (C3) ils (C6)	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposit Drift Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations:	n/a Indicators: Ininimum of one requited (A2) its (B2) 3) st (B4) 5) cks (B6) e on Aerial Imagery ted Concave Surface	- - - - - - (B7) - e (B8)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	B) ates (B13) Odor (C1) cheres along Livin uced Iron (C4) uction in Tilled Soi ed Plants (D1) (L Remarks)	g Roots (C3) ils (C6) RR A)	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B5 Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations: Surface Water Prese	n/a Indicators: Ininimum of one required (A2) its (B2) 3) Its (B4) Its (B4) Its (B6) Its (B6) Its on Aerial Imagery Ited Concave Surface	- - - - - - (B7) - (B8)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) Theres along Livin Luced Iron (C4) Luction in Tilled Soi Led Plants (D1) (L Remarks) Depth (inches):	g Roots (C3) ils (C6) RR A)	Secondary Indicate Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (AX) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crus Iron Deposits (B3) Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations: Surface Water Present	Indicators: Indica	(B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) Oheres along Livin Luced Iron (C4) Luction in Tilled Soi Led Plants (D1) (L Remarks) Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A)	Secondary Indicate Water-Stainee 4A, and 4B Drainage Pate Dry-Season W Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations: Surface Water Prese Water Table Present Saturation Present?	n/a Indicators: Ininimum of one required (A1) Indicators: Ininimum of one required (A2) Indicators: Ininimum of one required (A2) Indicators: Ininimum of one required (A2) Initial (B4) Ini	(B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) Theres along Livin Luced Iron (C4) Luction in Tilled Soi Led Plants (D1) (L Remarks) Depth (inches):	g Roots (C3) ils (C6) RR A)	Secondary Indicate Water-Staine 4A, and 4E Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (AX) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crus Iron Deposits (B3) Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations: Surface Water Present	n/a Indicators: Ininimum of one required (A1) Indicators: Ininimum of one required (A2) Indicators: Ininimum of one required (A2) Indicators: Ininimum of one required (A2) Initial (B4) Ini	(B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) Oheres along Livin Luced Iron (C4) Luction in Tilled Soi Led Plants (D1) (L Remarks) Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A)	Secondary Indicate Water-Stainee 4A, and 4B Drainage Pate Dry-Season W Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations: Surface Water Prese Water Table Present Saturation Present? (includes capillary frii	n/a Indicators: Ininimum of one required (A1) Indicators: Ininimum of one required (A2) Indicators: I	(B7) = (B8) x x	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	B) ates (B13) Odor (C1) cheres along Livin uced Iron (C4) uction in Tilled Soi ed Plants (D1) (L Remarks) Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A) 4.5	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology Present?	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	
Depth (inches): Remarks: ots of large rock on s HYDROLOGY Wetland Hydrology Primary Indicators (m Surface Water (A X High Water Table X Saturation (A3) Water Marks (B1 Sediment Deposits (B3 Algal Mat or Crus Iron Deposits (B3 Surface Soil Crac Inundation Visible Sparsely Vegetat Field Observations: Surface Water Prese Water Table Present Saturation Present? (includes capillary frii	n/a Indicators: Ininimum of one required (A1) Indicators: Ininimum of one required (A2) Indicators: I	(B7) = (B8) x x	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	B) ates (B13) Odor (C1) cheres along Livin uced Iron (C4) uction in Tilled Soi ed Plants (D1) (L Remarks) Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A) 4.5	Secondary Indicate Water-Staine 4A, and 4B Drainage Pat Dry-Season V Saturation Vis Geomorphic I Shallow Aquit x FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology Present?	ors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A) Hummocks (D7)	

Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date	e: 11	/19/2019
Applicant/Owner					State: WA			WFW-11-SP4
Investigator(s):	S. Krueger, A. Thom			;	Section, Township, Range:		R04E S16	
Landform (hillslop		road slop	e	_	elief (concave, convex, none):	none		%): 3-5%
Subregion (LRR): Northwest Forests and Coas	st (LRR A))	Lat: 47.304125	_	ng: -122.302397	 Datum		AD 1983
Soil Unit (Name-	-ID-Hydric Rating): Alderwo	ood gravelly sandy loar	n, 0 to 8 % slopes -	– AgB	-	classification:	no	one
Are climatic / hyd	drologic conditions on the site typ	oical for this time of	/ear?	Y	es No x	(If no, explain	in Remark	(s)
Are Vegetation	, Soil				re "Normal Circumstances" pre	esent?	Yes _	<u>x</u> No
Are Vegetation	, Soil				If needed, explain any answers	•		
SUMMARY (OF FINDINGS – Attach s	ite map showir	ng sampling poi	nt locations	s, transects, important	features, etc.		
Hydrophytic Ve	getation Present?	Yes X	No					
Hydric Soil Pres	sent?	Yes	No <u>X</u>	Is the Samp				
Wetland Hydrol	ogy Present?	Yes	No <u>X</u>	within a We	tland? Yes	No	Х	
Precipitation: According to the	Seattle Tacoma International N	DAA weather station	, precipitation was ab	oove the norma	I range for the three months pr	ior to the site visits	in Noven	nber.
Remarks:	/F14/4 1							
upland SP for W	FW11, located approx. 2m east	of 24th Ave S.						
VEGETATIO	N							
	4 >	Absolute	Dominant	Indicator	Dominance Test worksh			
Tree Stratum	(Plot size: <u>r=1m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant Spec	ies		
1. none					That Are OBL, FACW, or F	FAC:	3	(A)
2.								
3.					Total Number of Dominant	:		
4.					Species Across All Strata:		4	(B)
	4		= Total Cover					
Sapling/Shrub	Stratum (Plot size: r=1m)				Percent of Dominant Spec	ies		
1. Rubus arme		30%	Yes	<u>FAC</u>	That Are OBL, FACW, or F		<u>75%</u>	(A/B)
 Rubus spec 3. 	tabilis	5%	No	FAC	Prevalence Index worksh			
					Total % Cover of:	Multiply by:		
4					OBL species	x 1 =		
5					FACW species	x2=		
Herb Stratum	(Plot size: r=1m)	35%	= Total Cover		FAC species FACU species	x 3 =		
	(700/	.,	=+0	UPL species	x 4 =		
	is arundinaceus		Yes	FAC	Column Totals:	x 5 = (A)		(B)
-	•	10%	No No	FAC	Prevalence Ind	 ` ' '		(D)
- Gallatti apai		5%	Yes	FACU	Hydrophytic Vegetation			
 Phalaris aru 5. 	mumacea	5%	Yes	FACW	1 - Rapid Test for Hyd		าท	
6.					X 2 - Dominance Test is			
7.					3 - Prevalence Index			
8.					4 - Morphological Ada		supportir	na
9.						or on a separate sh		'9
10.					5 - Wetland Non-Vaso		,	
11.					Problematic Hydrophy		(plain) ¹	
-		90%	= Total Cover		¹ Indicators of hydric soil ar	,		
Woody Vine Str	ratum (Plot size: r=1m)				be present.	,	3,	
1. <u>none</u>								
2					Hydrophytic	v		
% Bare Ground	l in Herb Stratum 10%		= Total Cover		Vegetation \ Present?	res X No		_
,, Daie Gioulia	10%				Fiesellt			
Remarks:								

Parametrix

SOIL					Sampling Point:	WFW-11-SP
Profile Description (Describe to the depth	n needed to document the in	ndicator or co	nfirm the absen	ce of indicators):		
Depth Matrix		Redox	Features			
(inches) Color (moist)	% Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3 10YR 3/2 1	00				L	
3-17 10YR 3/2 9	98 10YR 6/6	2	C	M	L	
Turne Co-Comparison De Daniella DM-	Deduced Metric 00-0		21.0			
Type: C=Concentration, D=Depletion, RM=				ocation: PL=Pore Lir		
Texture: Sa = sand; Si = silt; C = clay; L = lo Hydric Soil Indicators (Applicable to all LF			t = tine; vt = very			
		,			oblematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S5			2 cm Muck (
Histic Epipedon (A2)	Stripped Matrix (S	S6)		Red Parent	Material (TF2)	
Black Histic (A3)	Loamy Mucky Mi	neral (F1) (exce	ept MLRA 1)	Very Shallov	v Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed M	latrix (F2)		Other (Expla	in in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix ((F3)				
Thick Dark Surface (A12)	Redox Dark Surfa	ace (F6)		3Indicators of b	rophytic vocatation and	nd
Sandy Mucky Mineral (S1)	Depleted Dark Su	urface (F7)			rophytic vegetation and wetla e present, unless disturbed or	
Sandy Gleyed Matrix (S4)	Redox Depressio	ons (F8)		problematic.	, III, samete stotal bod of	
Restrictive Layer (if present):						
Type: none				Hydric Soil		
Type: none Depth (inches): n/a				Hydric Soil Present?	Yes	No X
Type: none Depth (inches): n/a Remarks:				-	Yes	No X
Depth (inches): n/a				-	Yes	No X
Depth (inches): n/a				-	Yes	No X
Depth (inches): n/a Remarks:				-	Yes	No X
Depth (inches): n/a Remarks: HYDROLOGY	; check all that apply)			Present?	Yestors (2 or more required)	No X
Depth (inches): n/a Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required		- eaves (B9) (exc	ent MI RA	Present? Secondary Indica	tors (2 or more required)	No X
Depth (inches): n/a Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1)	Water-Stained Le		ept MLRA	Present? Secondary Indica Water-Staine	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2,	No X
Depth (inches): n/a Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stained Le		ept MLRA	Secondary Indica Water-Staine 4A, and 4	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B)	No X
Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	lB)	ept MLRA	Secondary Indica Water-Staine 4A, and 4 Drainage Pa	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10)	No X
Depth (inches): n/a Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	rates (B13)	ept MLRA	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2)	No X
Depth (inches): n/a Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide	rates (B13) e Odor (C1)		Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9)	No X
Depth (inches): n/a Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp	rates (B13) e Odor (C1) oheres along Li		Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No X
Depth (inches): n/a Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redu	rates (B13) e Odor (C1) oheres along Li uced Iron (C4)	ving Roots (C3)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3)	No X
Depth (inches): n/a Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp	rates (B13) e Odor (C1) oheres along Li uced Iron (C4)	ving Roots (C3)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3)	No X
Depth (inches): n/a Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr. Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3)	No X
Depth (inches): n/a Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr. Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	No X
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr. Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) Property of Control (C1) Property of C2) Property of C2) Property of C2 Property of	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Yes	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr. Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) Property of Control (C1) Property of C2) Property of C2 Property of C	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Per Indicators: Primary Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B5) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present?	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizospe Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in 188)	rates (B13) e Odor (C1) cheres along Li uced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant I Frost-Heave Wetland Hydrology	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No X
Per Indicators: Primary Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (B5) Field Observations: Surface Water Present? Water Table Present? Yes Water Table Present?	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr. Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	rates (B13) Property of Control (C1) Property of C2) Property of C2 Property of C	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Water Table Present? Yes Saturation Present? (includes capillary fringe)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizospe Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in 88) No x No x No x	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) s): s):	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant I Frost-Heave Wetland Hydrology Present?	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizospe Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in 88) No x No x No x	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) s): s):	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant I Frost-Heave Wetland Hydrology Present?	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Remarks: HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7 Sparsely Vegetated Concave Surface (BField Observations: Surface Water Present? Water Table Present? Yes Saturation Present? (includes capillary fringe)	Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizospe Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in 88) No x No x No x	rates (B13) c Odor (C1) cheres along Lir uced Iron (C4) uction in Tilled S sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) s): s):	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant I Frost-Heave Wetland Hydrology Present?	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) 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	DMFS and TDLE		City/County:	Federal Way,	Kina County	Sampling	g Date: 1	11/14/2019
Applicant/Owner:				<u> </u>		_		WFW-12-SP1
Investigator(s):	S. Krueger, A. Thom				Section, Township, Rang	ie: T	21N R04E S1	6
Landform (hillslope		stream be	nch	— Local re	elief (concave, convex, none			(%): None
	Northwest Forests and Coas		Lat: 47.307100		ng: -122.302974			NAD 1983
Soil Unit (Name-I			0 to 8 percent slopes -		- Not Hydric	NWI classification	n:	none
Are climatic / hyd	rologic conditions on the site typ	oical for this time of	year?	Y	es No	x (If no, ex	xplain in Rema	arks)
Are Vegetation	, Soil				re "Normal Circumstance	es" present?	Yes	Nox
Are Vegetation	, Soil <u>x</u>		 '		lf needed, explain any an		•	
SUMMARY O	F FINDINGS – Attach s	ite map showii	ng sampling poi	int locations	s, transects, impor	tant features,	etc.	
Hydrophytic Veg	etation Present?	Yes X	No					
Hydric Soil Prese	ent?	Yes X	No	Is the Samp				
Wetland Hydrolo	gy Present?	Yes X	No	within a Wet	tland? Yes_	X N	lo	
Precipitation: According to the	Seattle Tacoma International NC	DAA weather station	ı, precipitation was al	bove the normal	I range for the three mon	ths prior to the site	visits in Nove	ember.
Remarks:								
	for WFW-12. Associated with E : No hydric soils indicators, but r	•			•	-	37.	
	•	Absolute	Dominant	Indicator	Dominance Test wo	orksheet:		
Tree Stratum	(Plot size: r=1m)	% Cover	Species?	Status	Number of Dominant			
1. none	(That Are OBL, FACV	•	1	(A)
2.		_	-		111017110 0000, 17101	v, or 1710.	<u>.</u>	(/ ,/
3.					Total Number of Don	ninant		
4.					Species Across All S		1	(B)
-			= Total Cover					(-/
Sapling/Shrub S	tratum (Plot size: r=1m)				Percent of Dominant	Species		
1. none					That Are OBL, FACV	V, or FAC:	<u>100%</u>	(A/B)
2.					Prevalence Index w			
3.		<u> </u>			Total % Cover of	of: Multiply	by:	_
4.		<u> </u>			OBL species	x 1 =		
5.		<u> </u>			FACW species	x 2 =		
		0%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: r=1m)				FACU species	x 4 =		
1. Phalaris arun	ndinacea	90%	Yes	FACW	UPL species	x 5 =		
2. Ranunculus i	repens	5%	No	FAC	Column Totals:	(A)		(B)
3.					Prevalenc	ce Index = B/A =		·
4.					Hydrophytic Vegeta	ation Indicators:		
5.					1 - Rapid Test f	or Hydrophytic Ve	getation	
6.		<u> </u>			X 2 - Dominance	Test is >50%		
7.		<u> </u>			3 - Prevalence I	Index is ≤3.0 ¹		
8.		<u> </u>			4 - Morphologic	al Adaptations¹ (P	rovide support	ing
9					data in Rema	arks or on a separa	ate sheet)	
10					5 - Wetland Nor	n-Vascular Plants ¹		
11					Problematic Hyd	drophytic Vegetatio	on (Explain) ¹	
Woody Vine Stra	atum (Plot size: r=1m)	95%	= Total Cover		¹ Indicators of hydric s be present.	soil and wetland hy	ydrology must	
2.					Hydrophytic			
		0%	= Total Cover		Vegetation	Yes X	No	
% Bare Ground i	in Herb Stratum 5%				Present?			
Remarks:								
Remarks.								

Parametrix

SOIL		Sampling Point:	WFW-12-SP1
	ed to document the indicator or confirm the abser		
Depth Matrix	Redox Features		
(inches) Color (moist) %	Color (moist) % Type ¹	Loc ² Texture	Remarks
0-6 10YR 2/2 100		CL	OM - roots
7-17 5Y 4/1 100			roots throughout
	· —— —		
	· —— —		
	·		
¹ Type: C=Concentration, D=Depletion, RM=Reduc		Location: PL=Pore Lining, M=Matrix.	
	pamy. Texture Modifier: co = coarse; f = fine; vf = very		
Hydric Soil Indicators (Applicable to all LRRs, u	niess otherwise noted):	Indicators for Problematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)	
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2)	
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	x Other (Explain in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and wetla	nd
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	hydrology must be present, unless disturbed or	
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	problematic.	
Restrictive Layer (if present):			
Type: none		Hydric Soil	
Depth (inches): n/a		Present? Yes X	No
aquic moisture regime. Strong hydrophytic vegetati	on and hydrology and geomorphic position support th	e determination of wetland.	
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required; check	call that apply)	Secondary Indicators (2 or more required)	
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA	Water-Stained Leaves (B9) (MLRA 1, 2,	
x High Water Table (A2)	1, 2, 4A, and 4B)	4A, and 4B)	
x Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)	
x Water Marks (B1)	Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)	
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)	
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roots (C3)		
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)	Shallow Aquitard (D3)	
Iron Deposits (B5)	Recent Iron Reduction in Tilled Soils (C6)	x FAC-Neutral Test (D5)	
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)	
Inundation Visible on Aerial Imagery (B7)		Frost-Heave Hummocks (D7)	
	Other (Explain in Remarks)	Prost-neave numinocks (D1)	
Sparsely Vegetated Concave Surface (B8)			
Field Observations:			
Surface Water Present? Yes	No x Depth (inches):	Wetland	
Water Table Present? Yes x	No Depth (inches): 7	Hydrology Yes X	No
Saturation Present? Yes x (includes capillary fringe)	No Depth (inches): surface	Present?	
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, previous inspections), if	l available:	
Remarks:			

Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date:	11/14/2019
Applicant/Owner:					State: WA	· · ·	Point: WFW-12-SP2
Investigator(s):	S. Krueger, A. Thom				Section, Township, Range:		04E S16
Landform (hillslop		hillslope)	_	elief (concave, convex, none):	convex	Slope (%): >10%
	: Northwest Forests and Coas		Lat: 47.307101	_	ng: -122.302950	 Datum:	
• ,		* **	0 to 8 percent slopes -	_	-	I classification:	none
Are climatic / hyd	Irologic conditions on the site type	oical for this time of	year?	Y	es No x	(If no, explain i	n Remarks)
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed? A	re "Normal Circumstances" pr	esent?	Yes x No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (I	f needed, explain any answer	s in Remarks.)	
SUMMARY C	OF FINDINGS – Attach s	ite map showir	ng sampling poi	nt locations	s, transects, important	features, etc.	
Hydrophytic Veg	etation Present?	Yes X	No				
Hydric Soil Pres	ent?	Yes	No <u>X</u>	Is the Samp			
Wetland Hydrold	gy Present?	Yes	No <u>X</u>	within a We	tland? Yes	No	X
Precipitation: According to the Remarks:	Seattle Tacoma International N	OAA weather station	ı, precipitation was at	pove the norma	I range for the three months pi	rior to the site visits	in November.
Upland SP for W	FW-12. Located on fill slope nea	ar stream bench bet	ween OHWM flag LB	36 and 37.			
VEGETATIO	N				1		
		Absolute	Dominant	Indicator	Dominance Test worksh		
Tree Stratum	(Plot size: <u>r=1m)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant Spec	cies	
1. none					That Are OBL, FACW, or	=AC:	(A)
3.							
4.		<u> </u>			Total Number of Dominan		
4.					Species Across All Strata:		(B)
		0%	= Total Cover				
Sapling/Shrub S	Stratum (Plot size: r=1m)				Percent of Dominant Spec	cies	1000/
1. Rubus arme. 2.	niacus	1%	No	FAC	That Are OBL, FACW, or		<u>100%</u> (A/B)
3.					Prevalence Index works		
-					Total % Cover of:	Multiply by:	
4					OBL species	x 1 =	
5		_			FACW species	x 2 =	
	(DL (: r=1m)	1%	= Total Cover		FAC species	x 3 =	
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =	
1. Barbarea vu		5%	Yes	FAC	UPL species	x 5 =	(D)
2. <u>Festuca rubi</u>			Yes	FAC	Column Totals:	(A)	(B)
3. Ranunculus	repens	1%	no	FAC	Prevalence Ind		
4.					Hydrophytic Vegetation 1 - Rapid Test for Hy		_
5.					X 2 - Dominance Test i		1
6. 7.							
8.					3 - Prevalence Index		
9.					4 - Morphological Ad	or on a separate she	
10.							et)
11.					5 - Wetland Non-Vas Problematic Hydroph		Noin\ ¹
			- Total Caver				,
Woody Vine Str.	atum (Plot size: <u>r=1m)</u>	8%	= Total Cover		Indicators of hydric soil at be present.	nd wettand hydrolog	y must
2.					Hydrophytic		
% Bare Ground	in Herb Stratum 92%	0%	= Total Cover			Yes X No	
70 Date Ground	111 Herb Stratum 92%				Present?		
Remarks:					•		

Parametrix

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Depth Matrix	% Color (moist) 99 10YR 6/6 100 M=Reduced Matrix, CS=Covered	Redox Features % Type¹ <1 C	Loc ² M	Texture GrL Sa	Remarks sm-med gravel
Depth Matrix (inches) Color (moist) 0-11 10YR 4/3 11-16 10YR 4/3 *Type: C=Concentration, D=Depletion, RM *Texture: S = sand; Si = silt; C = clay; L = I *Hydric Soil Indicators (Applicable to all	% Color (moist) 99 10YR 6/6 100 M=Reduced Matrix, CS=Covered	Redox Features % Type¹ <1 C	Loc ²	GrL	
(inches) Color (moist) 0-11 10YR 4/3 11-16 10YR 4/3 11-16 10YR 4/3 1Type: C=Concentration, D=Depletion, RM Texture: S = sand; Si = silt; C = clay; L = H Hydric Soil Indicators (Applicable to all	99 10YR 6/6 100 M=Reduced Matrix, CS=Covered	% Type¹ <1 C		GrL	
0-11 10YR 4/3 11-16 10YR 4/3 11-16 10YR 4/3 1Type: C=Concentration, D=Depletion, RN 3Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all	99 10YR 6/6 100 M=Reduced Matrix, CS=Covered	<1 C		GrL	
11-16 10YR 4/3 1Type: C=Concentration, D=Depletion, RN 3Texture: S = sand; Si = silt; C = clay; L = I	100 M=Reduced Matrix, CS=Covered			_	sm-med gravel
¹ Type: C=Concentration, D=Depletion, RN ³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all	M=Reduced Matrix, CS=Covered	or Coated Sand Grains. ² Lc			siliffied gravei
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		or Coated Sand Grains. ² Lc			
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		or Coated Sand Grains. ² Lc			
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		or Coated Sand Grains. ² Lc			
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		or Coated Sand Grains. ² Lc			
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		or Coated Sand Grains. ² Lc			
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		or Coated Sand Grains. ² Lc			
³ Texture: S = sand; Si = silt; C = clay; L = I Hydric Soil Indicators (Applicable to all		l or Coated Sand Grains. ² Lo			
Hydric Soil Indicators (Applicable to all	loam or loamy. Texture Modifier.		ocation: PL=Pore Linin	-	
, , , ,	LDDs unless otherwise note:			•	
111 / 1/4/1	LRRs, unless otherwise noted	1):	Indicators for Prob	olematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A1	0)	
Histic Epipedon (A2)	Stripped Matrix (S	6)	Red Parent Ma	iterial (TF2)	
Black Histic (A3)	Loamy Mucky Mir	neral (F1) (except MLRA 1)	Very Shallow Γ	Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed Ma	atrix (F2)	Other (Explain	in Remarks)	
Depleted Below Dark Surface (A11)	Depleted Matrix (F	=3)			
Thick Dark Surface (A12)	Redox Dark Surfa	ice (F6)	31 11 1 61 1		
Sandy Mucky Mineral (S1)	Depleted Dark Su	rface (F7)		phytic vegetation and wetlar present, unless disturbed or	10
Sandy Gleyed Matrix (S4)	Redox Depression	ns (F8)	problematic.		
Restrictive Layer (if present):					
T			Hydric Soil		
Depth (inches): n/a			Present?	Yes	No X
			1 TOSCIICI		<u> </u>
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of one require	ed; check all that apply)		Secondary Indicato	rs (2 or more required)	
Surface Water (A1)	Water-Stained Le	aves (B9) (except MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)	1, 2, 4A, and 4E		4A, and 4B)		
Saturation (A3)	Salt Crust (B11)	-,	Drainage Patte		
Water Marks (B1)	Aquatic Invertebra	ates (B13)		ater Table (C2)	
Sediment Deposits (B2)	Hydrogen Sulfide		 ·	ble on Aerial Imagery (C9)	
Drift Deposits (B3)		heres along Living Roots (C3)	Geomorphic Po		
Algal Mat or Crust (B4)	Presence of Redu	'	Shallow Aquita	• •	
		` <i>'</i>	FAC-Neutral To		
• • • • • • • • • • • • • • • • • • • •	Recent Iron Redu	CHOIT III THICU CONS (CO)	I AO-Neuliai I	331 (D3)	
Iron Deposits (B5)	Recent Iron Redu	, ,	Paisad Ant Ma	undo (D6) (LDD A)	
Iron Deposits (B5) Surface Soil Cracks (B6)	Stunted or Stresse	ed Plants (D1) (LRR A)		ounds (D6) (LRR A)	
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I	Stunted or Stressor Other (Explain in l	ed Plants (D1) (LRR A)	Raised Ant Mo	` , ` ,	
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface	Stunted or Stressor Other (Explain in l	ed Plants (D1) (LRR A)		` , ` ,	
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations:	Stunted or Stresse B7) Other (Explain in l	ed Plants (D1) (LRR A) Remarks)	Frost-Heave H	` , ` ,	
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	Stunted or Stresson Other (Explain in leading) (B8)	ed Plants (D1) (LRR A) Remarks) Depth (inches):		` , ` ,	
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	Stunted or Stresson Other (Explain in lace) (B8)	ed Plants (D1) (LRR A) Remarks)	Frost-Heave H	` , ` ,	No <u>X</u>
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	Stunted or Stresse	ed Plants (D1) (LRR A) Remarks) Depth (inches):	Frost-Heave H	ummocks (D7)	No X
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Stunted or Stresse B7) Other (Explain in late) (B8) No x No x No x No x	ed Plants (D1) (LRR A) Remarks) Depth (inches): Depth (inches): Depth (inches):	Wetland Hydrology Present?	ummocks (D7)	No X
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge	Stunted or Stresse B7) Other (Explain in late) (B8) No x No x No x No x	ed Plants (D1) (LRR A) Remarks) Depth (inches): Depth (inches): Depth (inches):	Wetland Hydrology Present?	ummocks (D7)	No X
Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (I Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	Stunted or Stresse B7) Other (Explain in late) (B8) No x No x No x No x	ed Plants (D1) (LRR A) Remarks) Depth (inches): Depth (inches): Depth (inches):	Wetland Hydrology Present?	ummocks (D7)	No X

Project/Site: C	MFS and TDLE		City/County:	Federal Way	, King County	Sampling Date	te: 11/26/2019
Applicant/Owner:	Sound Transit				State:		ng Point: WFW-13-SP1
Investigator(s):	A. Thom, A. Hoenig			_	Section, Township, Ran	ge: T21N	R04E S16
Landform (hillslope	e, terrace, etc.):	ditch		Local r	elief (concave, convex, nor	ne): concave	Slope (%): <3%
Subregion (LRR):	Northwest Forests and Coast	t (LRR A))	Lat: 47.302502	_ Lo	ng: <u>-122.302818</u>	Datu	m: NAD 1983
Soil Unit (Name-II	D-Hydric Rating): Alderwood	gravelly sandy loam,	0 to 8 percent slopes -	AgB	- Not Hydric	NWI classification:	none
Are climatic / hydr	rologic conditions on the site typ		•		'esNo _		n in Remarks)
Are Vegetation	, Soil				Are "Normal Circumstand	·	Yes x No
Are Vegetation	, Soil				If needed, explain any a	,	
SUMMARY O	F FINDINGS – Attach si	te map showi	ng sampling poi	nt locations	s, transects, impo	rtant features, etc.	•
Hydrophytic Vege		Yes X	No	1- 41 0	I. d. A		
Hydric Soil Prese		Yes X	No	Is the Samp			
Wetland Hydrolog	gy Present?	Yes X	No	within a We	tiand? Yes_	X No_	
Precipitation: According to the S Remarks:	Seattle Tacoma International NC	AA weather statio	n, precipitation was ab	pove the norma	I range for the three mor	nths prior to the site visi	ts in November.
	n middle of ditch, which runs no	rth-south parallel t	o I-5. It is located sout	heast of S 333i	rd St.		
VEGETATION	l				.		
		Absolute	Dominant	Indicator	Dominance Test w	orksheet:	
Tree Stratum	(Plot size: <u>85cm^2)</u>	% Cover	Species?	<u>Status</u>	Number of Dominar	nt Species	
1. none					That Are OBL, FAC	W, or FAC:	(A)
2.							
3.					Total Number of Do	minant	
4.					Species Across All	Strata:	(B)
		0%	= Total Cover				
	tratum (Plot size: 85cm^2)				Percent of Dominan	t Species	
1. Rubus armen	niacus	5%	Yes	FAC	That Are OBL, FAC	W, or FAC:	<u>100%</u> (A/B)
2.					Prevalence Index v		
3.					Total % Cover	of: Multiply by:	
4.					OBL species	x 1 =	·
5.					FACW species	x 2 =	·
		5%	= Total Cover		FAC species	x 3 =	·
Herb Stratum	(Plot size: <u>85cm^2)</u>				FACU species	x 4 =	
1. none			<u> </u>		UPL species	x 5 =	
2.					Column Totals:	(A)	(B)
3.					Prevalen	ice Index = B/A =	
4.					Hydrophytic Veget	tation Indicators:	
5		<u> </u>			1 - Rapid Test	for Hydrophytic Vegetat	ion
6.		<u> </u>			X 2 - Dominance	Test is >50%	
7.			<u> </u>		3 - Prevalence	Index is ≤3.0 ¹	
8.					4 - Morphologi	cal Adaptations¹ (Provid	e supporting
9.					data in Rem	narks or on a separate s	heet)
10.		_			5 - Wetland No	n-Vascular Plants ¹	
11.		_			Problematic Hy	drophytic Vegetation (E	xplain) ¹
		0%	= Total Cover		¹ Indicators of hydric	soil and wetland hydrol	ogy must
Woody Vine Stra	tum (Plot size: 85cm x 1n	<u>n)</u>	•		be present.		
1. <u>none</u>			· —		Uhada a abada		
2			T + 10		Hydrophytic Vegetation	Yes X N	•
% Bare Ground i	n Herb Stratum 100%	0%	= Total Cover		Present?	Yes X N	
Remarks:							

Parametrix

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SOIL							Sampling Point	: WFW-13-SP1
	ion (Describe to the	depth neede	d to document the i	ndicator or co	onfirm the abse	nce of indicators):		
Depth	, Matri:	-			x Features	,		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/2	100					L	cobble and gravel
8-14	10YR 4/1	85	7.5YR 4/6	5			SaL	gravel
14-17	2.5Y 6/1	70	7.5YR 4/4	30	C	M	C	gravel
						 -		
					·			
					·			
								•
¹ Type: C=Concer	ntration, D=Depletion	, RM=Reduce	d Matrix, CS=Covere	d or Coated Sa	and Grains. 2	Location: PL=Pore Linir	ng, M=Matrix.	
³ Texture: S = san	d; Si = silt; C = clay; l	_ = loam or loa	amy. Texture Modifier	: co = coarse;			clay); - = light (less clay)	
			less otherwise note				blematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S5	5)		2 cm Muck (A	10)	
Histic Epiped		-	Stripped Matrix (S	•		Red Parent M	•	
Black Histic (-	Loamy Mucky Mi	•	cent MI RA 1)		Dark Surface (TF12)	
Hydrogen Su	*	-	Loamy Gleyed M		optime (1)	Other (Explain		
	ow Dark Surface (A1	- 1)	x Depleted Matrix (Other (Explain	in remains/	
Thick Dark Si		'/ <u>-</u>	Redox Dark Surfa					
Sandy Mucky	, ,	-	Depleted Dark Sun			•	phytic vegetation and wet	
Sandy Mucky		-	Redox Depressio			hydrology must be problematic.	present, unless disturbed	or
	. , ,	-	Redox Depressio	1115 (1-0)	1	problematic.		
Restrictive Layer								
	e: clay and gravel co	mpacted				Hydric Soil		
Depth (inches):	17	-				Present?	Yes X	No
HYDROLOGY								
Wetland Hydrolo								
Primary Indicators	s (minimum of one re	quired; check	all that apply)	-		Secondary Indicato	rs (2 or more required)	
Surface Wate	er (A1)	-	Water-Stained Le	eaves (B9) (ex	cept MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
High Water T	able (A2)		1, 2, 4A, and 4	B)		4A, and 4B)	l	
x Saturation (A		-	Salt Crust (B11)			Drainage Patte	erns (B10)	
Water Marks	(B1)	-	Aquatic Invertebr	ates (B13)		Dry-Season W	/ater Table (C2)	
Sediment De	posits (B2)	_	Hydrogen Sulfide	Odor (C1)		Saturation Vis	ible on Aerial Imagery (C9)
Drift Deposits	s (B3)	_	Oxidized Rhizosp	heres along L	iving Roots (C3)	x Geomorphic P	osition (D2)	
Algal Mat or 0	Crust (B4)	_	Presence of Red	uced Iron (C4)		Shallow Aquita	ard (D3)	
Iron Deposits	(B5)	_	Recent Iron Redu	uction in Tilled	Soils (C6)	FAC-Neutral T	est (D5)	
Surface Soil (Cracks (B6)	_	Stunted or Stress	sed Plants (D1) (LRR A)	Raised Ant Mo	ounds (D6) (LRR A)	
Inundation Vi	sible on Aerial Image	ry (B7)	Other (Explain in	Remarks)		Frost-Heave H	lummocks (D7)	
x Sparsely Veg	etated Concave Surf	ace (B8)				<u> </u>		
Field Observatio	ns:							
Surface Water Pr			No x	Depth (inche	s):	Wetland		
Water Table Pres			No x	Depth (inche		Hydrology	Yes X	No
Saturation Prese			No No	Depth (inche		Present?		
(includes capillar		^		Doput (morie		11036111:		
Describe Record	ded Data (stream ga	uge, monitor	ing well, aerial phot	os, previous i	inspections), if	available:		
Remarks:								

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Project/Site: C	MFS and TDLE		City/County:	Federal Way,	King County	Sampling D	ate: 1	1/26/2019
Applicant/Owner:	Sound Transit				State: V	NA Samp	ling Point:	WFW-13-SP2
Investigator(s):	A. Hoenig, M. Murphy			_ ;	Section, Township, Range	e: <u>T21</u>	N R04E S16	6
Landform (hillslope	e, terrace, etc.):	terrace		Local r	elief (concave, convex, none): <u>none</u>	Slope	(%): 3-5%
Subregion (LRR):	Northwest Forests and Coas	t (LRR A))	Lat: 47.302510	Lo	ng: <u>-122.302856</u>	Dat	:um:N	NAD 1983
Soil Unit (Name-II	D-Hydric Rating): Alderwood	l gravelly sandy loam,	0 to 8 percent slopes -	AgB	- Not Hydric	NWI classification:	r	none
•	ologic conditions on the site typ		•		esNo		ain in Rema	rks)
Are Vegetation	, Soil				re "Normal Circumstance	•	Yes _	x No
Are Vegetation	, Soil				If needed, explain any ans	ŕ		
	F FINDINGS – Attach s			nt locations	s, transects, import	ant features, et	c	
Hydrophytic Vege		Yes	No <u>X</u>	Is the Samp	lad Araa			
Hydric Soil Prese		Yes		within a Wet	tland?			
Wetland Hydrolog	gy Present?	Yes	No <u>X</u>	Within a vve	Tanur Yes	No_	X	
Precipitation: According to the S Remarks:	Seattle Tacoma International NO	OAA weather station	ı, precipitation was ab	pove the normal	I range for the three mont	hs prior to the site vi	sits in Nove	mber.
Upland SP for WF	W-13. Located west of SP-1 ar	nd west of the wetla	nd within the WSDOT	I-5 ROW.				
720217(1101	<u> </u>	Absolute	Dominant	Indicator	Dominance Test wo	rkshoot:		
Tree Stratum	(Plot size: <u>r=3m^2)</u>	% Cover	Species?	Status	Number of Dominant			
1. none	(1 101 0120.	<u>70 00 voi</u>	<u> </u>	<u>Otatao</u>	That Are OBL, FACW	•	1	(A)
2.					That Aic Obe, I Aov	, 01170.		(/-()
3.					Total Number of Dom	inant		
4.		<u> </u>			Species Across All St		2	(B)
			= Total Cover		opeolog / torogg / till ot	<u>-</u>		(5)
Sapling/Shrub St	tratum (Plot size: r=2m^2)				Percent of Dominant	Species		
Rubus armen	<u> </u>	100%	Yes	FAC	That Are OBL, FACW	·	<u>50%</u>	(A/B)
2.					Prevalence Index wo			
3.					Total % Cover of	f: Multiply by:		_
4.					OBL species	x 1 =		
5.					FACW species	x 2 =	-	
		100%	= Total Cover		FAC species	x 3 =	-	
Herb Stratum	(Plot size: r=1m^2)				FACU species	x 4 =	-	
Polystichum i	munitum	25%	Yes	FACU	UPL species	x 5 =	-	
2.					Column Totals:	(A)	-	(B)
3.					Prevalence	e Index = B/A =	-	
4.					Hydrophytic Vegeta	tion Indicators:		
5.					1 - Rapid Test fo	r Hydrophytic Veget	ation	
6.					2 - Dominance T	est is >50%		
7.					3 - Prevalence Ir	ndex is ≤3.01		
8.					4 - Morphologica	al Adaptations ¹ (Prov	ide supporti	ina
9.						rks or on a separate		
10.					5 - Wetland Non-	-Vascular Plants ¹		
11.			·			rophytic Vegetation	(Explain) ¹	
Woody Vine Stra	tum (Plot size: <u>r=2m^2)</u>	25%	= Total Cover		¹ Indicators of hydric s be present.			
1. <u>none</u>							- <u>-</u> -	·
2					Hydrophytic	V	NI	
% Bare Ground i	n Herb Stratum 75%		= Total Cover		Vegetation Present?	Yes	No <u>x</u>	
Remarks:								

Parametrix

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SOIL							Sampling Point:	WF	W-13-SP2
Profile Description	(Describe to the d	epth needed	to document the	indicator or confirm	n the absence	ce of indicators):			
Depth	Matrix			Redox Fea	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	F	Remarks
0-4	10YR 3/1	100					SaL		
4-8	10YR 4/2	100				· · ·	GSaL		
									
							-		
	_								
	_								
¹ Type: C=Concentra	tion, D=Depletion, F	RM=Reduced	Matrix, CS=Cove	red or Coated Sand G	Grains. ² Lo	ocation: PL=Pore Linir	ng, M=Matrix.		
							clay); - = light (less clay)		
Hydric Soil Indicato					,,		blematic Hydric Soils ³ :		
Histosol (A1)		,	Sandy Redox (,		2 cm Muck (A	-		
Histic Epipedon	(42)	_	Stripped Matrix			Red Parent Ma	,		
Black Histic (A3)		_		. (30) Mineral (F1) (except N	./II ΒΔ 1)		, ,		
Black Histic (A3) Hydrogen Sulfide			Loamy Gleyed		VILIVA 1)	Other (Explain	Dark Surface (TF12)		
, ,	ਰ (ਨ4) Dark Surface (A11)	_	Depleted Matrix			Other (Explain	iii Neillaiks)		
Thick Dark Surfa	, ,	_	Redox Dark Su	` ,					
Sandy Mucky Mi	* *	_	Depleted Dark	* *		· ·	phytic vegetation and wetla		
Sandy Gleyed M	` ,		Redox Depress			hydrology must be problematic.	present, unless disturbed or		
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		problematic.			
Restrictive Layer (if						Headada Oatt			
Type: _	gravel					Hydric Soil	V	NI -	v
Depth (inches):	8"					Present?	Yes	No_	X
HYDROLOGY									
Wetland Hydrology	Indicators:								
Primary Indicators (m	ninimum of one requ	ired; check al	l that apply)			Secondary Indicato	rs (2 or more required)		
Surface Water (A	\ 1)		Water-Stained	Leaves (B9) (except l	MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,		
High Water Table	e (A2)		1, 2, 4A, and	4B)		4A, and 4B)			
Saturation (A3)		_	Salt Crust (B11)		Drainage Patte	erns (B10)		
Water Marks (B1)		Aquatic Inverte	brates (B13)		Dry-Season W	/ater Table (C2)		
Sediment Depos	its (B2)	_	Hydrogen Sulfi	de Odor (C1)		Saturation Visi	ible on Aerial Imagery (C9)		
Drift Deposits (B	3)	_	Oxidized Rhizo	spheres along Living	Roots (C3)	Geomorphic P	osition (D2)		
Algal Mat or Cru	st (B4)	_	Presence of Re	educed Iron (C4)		Shallow Aquita	ard (D3)		
Iron Deposits (B	5)		Recent Iron Re	duction in Tilled Soils	(C6)	FAC-Neutral T	est (D5)		
Surface Soil Cra	cks (B6)	_	Stunted or Stre	ssed Plants (D1) (LR	R A)	Raised Ant Mo	ounds (D6) (LRR A)		
Inundation Visibl	e on Aerial Imagery	(B7)	Other (Explain	in Remarks)		Frost-Heave H	lummocks (D7)		
Sparsely Vegeta	ted Concave Surfac	ce (B8)							
Field Observations:								_	
Surface Water Prese	ent? Yes_	N	lo <u>x</u>	Depth (inches):		Wetland			
Water Table Present	t? Yes_	N	О Х	Depth (inches):		Hydrology	Yes	No_	X
Saturation Present?	Yes_	N	lo <u>x</u>	Depth (inches):		Present?			
(includes capillary fri	inge)								
Describe Recorded	l Data (stream gau	ge, monitorir	ng well, aerial ph	otos, previous inspe	ections), if a	vailable:			
				<u> </u>					
Remarks:			<u> </u>						

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Project/Site: ON	MFS and TDLE		City/County:	Federal Way/h	King	Sampling Date: 12/3/2019
Applicant/Owner:	Sound Transit				State: WA	Sampling Point: WFW-14-SP1
Investigator(s):				:	Section, Township, Range:	T21N R04E S16
Landform (hillslope, t	terrace, etc.):	slop	e	Local re	elief (concave, convex, none):	concave Slope (%): <3%
Subregion (LRR):	Northwest Forests and Coast	(LRR A))	Lat: 47.301029	Lor	ng:122.304361	Datum: NAD 1983
Soil Unit (Name-ID-	-Hydric Rating): Alderwood	gravelly sandy loam	n, 0 to 8 percent slopes -	AgB	- Not Hydric NWI	classification: none
Are climatic / hydro	logic conditions on the site typi	cal for this time o	f year?	Y	es x No	(If no, explain in Remarks)
Are Vegetation	, Soil	, or Hydrology	significantly dis	turbed? A	re "Normal Circumstances" pre	esent? Yes <u>x</u> No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (If	f needed, explain any answers	in Remarks.)
SUMMARY OF	FINDINGS - Attach sit	e map showi	ng sampling poin	t locations,	transects, important fe	atures, etc.
Hydrophytic Veget	ation Present?	Yes X	No			
Hydric Soil Presen	t?	Yes X	No	Is the Sampl	led Area	
Wetland Hydrology	/ Present?	Yes X	No	within a Wet	land? Yes <u>X</u>	No
Precipitation:						
	eattle Tacoma International NO	AA weather station	n, precipitation was wit	hin the normal r	ange for the three months prior	to the site visit in December.
Remarks:						
regularly maintaine		ys water stormwa	ter from the condo com	plex south to the	e East Fork Hylebos Creek Trit	o 0016A through a pipe. Vegetation is
regularly maintaine	u.					
VEGETATION						
		Absolute	Dominant	Indicator	Dominance Test workshe	et:
Tree Stratum	(Plot size: r=3m)	% Cover	Species?	<u>Status</u>	Number of Dominant Speci	es
1. none					That Are OBL, FACW, or F	AC: 2 (A)
2.		_				
3.		_			Total Number of Dominant	
4.		_			Species Across All Strata:	2 (B)
			= Total Cover			(-)
Sapling/Shrub Str	atum (Plot size: r=2m)		_		Percent of Dominant Speci	es
1. none					That Are OBL, FACW, or F	4000/
2.					Prevalence Index worksh	
3.					Total % Cover of:	
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 =
Poa pratensis	(1.101.01201	55%	Yes	FAC	UPL species	x 5 =
Ranunculus re	none	30%	Yes	FAC	Column Totals:	(A) (B)
3.	pens		res	FAC	Prevalence Ind	 '''
4.					Hydrophytic Vegetation I	
5.					1 - Rapid Test for Hyd	
6.					X 2 - Dominance Test is	
7.					3 - Prevalence Index i	
8.						
9.						ptations¹ (Provide supporting
						r on a separate sheet)
10.					5 - Wetland Non-Vaso	
11.						rtic Vegetation (Explain∮
We sale Vin a Charle	um (Plot size: <u>r=2m)</u>	85%	_ = Total Cover		¹ Indicators of hydric soil and	d wetland hydrology must
Woody Vine Stratu 1. none	um (Plot Size. 1—2111)				be present.	_
2.		_	_		Hydrophytic	
		0%	= Total Cover		Vegetation Y	es X No
% Bare Ground in	Herb Stratum 15%		_		Present?	
Remarks:						

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SOIL							San	npling Point:	WFW-14-SP1
	(Describe to the de	epth needed t	o document the	indicator or conf	firm the absence	ce of indicators):			
Depth	Matrix			Redox	Features	•			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	е	Remarks
0-3	10YR 4/2	100					L		
3-13	2.5Y 4/2	90	7.5YR 5/8	10		M/PL	SaL		oxidiz. Rhizo.; cobbles
						·			
¹ Type: C=Concentra	ation, D=Depletion, R	M=Reduced M	Matrix CS=Cover	ed or Coated San	d Grains ² Loc	cation: PL=Pore Lining,	M=Matrix		
	•					ine; + = heavy (more cl		ess clav)	
Hydric Soil Indicate						Indicators for Prol		•	
Histosol (A1)			Sandy Redox (S5)		2 cm Muck (A	-		
Histic Epipedon	(A2)	_	Stripped Matrix			Red Parent Ma	•		
Black Histic (A3)	* *		_	Mineral (F1) (exce	pt MLRA 1)	Very Shallow I		(TF12)	
Hydrogen Sulfid			Loamy Gleyed		,	Other (Explain		,	
	Dark Surface (A11)	x	Depleted Matri	, ,			,		
Thick Dark Surfa	ace (A12)		_ _Redox Dark Su	ırface (F6)		3			
Sandy Mucky M	ineral (S1)	_	Depleted Dark	Surface (F7)		Indicators of hydro hydrology must be			
Sandy Gleyed M	latrix (S4)	_	_Redox Depress	sions (F8)		problematic.	, , , , , , , , , , , , , , , , , , , ,		
Restrictive Layer (it	f present):								
Type:	cobbles compaction					Hydric Soil			
Depth (inches):	13					Present?	Yes	X	No
Remarks:									
HYDROLOGY									
Wetland Hydrology	Indicators:								
Primary Indicators (n	ninimum of one requ	ired; check all	that apply)			Secondary Indicato	rs (2 or more	required)	
Surface Water (A1)		Water-Stained	Leaves (B9) (exce	ept MLRA	Water-Stained	Leaves (B9)	(MLRA 1, 2,	
High Water Tabl	le (A2)		 1, 2, 4A, and			4A, and 4B)			
Saturation (A3)			_Salt Crust (B11)		Drainage Patte	erns (B10)		
Water Marks (B	1)		_Aquatic Inverte	brates (B13)		Dry-Season W	ater Table (C	2)	
Sediment Depos	sits (B2)	_	Hydrogen Sulfi	de Odor (C1)		Saturation Visi	ble on Aerial	Imagery (C9)	
Drift Deposits (B	33)	x	_Oxidized Rhizo	spheres along Liv	ing Roots (C3)	x Geomorphic P	osition (D2)		
Algal Mat or Cru	ıst (B4)	_	_Presence of Re	educed Iron (C4)		Shallow Aquita	ard (D3)		
Iron Deposits (B	5)	_	_Recent Iron Re	duction in Tilled S	oils (C6)	FAC-Neutral T	est (D5)		
Surface Soil Cra	icks (B6)		_Stunted or Stre	essed Plants (D1) ((LRR A)	Raised Ant Mo			
	le on Aerial Imagery	· · · —	_Other (Explain	in Remarks)		Frost-Heave H	ummocks (D	7)	
Sparsely Vegeta	ated Concave Surfac	e (B8)							
Field Observations	:								
Surface Water Pres	ent? Yes_	No	<u> х</u>	Depth (inches):	Wetland			
Water Table Presen	_		ox	Depth (inches		Hydrology	Yes_	Х	No
Saturation Present? (includes capillary fr		No	ox	Depth (inches):	Present?			
Describe Recorded	d Data (stream gauç	ge, monitoring	well, aerial pho	otos, previous ins	spections), if av	/ailable:			
Remarks:	nivos starrometer in	ut Ovidina d al-	izoonhoree et C"						
SP in swale that rece	sives storrilwater inp	ut. Oxidized M	izospiieres at 3"						

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Applicant/Owner Applicant/	Project/Site: O	DMFS and TDLE		City/County:	Federal Way	King	Sampling D	Date: 1	2/3/2019
Landlong (allektyse, leverace setc.) Selege Selege						-	_	_	
Landlong (allektyse, leverace setc.) Selege Selege	Investigator(s):	T. Parry, A. Thom				Section, Township, Rang	 je: T21	IN R04E S16	
Submignior (LRR): Northwest Froets and Coset (LRR A) Lat. 47.300974 Let. Let		•	slope		– Local	· -			
Not Name-III									IAD 1983
Ave climatic / hydrologic conditions on the site hydrology	- , ,	,	**	•	_				
Sol	Are climatic / hydro				Y	'es x No	(If no, expl:	ain in Remar	ks)
And Vegetatation	Are Vegetation	, Soil	, or Hydrology	significantly dis		Are "Normal Circumstance	es" present?	Yes _	X No x
Hydrophytic Vegetation Present? Yes	Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (If needed, explain any an	swers in Remarks.)		
No	SUMMARY OF	F FINDINGS - Attach site	map showir	ng sampling poin	t locations,	transects, importa	nt features, etc.		
Wedand Hydrology Present? Yes	Hydrophytic Vege	etation Present?	Yes X	No					
Percentation Perc	Hydric Soil Prese	nt?	Yes	No X	Is the Samp	led Area			
According to the Seattle Tacoma International NOAA weather station, precipitation was within the normal range for the three months prior to the site visit in December. Remarks: Upland SP to WFW-14. Located to the east of SP-1 and east of the wetland. It is uplope of the swale. Vegetation regularly maintained and mowed. VEGETATION Number of Dominant Species Status Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)	Wetland Hydrolog	gy Present?	Yes	No X	within a We	tland? Yes_	No	Х	
VEGETATION		Seattle Tacoma International NOAA	weather station	n, precipitation was wit	hin the normal	range for the three month	s prior to the site visi	t in Decembe	er.
Absolute		W-14. Located to the east of SP-1 a	and east of the v	wetland. It is uplope of	the swale. Veg	etation regularly maintain	ied and mowed.		
Number of Dominant Species	VEGETATION	i							
Number of Dominant Species			Absolute	Dominant	Indicator	Dominance Test wo	rksheet:		
1. none 2.	Tree Stratum	(Plot size: r=3m)							
2. 3.	1	(10101201	<u>70 30151</u>	<u> </u>	<u> </u>		•	1	(A)
Species Across All Strata: 1 (Feb. 1997) Sapling/Shrub Stratum (Plot size: F2m) Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (Are of the content			-			That Aire OBE, I NOW	v, or 170.		('')
Species Across All Strata: 1 CE	3.			· -		Total Number of Dom	ninant		
Sapling/Shrub Stratum	4.		-					1	(B)
Percent of Dominant Species			0%	= Total Cover		Species Across Air Si			(D)
1. none That Are OBL, FACW, or FAC: 100% (A 2. 3. 4. 5. 5. 6. 6. 6. 6. 7. 8. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	Sanling/Shrub St	tratum (Plot size: r=2m)		- Total Cover		Percent of Dominant	Species		
Thick The Color The Col	1	(100.0120.					•	100%	(A/B)
Total % Cover of: Multiply by:	Hone			·					(AVD)
4.			-	<u> </u>				:	
FACW species x 2 = Herb Stratum (Plot size: r=1m) 1. Poa pratensis 50% Yes FAC UPL species x 4 = 2. Pteridium aquilinum 10% No FACU Column Totals: (A) 3. 4. 4. Hydrophytic Vegetation Indicators: 5. 1 - Rapid Test for Hydrophytic Vegetation 6. X 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤ 3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)¹ ¹Indicators of hydric soil and wetland hydrology must be present.	4		-						•
Herb Stratum			-						
FACU species x 4 =	J			= Total Cover					
1. Poa pratensis 50% Yes FAC UPL species x 5 = 2. Pteridium aquilinum 10% No FACU Column Totals: (A) 3. Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 6. X 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤3.0¹ 8. 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain¹) Woody Vine Stratum (Plot size: I=2m).	Herb Stratum	(Plot size: r=1m)	076	- Total Cover		<u> </u>			
2. Pteridium aquilinum 10% No FACU Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10		,							
3. Prevalence Index = B/A = 4. Hydrophytic Vegetation Indicators: 5. 1 - Rapid Test for Hydrophytic Vegetation 6. X 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain)³ Woody Vine Stratum (Plot size: I=2m). Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain)³ 1 Indicators of hydric soil and wetland hydrology must be present.	- r ou pratorioio								(P)
4. Hydrophytic Vegetation Indicators: 5. 1 - Rapid Test for Hydrophytic Vegetation 6. X 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain)³ Woody Vine Stratum (Plot size: [=2m).		illinum	10%	No	<u> FACU</u>	_			(B)
5.	-								
X 2 - Dominance Test is >50% 7. 3 - Prevalence Index is ≤3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain³) 10. 60% = Total Cover Indicators of hydric soil and wetland hydrology must be present.			-			' ' ' '		ation	
7. 3 - Prevalence Index is ≤3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain)³ 11. Orbitation (Explain)³ 11. Indicators of hydric soil and wetland hydrology must be present.	-			· ·				auUII	
8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants¹ 11. Problematic Hydrophytic Vegetation (Explain¹) 12. 60% = Total Cover Woody Vine Stratum (Plot size: I=2m). 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants¹ Problematic Hydrophytic Vegetation (Explain¹) 1Indicators of hydric soil and wetland hydrology must be present.	-								
9. data in Remarks or on a separate sheet) 10. 5 - Wetland Non-Vascular Plants ¹ 11. Problematic Hydrophytic Vegetation (Explain) 60% = Total Cover Woody Vine Stratum (Plot size: I=2m) data in Remarks or on a separate sheet) 5 - Wetland Non-Vascular Plants ¹ Problematic Hydrophytic Vegetation (Explain) 1Indicators of hydric soil and wetland hydrology must be present.	-			· ——					
10	-			<u> </u>			. ,	• • • • • • • • • • • • • • • • • • • •	9
11. Problematic Hydrophytic Vegetation (Explain) 60% = Total Cover 1Indicators of hydric soil and wetland hydrology must be present.	-			· ——				sneet)	
Woody Vine Stratum (Plot size: r=2m)				<u> </u>				4	
Woody Vine Stratum (Plot size: r=2m) be present.	11			· ——					
II. HOHE		tum (Plot size: <u>r=2m)</u>	60%	= Total Cover		1	oil and wetland hydro	ology must	
2. Hydrophytic				-		Hydrophytic			
0% = Total Cover Vegetation Yes X No	·		0%	= Total Cover			Yes X	No	
% Bare Ground in Herb Stratum 40% Present?	% Bare Ground in	n Herb Stratum 40%		-		_			
Remarks: vegetation regularly maintained and mowed.		ly maintained and mowed.							

Parametrix

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Profile Description (Describe to the depth needed to document the indicator or confirm the Depth Matrix Redox Feature (inches) Color (moist) % Color (moist) % Tolor (moist) %	Texture
(inches) Color (moist) % Color (moist) % T 0-2 10YR 3/3 100	Type¹ Loc² Texture Remarks CL CL C M GrCL ins. ²Location: PL=Pore Lining, M=Matrix. vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils³:
(inches) Color (moist) % Color (moist) % T 0-2 10YR 3/3 100	Type¹ Loc² Texture Remarks CL CL C M GrCL ins. ²Location: PL=Pore Lining, M=Matrix. vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils³:
0-2 10YR 3/3 100 2-4 10YR 4/6 100 4-11 2.5Y 5/3 97 2.5Y 5/4 3 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLf	CL CL CL C M GrCL ins. ² Location: PL=Pore Lining, M=Matrix. vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
2-4 10YR 4/6 100 4-11 2.5Y 5/3 97 2.5Y 5/4 3 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLf	ins. ² Location: PL=Pore Lining, M=Matrix. vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
4-11 2.5Y 5/3 97 2.5Y 5/4 3 1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain 3Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLf	ins. ² Location: PL=Pore Lining, M=Matrix. vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A2) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLf	ins. ² Location: PL=Pore Lining, M=Matrix. vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A2) Black Histic (A3) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A2) Black Histic (A3) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A2) Black Histic (A3) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Texture: S = sand; Si = silt; C = clay; L = loam or loamy. Texture Modifier: co = coarse; f = fine; Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Histosol (A2) Black Histic (A3) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	vf = very fine; + = heavy (more clay); - = light (less clay) Indicators for Problematic Hydric Soils ³ :
Hydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLf	Indicators for Problematic Hydric Soils ³ :
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6) Black Histic (A3) Loamy Mucky Mineral (F1) (except MLf	•
Histic Epipedon (A2) Black Histic (A3) Stripped Matrix (S6) Loamy Mucky Mineral (F1) (except MLf	2 cm Muck (Δ10)
Black Histic (A3) Loamy Mucky Mineral (F1) (except MLF	
	Red Parent Material (TF2)
Hydrogen Sulfide (A4) Loamv Gleved Matrix (F2)	RA 1) Very Shallow Dark Surface (TF12)
	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Matrix (F3)	
Thick Dark Surface (A12)Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and wetland
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7)	hydrology must be present, unless disturbed or
Sandy Gleyed Matrix (S4) Redox Depressions (F8)	problematic.
Restrictive Layer (if present):	
Type: compaction	Hydric Soil
Depth (inches): 11	Present? Yes No X
HYDROLOGY	
Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Water-Stained Leaves (B9) (except ML	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2) 1, 2, 4A, and 4B)	4A, and 4B)
Saturation (A3) Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1) Aquatic Invertebrates (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Oxidized Rhizospheres along Living Ro	oots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)Presence of Reduced Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C	C6)FAC-Neutral Test (D5)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A	A) Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)	
Field Observations:	Wetland
Surface Water Present? Yes Nox Depth (inches):	
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches):	
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches):	
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches):	Present?
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)	Present?
Surface Water Present? Yes No x Depth (inches): Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches): (includes capillary fringe)	Present?

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

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Project/Site: Of	MFS and TDLE		City/County:	Federal Way	/King	Sampling	Date:	12/3/2019
Applicant/Owner:	Sound Transit							WFW-14-SP3
Investigator(s):	T. Parry, A. Thom				Section, Township, Rang	 ge: T2	- 1N R04E S1	6
Landform (hillslope,		depressi	on	 Local :	relief (concave, convex, none	-	Slope	
Subregion (LRR):	Northwest Forests and Co	ast (LRR A))	Lat: 47.300822		ong: -122.304254		atum:	NAD 1983
Soil Unit (Name-ID	-Hydric Rating): Alderwo	ood gravelly sandy loam,	0 to 8 percent slopes -	 AgB	- Not Hydric	NWI classification:		none
Are climatic / hydro	logic conditions on the site t	typical for this time of	/ear?	Y	'es x No	(If no, exp	lain in Rema	ırks)
Are Vegetation	, Soil	, or Hydrology	significantly dis		Are "Normal Circumstance	es" present?	Yes	No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (If needed, explain any an	swers in Remarks.)		
SUMMARY OF	FINDINGS - Attach	site map showin	g sampling poin	t locations,	transects, importa	nt features, etc	•	
Hydrophytic Veget	ation Present?	Yes X	No					
Hydric Soil Presen	it?	Yes	No X	Is the Samp	led Area			
Wetland Hydrology	y Present?	Yes	No X	within a We	tland? Yes_	No	X	
Precipitation: According to the Se	eattle Tacoma International	NOAA weather statior	, precipitation was wit	thin the normal	range for the three month	s prior to the site vis	sit in Decemb	oer.
Remarks: Upland SP in slight	depression north of S 336th	n St, east of wetland V	/FW-14, and west of t	the apartment b	uilding cross road.			
İ								
VEGETATION								
		Absolute	Dominant	Indicator	Dominance Test wo	orksheet:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	Status	Number of Dominant			
Alnus rubra	(**************************************	100%	Yes	FAC	That Are OBL, FACV	•	3	(A)
2.		10070	103	1710	That AIC OBE, I AOV	v, or 17.0.		(//)
3.					Total Number of Don	ninant		
4.					Species Across All S		3	(B)
		100%	= Total Cover		Species Across Air S	ııaıa.		(B)
Sapling/Shrub Str	ratum (Plot size: r=2m)	100%	- Total Cover		Percent of Dominant	Species		
1		400/	V	E40		•	100%	(A (D)
Acer circinatur		40%	Yes	<u>FAC</u>	That Are OBL, FACV Prevalence Index w		10070	(A/B)
Rubus armenia3.	acus	40%	Yes	<u>FAC</u>	Total % Cover of		v:	
4.					OBL species	x 1 =	, .	_
5.					FACW species	x 2 =		
J					FAC species	x 3 =		
Herb Stratum	(Plot size: r=1m)	80%	= Total Cover		FACU species	x 4 =		
	(Plot Size. I IIII)				UPL species	x 5 =		
1. <u>none</u>					Column Totals:		-	
2.					<u> </u>	(A)		(B)
3.						ce Index = B/A =		
4.					Hydrophytic Vegeta		4-4:	
5.						or Hydrophytic Vege	lation	
6.					X 2 - Dominance			
7.					3 - Prevalence I			
8.						al Adaptations¹ (Prov		ng
9.					data in Rema	arks or on a separat	e sheet)	
10.					5 - Wetland Nor	n-Vascular Plants ¹		
11					Problematic Hyd	drophytic Vegetation	(Explain)	
	(D) (: r=2m)	0%	= Total Cover		¹ Indicators of hydric s	soil and wetland hyd	rology must	
Woody Vine Strate	um (Plot size: r=2m)				be present.			
1. <u>none</u> 2.					Hydrophytic			
			= Total Cover		Vegetation	Yes X	No	
% Bare Ground in	Herb Stratum 100		. 5.2. 50707		Present?		-	
Remarks:					1			
leaf litter covering of	ground							

Parametrix

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Profile Description (Describe to the depth needed to document the indicator or centiff mit he absence of indicators): Depth	SOIL					
General Color (monst) % Color (monst) % Type Loc Toxase Remarks	Profile Description (Describe to the depth	needed to document the indica	ator or confirm the absenc	e of indicators):		
Control Cont	Depth Matrix		Redox Features			
Type: C=Concentration, D=Depletion, RM=Reduced Metrix, CS=Covered or Ceated Sand Grains, ************************************	(inches) Color (moist)	% Color (moist)	% Type ¹	Loc ²	Texture	Remarks
Textures 2s = sand; Si = silt C = clary L = learn or fearmy. Texture Modifier co = coarse; f = fine; v = very fine; + = heavy fines clay) Histosol (A1)	0-17 10YR 2/2 1	00			L	
Texture: S= sand; Si= sill: Q= clary; L= learn or learny. Texture Modifier: on= course; f= fine; vf= very fine; += heavy (more clay); -= light (less day) lydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histos (A1)						
Texture: S= sand; Si= sill: Q= clary; L= learn or learny. Texture Modifier: on= course; f= fine; vf= very fine; += heavy (more clay); -= light (less day) lydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histos (A1)						
Texture: S= sand; Si= sill: Q= clary; L= learn or learny. Texture Modifier: on= course; f= fine; vf= very fine; += heavy (more clay); -= light (less day) lydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histos (A1)						
Textures 2s = sand; Si = silt C = clary L = learn or fearmy. Texture Modifier co = coarse; f = fine; v = very fine; + = heavy fines clay) Histosol (A1)			<u> </u>			
Textures 2s = sand; Si = silt C = clary L = learn or fearmy. Texture Modifier co = coarse; f = fine; v = very fine; + = heavy fines clay) Histosol (A1)						
Texture: S= sand; Si= sill: Q= clary; L= learn or learny. Texture Modifier: on= course; f= fine; vf= very fine; += heavy (more clay); -= light (less day) lydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histos (A1)						
Texture: S= sand; Si= sill: Q= clary; L= learn or learny. Texture Modifier: on= course; f= fine; vf= very fine; += heavy (more clay); -= light (less day) lydric Soil Indicators (Applicable to all LRRs, unless otherwise noted): Histos (A1)						
Textures 2s = sand; Si = silt C = clary L = learn or fearmy. Texture Modifier co = coarse; f = fine; v = very fine; + = heavy fines clay) Histosol (A1)					-	
Histor Soll Indicators (Applicable to all LRRs, unless otherwise noted):	•					
Histosof (A1) Sandy Redox (S5) 2 cm Muck (A10) Histosof (A2) Stripped Matrix (S6) Red Parent Material (TF2) Hydrogen Sulfide (A3) Loamy Mucky Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (A11) Pepleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Dark Surface (F7) Hydric Soil Present? Yes No X Type:			= coarse; f = fine; vf = very fi			
Histic Epipedon (A2) Stripped Matrix (S6) Red Parent Material (TF2) Black Histic (A3) Loamy Mudry Mineral (F1) (except MLRA 1) Very Shallow Dark Surface (TF12) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Redox Dark Surface (F6) Thick Dark Surface (A12) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Hydrodogy must be present, unless disturbed or problematic. Sendry Gleyed Matrix (S4) Redox Depressions (F8) Present? Yes No X Setrictive Layer (if present): Type:	lydric Soil Indicators (Applicable to all LR	Rs, unless otherwise noted):		Indicators for Prob	lematic Hydric Soils ³ :	
Black Histic (A3)	Histosol (A1)	Sandy Redox (S5)		2 cm Muck (A1	0)	
Hydrogen Sulfide (A4)	Histic Epipedon (A2)	Stripped Matrix (S6)		Red Parent Ma	iterial (TF2)	
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (F412) Redox Dark Surface (F6) Sandy Musy Mineral (S1) Depleted Dark Surface (F7) Sandy Musy Mineral (S1) Depleted Dark Surface (F7) Redox Depressions (F8) Problemate. Retrictive Layer (if present): Type:none Depth (inches):n/a	Black Histic (A3)	Loamy Mucky Minera	I (F1) (except MLRA 1)	Very Shallow [ark Surface (TF12)	
Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Refox Depressions (F8) Present? Type:	Hydrogen Sulfide (A4)	Loamy Gleyed Matrix	(F2)	Other (Explain	in Remarks)	
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if present): Type: none	Depleted Below Dark Surface (A11)	Depleted Matrix (F3)				
	Thick Dark Surface (A12)	Redox Dark Surface (F6)	2		
Sandy Gleyed Matrix (S4)	Sandy Mucky Mineral (S1)	Depleted Dark Surfac	e (F7)			ıd
Restrictive Layer (if present):		Redox Depressions (I	=8)		riesent, unless disturbed of	
Type: none			,	·		
Depth (inches):	restrictive Layer (ii present).					
Remarks: No redoximorphic features were detected. No assumption of hydric soil because only supported by moderate hydrophytic vegetation but lacks wetland hydrology and geomon position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Surface Water (A1) Surface Water (A1) Salt Crust (B11) Salt Crust (B12) Salt Water Table (A2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Saltrade Soil Cracks (B6) Sunface Water Present? Yes No X Depth (inches): Wetland Hydrology Yes No X Salturation Present? Yes No X Depth (inches): Present? Wetland Hydrology Yes No X Persent? Present?	Type:			Hudria Sail		
AVEROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Suth Water Table (A2) Saturation (A3) Sati Crust (B11) Sediment Deposits (B2) Drift Deposits (B3) Surface Soil Cracks (B6) Surface Soil Cracks (B8) Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Yes No X Present? Present? Yes No X Depth (inches): Present?	D (1 (1)			•	Voo	No. V
Vettand Hydrology Indicators: Primary Indicators (minimum of one required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA High Water Table (A2) 1, 2, 4A, and 4B) Saturation (A3) Satic Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Ada, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation (Visible on Aerial Imagery (C9) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Wetland Water Table Present? Yes No X Depth (inches): Wetland Hydrology Yes No X Present? Wetland Hydrology Yes No X Present? Depth (inches): D	Depth (inches): n/a Remarks: Io redoximorphic features were detected. No	assumption of hydric soil becaus	e only supported by modera	Present?		
Secondary Indicators (minimum of one required: check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except MLRA High Water Table (A2) 1, 2, 4A, and 4B) Saturation (A3) Satic Crust (B11) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Saturation Present? Yes No X Depth (inches): Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) At A, and 4B) Drainage Patterns (B10) Depth (inches): n/a Remarks: No redoximorphic features were detected. No	assumption of hydric soil becaus	e only supported by modera	Present?			
Surface Water (A1) Water-Stained Leaves (B9) (except MLRA High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Driniage Patterns (B10) Dry-Season Water Table (C2) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Yes No X Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): n/a Remarks: No redoximorphic features were detected. No position.	assumption of hydric soil becaus	e only supported by modera	Present?		
High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water Table (Dservations): Surface Water Present? Yes No x Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Wetland Hydrology Yes No X Present? Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): n/a Remarks: No redoximorphic features were detected. No position.	assumption of hydric soil becaus	e only supported by modera	Present?		
High Water Table (A2) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Dry-Season Water Table (C2) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Water Table (Dservations): Surface Water Present? Yes No x Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (inches): n/a		e only supported by modera	Present? ate hydrophytic vegetati	on but lacks wetland hydrold	
Salturation (A3)	Depth (inches): n/a Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required:	check all that apply)		Present? ate hydrophytic vegetati	on but lacks wetland hydrold	
Water Marks (B1)	Depth (inches): n/a Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1)	check all that apply)Water-Stained Leaves		Present? ate hydrophytic vegetati Secondary Indicator Water-Stained	on but lacks wetland hydrold	
Sediment Deposits (B2) Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Yes No X Depth (inches): Present?	Depth (inches): n/a Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B)		Present? ate hydrophytic vegetati Secondary Indicator Water-Stained 4A, and 4B)	on but lacks wetland hydrology by the second	
Drift Deposits (B3) Oxidized Rhizospheres along Living Roots (C3) Geomorphic Position (D2) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Shallow Aquitard (D3) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Wetland Hydrology Yes No X Saturation Present? Yes No x Depth (inches): Present? Yes No x Depth (inches): Present? Yes No x Depth (inches): Fresent? Yes No x Depth (inches): Present? Present?	Depth (inches): n/a Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11)	s (B9) (except MLRA	Present? ate hydrophytic vegetati Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte	on but lacks wetland hydrology (2 or more required) Leaves (B9) (MLRA 1, 2,	
Algal Mat or Crust (B4)	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	check all that apply) Water-Stained Leaver 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates	s (B9) (except MLRA (B13)	Present? Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W	on but lacks wetland hydrology (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2)	
Iron Deposits (B5)	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd	s (B9) (except MLRA (B13) or (C1)	Present? Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi	es (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9)	
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Wetland Water Table Present? Yes No x Depth (inches): Hydrology Yes No X Saturation Present? Yes No x Depth (inches): Present? Saturation Present? Yes No x Depth (inches): Present? Secribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	es (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) osition (D2)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Wetland Water Table Present? Yes No x Depth (inches): Hydrology Yes No X Saturation Present? Yes No x Depth (inches): Present? Gincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized RhizospherePresence of Reduced	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) osition (D2) rd (D3)	
Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No x Depth (inches): Wetland Water Table Present? Yes No x Depth (inches): Hydrology Yes No X Saturation Present? Yes No x Depth (inches): Present? Gincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B)Salt Crust (B11)Aquatic InvertebratesHydrogen Sulfide OddOxidized RhizospherePresence of ReducedRecent Iron Reduction	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I ron (C4) n in Tilled Soils (C6)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) besition (D2) rd (D3) est (D5)	
Surface Water Present? Yes No x Depth (inches): Wetland Water Table Present? Yes No x Depth (inches): Hydrology Yes No X Saturation Present? Yes No x Depth (inches): Present? Gincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B)Salt Crust (B11)Aquatic InvertebratesHydrogen Sulfide OddOxidized RhizospherePresence of ReducedRecent Iron ReductionStunted or Stressed F	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I ron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)	
Surface Water Present? Yes No x Depth (inches): Wetland Water Table Present? Yes No x Depth (inches): Hydrology Yes No X Saturation Present? Yes No x Depth (inches): Present? Cincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I ron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)	
Water Table Present? Yes No x Depth (inches): Hydrology Yes No X Saturation Present? Yes Depth (inches): Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Permary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B6)	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I ron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)	
Saturation Present? Yes No x	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (Biffield Observations:	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Ren	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (Bifield Observations: Surface Water Present? Yes	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem B)	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks)	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	s (2 or more required) Leaves (B9) (MLRA 1, 2, rns (B10) ater Table (C2) ble on Aerial Imagery (C9) bition (D2) rd (D3) est (D5) unds (D6) (LRR A)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (Bifield Observations: Surface Water Present? Yes	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem B)	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks) epth (inches):	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral To Raised Ant Mo Frost-Heave H	rns (B10) ater Table (C2) be on Aerial Imagery (C9) bestion (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)	ogy and geomor
	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (Bicilia Concave Surface (Bicilia Concave Surface) Surface Water Present? Water Table Present? Yes Saturation Present? Yes Saturation Present?	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem 3)	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks) epth (inches): epth (inches):	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Postallow Aquita FAC-Neutral Toral Raised Ant Moreoff Prost-Heave H Wetland Hydrology	rns (B10) ater Table (C2) be on Aerial Imagery (C9) bestion (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)	ogy and geomor
	Remarks: No redoximorphic features were detected. No position. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (Bicilia Concave Surface (Bicilia Concave Surface) Surface Water Present? Water Table Present? Yes Saturation Present? Yes Saturation Present?	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem 3)	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks) epth (inches): epth (inches):	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Postallow Aquita FAC-Neutral Toral Raised Ant Moreoff Prost-Heave H Wetland Hydrology	rns (B10) ater Table (C2) be on Aerial Imagery (C9) bestion (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)	ogy and geomor
Remarks:	Depth (inches): No redoximorphic features were detected. No position.	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem 3) No x De No x De	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks) epth (inches): epth (inches):	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral Ti Raised Ant Mo Frost-Heave H Wetland Hydrology Present?	rns (B10) ater Table (C2) be on Aerial Imagery (C9) bestion (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)	ogy and geomor
	Depth (inches): No redoximorphic features were detected. No position.	check all that apply) Water-Stained Leaves 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F Other (Explain in Rem 3) No x De No x De	s (B9) (except MLRA (B13) or (C1) es along Living Roots (C3) I Iron (C4) n in Tilled Soils (C6) Plants (D1) (LRR A) narks) epth (inches): epth (inches):	Secondary Indicator Water-Stained 4A, and 4B) Drainage Patte Dry-Season W Saturation Visi Geomorphic Po Shallow Aquita FAC-Neutral Ti Raised Ant Mo Frost-Heave H Wetland Hydrology Present?	rns (B10) ater Table (C2) be on Aerial Imagery (C9) bestion (D2) rd (D3) est (D5) unds (D6) (LRR A) ummocks (D7)	ogy and geomor

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

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES

Project/Site: 0	DMFS and TDLE		City/County:	Federal Way,	King County	Sampling Dat	te: 12/5/2020	
Applicant/Owner:				· outlier rray,	State: WA	. •	ng Point: WFW-15-9	SP1
Investigator(s):	T. Parry, A. Thom				Section, Township, Range:		R04E S16	
Landform (hillslope		Terrace		_	elief (concave, convex, none):	none	Slope (%): <3	%
	Northwest Forests and Coast (Lat: 47.301297	_ Loi		Datur		70
			to 8 percent slopes -	_ AgB	<u> </u>	VI classification:	none	
,	rologic conditions on the site typic				es No X			
Are Vegetation		•	No significantly dis		re "Normal Circumstances" p		Yes X No	
Are Vegetation	No , Soil No	_, or Hydrology _	No naturally proble	ematic? (l	f needed, explain any answe	rs in Remarks.)		
SUMMARY C	F FINDINGS - Attach site	e map showin	g sampling poi	nt locations	, transects, important	t features, etc.		
Hydrophytic Veg		Yes X	No		· · ·	•	-	
Hydric Soil Prese		Yes X	No	Is the Sampl	ed Area			
Wetland Hydrolo		Yes X	No	within a Wet	land? Yes X	(No		
•				1				
Precipitation: According to the	Seattle Tacoma International NOA	A weather station.	precipitation was ab	ove the normal	range for the three months r	orior to the site visit	s in November.	
7.1000. u.i.g to 1.i.o		or modulor oldion,	prosipitation nac as	ovo ino morman	rango for ano amoo monato p			
Remarks:								
PFO wetland SP	is positioned on a terrace to the ea	ast of East Hylebo	s Creek Trib 0016A					
VEGETATIO	N							
		Absolute	Dominant	Indicator	Dominance Test works	heet:		
Tree Stratum	(Plot size: <u>r=3m)</u>	% Cover	Species?	Status	Number of Dominant Spe			
1. Alnus rubra	(, , , , , , , , , , , , , , , , , , ,	90%	Yes	FAC	That Are OBL, FACW, or		3 (A)	
2. Amas rubra		3070	163	1740	That Are OBE, I AOW, or		(//,	
3.			-		Total Number of Domina	unt		
4.				-			5 (B)	
-		90% =	Total Cover		Species Across All Strata	a	5(B)	
Sapling/Shrub S	tratum (Plot size: <u>r=2m)</u>	90 /6	- Total Cover		Percent of Dominant Spe	acias		
1		400/	V	FA0			60% (A/B)	
Nubus speci		40%	Yes Yes	<u>FAC</u>	That Are OBL, FACW, or		60% (A/B)	
2		15%	Yes	FAC	Prevalence Index works Total % Cover of:	Multiply by:		
Rubus ursinu 4.	IS	15%	Yes	<u>FACU</u>	OBL species	x 1 =		
5					FACW species	x 2 =		
J		700/	T-4-1 O		FAC species	x 3 =		
Herb Stratum	(Plot size: <u>r=1m)</u>	=	Total Cover		FACU species	x 4 =		
	(Flot Size. — Tity				UPL species			
1. <u>None</u> 2.			-			x 5 =		٦١
2.			-		Column Totals:	(A)	(E	٥)
3.					Prevalence In			
4.					Hydrophytic Vegetation			
5.					1 - Rapid Test for H		ion	
6.					X 2 - Dominance Test			
7					3 - Prevalence Inde			
8.					4 - Morphological A			
9.						or on a separate s	heet)	
10.					5 - Wetland Non-Va		4	
11					Problematic Hydrop			
	(DI r=2m)		Total Cover		¹ Indicators of hydric soil	and wetland hydrol	ogy must	
Woody Vine Stra		1000/	Van	FACIL	be present.			
 Hedera helix 		100%	Yes	FACU	Hydrophytic			
		100%	Total Cover		Vegetation	Yes X No)	
% Bare Ground	in Herb Stratum 0%	10070	10101 00101		Present?			
Remarks:								

Parametrix

SOIL							Sampling Point:	WFW-15-SP1
Profile Description (Desc	ribe to the dept	h needed to	o document the	indicator or con	firm the absen	ce of indicators):	oumpung : omn	
. ,	•					,		
Depth (inches) Color	Matrix (moist)	%	Color (moist)	%	Features Type ¹	Loc ²	Texture ³	Remarks
	(moist)	100	Color (moist)		Турс		GrCL	Remarks
	R 2/2		40)/D 5/0					
<u>11-17</u> <u>5Y</u>	5/2	70	10YR 5/6	25	<u>C</u>	M	C	
			7.5YR 5/8	5	C	M	-	
							-	
¹ Type: C=Concentration, D	=Depletion, RM:	Reduced M	Matrix, CS=Covere	ed or Coated Sar	nd Grains. ² L	ocation: PL=Pore Linin	g, M=Matrix.	
³ Texture: Sa = sand; Si = si	lt; C = clay; L = I	oam or Ioan	ny. Texture Modif	er: co = coarse;	f = fine; vf = ver	y fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indicators (Ap	plicable to all L	RRs, unles	s otherwise not	ed):		Indicators for Prol	blematic Hydric Soils³:	
Histosol (A1)			Sandy Redox (S	35)		2 cm Muck (A1	10)	
Histic Epipedon (A2)			Stripped Matrix			Red Parent Ma	·	
Black Histic (A3)		_	_	lineral (F1) (exce	ept MLRA 1)		Dark Surface (TF12)	
Hydrogen Sulfide (A4)		_	Loamy Gleyed I			Other (Explain	• •	
X Depleted Below Dark S	Surface (A11)		Depleted Matrix			0 and (Explain	r tomamo,	
Thick Dark Surface (A1			Redox Dark Sui	7				
Sandy Mucky Mineral (:		Depleted Dark S	` '			phytic vegetation and wetla	
Sandy Gleyed Matrix (S	•		Redox Depress	` '		hydrology must be problematic.	present, unless disturbed or	
			_ redox Depress	0113 (1 0)		problematic.		
Restrictive Layer (if prese	nt):							
Type: None						Hydric Soil		
Depth (inches):	N/A					Present?	Yes X	No
Remarks:					<u>.</u>			
HYDROLOGY								
Wetland Hydrology Indica	tors:							
Primary Indicators (minimur	n of one require	d; check all	that apply)	_		Secondary Indicato	rs (2 or more required)	
Surface Water (A1)			_Water-Stained I	eaves (B9) (exc	ept MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)			1, 2, 4A, and	4B)		4A, and 4B)		
X Saturation (A3)			_Salt Crust (B11)			Drainage Patte	erns (B10)	
Water Marks (B1)			_Aquatic Inverteb	orates (B13)		Dry-Season W	ater Table (C2)	
Sediment Deposits (B2)		_Hydrogen Sulfic	e Odor (C1)		Saturation Visi	ble on Aerial Imagery (C9)	
Drift Deposits (B3)			Oxidized Rhizos	pheres along Liv	ring Roots (C3)	Geomorphic P	osition (D2)	
Algal Mat or Crust (B4)			Presence of Re	duced Iron (C4)		Shallow Aquita	ard (D3)	
Iron Deposits (B5)			Recent Iron Rec	duction in Tilled S	Soils (C6)	FAC-Neutral T	est (D5)	
Surface Soil Cracks (B	6)		 Stunted or Stres 	sed Plants (D1)	(LRR A)		ounds (D6) (LRR A)	
Inundation Visible on A	•	7)	– Other (Explain i		,	Frost-Heave H		
Sparsely Vegetated Co			_ ` '	,			,	
Field Observations:								
	V	NI.		Daniel Carlos	۸.	M/-411		
Surface Water Present?	Yes	NO	<u> </u>	Depth (inches		Wetland	V V	Na
Water Table Present?	Yes		X	Depth (inches		Hydrology	Yes X	No
Saturation Present? (includes capillary fringe)	Yes	X No	·	Depth (inches):11"	Present?		
Describe Recorded Data	(stream gauge,	monitoring	y well, aerial pho	tos, previous in	spections), if a	ıvailable:		
Remarks:								

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Project No.: 554-1800-030 and -019 Western Mountains, Valleys

Project/Site: 0	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date:	12/5/2020
Applicant/Owner:			Oity/Odditty.	r cucrar vvay,	State: WA	-	Point: WFW-15-SP
Investigator(s):	T. Parry, A. Thom				Section, Township, Range:	T21N R0	
Landform (hillslope	•	hillslop	e	_	elief (concave, convex, none):		Slope (%): <3%
	: Northwest Forests and		Lat: 47.301291		ng: -122.303605	Datum:	NAD 1983
• , ,		erwood gravelly sandy loam,		- AgB		classification:	none
Are climatic / hyd	Irologic conditions on the s	site typical for this time of	year?	Y	es No X	(If no, explain in	Remarks)
Are Vegetation	No , Soil	No , or Hydrology	No significantly dis	sturbed? A	re "Normal Circumstances" pre	esent?	Yes X No
Are Vegetation	No, Soil	No , or Hydrology	No naturally proble	ematic? (I	f needed, explain any answers	in Remarks.)	
SUMMARY C	OF FINDINGS – Atta	ch site map showii	ng sampling poi	nt locations	, transects, important f	eatures, etc	
Hydrophytic Veg	etation Present?	Yes	No <u>X</u>	l			
Hydric Soil Prese	ent?	Yes	No <u>X</u>	Is the Sampl	N10		
Wetland Hydrolo	ogy Present?	Yes	No <u>X</u>	within a Wet	tiand? Yes	No	<u>x</u>
Precipitation: According to the Remarks:	Seattle Tacoma Internatio	nal NOAA weather statior	n, precipitation was at	pove the normal	range for the three months price	or to the site visits ir	ı November.
SP is positioned a	above a stream terrace to	the east.					
VEGETATIO	N			1 11 1			
T	(DI (: r-2	Absolute	Dominant	Indicator	Dominance Test worksho		
1. Alpus rubro	(Plot size: <u>r=3</u>		Species?	<u>Status</u>	Number of Dominant Spec		
Alnus rubra			Yes	FAC	That Are OBL, FACW, or F	AC:	(A)
3.					T (I N) (D) (
4.					Total Number of Dominant		(D)
···		100%	= Total Cavar		Species Across All Strata:		6 (B)
Sapling/Shrub S	Stratum (Plot size: <u>r=2</u>		= Total Cover		Percent of Dominant Speci	ies	
1. Rubus spect	<u> </u>	40%	Yes	FAC	That Are OBL, FACW, or F		33% (A/B)
2. Sambucus ra		30%	Yes	FACU	Prevalence Index worksh		(A/B)
3. Rubus ursini		25%	Yes	FACU	Total % Cover of:	Multiply by:	
Rubus arme		5%	No	FAC	OBL species	x 1 =	
5. Ilex aquifoliu		5%	No	FACU	FACW species	x 2 =	
non aquirona			= Total Cover		FAC species	x 3 =	
Herb Stratum	(Plot size: r=1				FACU species	x 4 =	
1 Polystichum	munitum	15%	Yes	FACU	UPL species	x 5 =	
2.					Column Totals:	(A)	(B)
3.					Prevalence Inde	= B/A =	
4.					Hydrophytic Vegetation I	ndicators:	
5.					1 - Rapid Test for Hyd	Irophytic Vegetation	I
6.					2 - Dominance Test is	; >50%	
7.					3 - Prevalence Index i	ıs ≤3.0 ¹	
8.					4 - Morphological Ada	iptations ¹ (Provide s	supporting
9.					data in Remarks or	r on a separate shee	et)
10.					5 - Wetland Non-Vaso	cular Plants ¹	
11.					Problematic Hydrophy	tic Vegetation (Expl	lain) ¹
			= Total Cover		¹ Indicators of hydric soil an	id wetland hydrolog	y must
Woody Vine Stra					be present.		
1. Hedera helix	<u> </u>	50%	Yes	<u>FACU</u>	Hydronhytic		
2		50%	= Total Cover		Hydrophytic Vegetation Y	es No	X
% Bare Ground	in Herb Stratum	35%	10101 00161		Present?		
Remarks:							

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SOIL							Sampling Point:	WFW-15-SP
Profile Description (D	Describe to the de	pth needed t	o document the	indicator or co	nfirm the absen	ce of indicators):		
Depth	Matrix			Redox	Features	•		
	olor (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
	10YR 2/2	100						
	10YR 3/3	95	7.5YR 4/6	5	C		CL	
¹ Type: C=Concentration	on, D=Depletion, R	M=Reduced N	Matrix, CS=Cover	ed or Coated Sa	nd Grains. ² Lo	ocation: PL=Pore Lini	ng, M=Matrix.	
³ Texture: Sa = sand; Si	i = silt; C = clay; L :	= loam or loar	ny. Texture Modif	ier: co = coarse;	f = fine; vf = very	y fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indicators	(Applicable to all	I LRRs, unles	ss otherwise not	ed):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S	S5)		2 cm Muck (A	.10)	
Histic Epipedon (A	.2)		Stripped Matrix	(S6)		Red Parent M	laterial (TF2)	
Black Histic (A3)			_	ineral (F1) (exc	ept MLRA 1)		Dark Surface (TF12)	
Hydrogen Sulfide ((A4)		Loamy Gleyed I		,	Other (Explain	, ,	
Depleted Below Da	ark Surface (A11)		Depleted Matrix			 · · ·		
Thick Dark Surface			 _Redox Dark Su			3		
Sandy Mucky Mine			_ _Depleted Dark \$			•	ophytic vegetation and wetla present, unless disturbed or	
Sandy Gleyed Mat	rix (S4)		Redox Depress	ions (F8)		problematic.	present, unless disturbed of	
Restrictive Layer (if p	resent):							
Type: No	•					Hydric Soil		
Depth (inches):	N/A					Present?	Yes	No X
	14//							
HYDROLOGY								
Wetland Hydrology In	dicators:							
Primary Indicators (min		red: check all	that apply)			Secondary Indicate	ors (2 or more required)	
Surface Water (A1	•	ou, oncon un		– ₋eaves (B9) (exc	oot MI DA	•	d Leaves (B9) (MLRA 1, 2,	
High Water Table	•	_	_ vvater-stained t 1, 2, 4A, and	, , ,	ept METOA	4A, and 4B		
Saturation (A3)	(72)		_ Salt Crust (B11)					
Water Marks (B1)		_	_ Salt Crust (BTT Aquatic Invertel			Drainage Patt	Vater Table (C2)	
Sediment Deposits	· (P2)	_	Hydrogen Sulfic	` '			sible on Aerial Imagery (C9)	
Drift Deposits (B3)	• •	_		spheres along Li	ving Poets (C2)	Geomorphic F	0 , (,	
			_		villy Roots (C3)		, ,	
Algal Mat or Crust Iron Deposits (B5)	(D4)		Presence of Re		Soile (CG)	Shallow Aquit		
	ro (DC)		_	duction in Tilled		FAC-Neutral ⁻	, ,	
Surface Soil Crack	* *	(D7)	_	ssed Plants (D1)	(LRR A)		ounds (D6) (LRR A)	
Inundation Visible Sparsely Vegetate			Other (Explain i	n Remarks)		Frost-Heave i	Hummocks (D7)	
	d Concave Surface	(00)						
Field Observations:	10							
Surface Water Present		N		Depth (inches		Wetland	v	A1
Water Table Present?	Yes	N		Depth (inches		Hydrology	Yes	No X
Saturation Present? (includes capillary fring	Yes ge)	No	о <u> X</u>	Depth (inches	s):	Present?		
Describe Recorded D	ata (stream gaug	e, monitoring	g well, aerial pho	tos, previous i	nspections), if a	vailable:		
Remarks:								
Ì								

Project/Site: OMFS			City/County:	Federal Way	King (King	Sampling Da	ate: 4	1/20/2023
Applicant/Owner: Sound T	ransit				State: \	_		WFW-15-SP3
Investigator(s): Kaylee I	Moser, Aaron Thom			,	Section, Township, Range	=: T21N R0	4E S16 SV	vsw
Landform (hillslope, terrace, etc	D.):	depressio	n	Local r	elief (concave, convex, none)	concave	Slope	(%): None
Subregion (LRR): Northwe	est Forests and Coast (L	RR A)	Lat: 47.300833	Lo	ing:122.303764	Datu	ım: NAD	1983 (HARN)
Soil Unit (Name-ID-Hydric Ra	ating): Alderwood	gr sandy loam, 0	to 8% slopes -	5	- Not Hydric	NWI classification:	N	lone
Are climatic / hydrologic cond	ditions on the site typical	I for this time of y	ear?	Υ	'esNo	X (If no, explai	n in Remar	·ks)
Are Vegetation no	_	, or Hydrology _	no significantly dis		Are "Normal Circumstance		Yes _	X No
Are Vegetation no		·	no naturally proble	•	If needed, explain any ans	•		
SUMMARY OF FINDIN		map showin	g sampling poir	nt locations	s, transects, import	ant features, etc	-	
Hydrophytic Vegetation Pres		YesX	No	la tha Camm	lad Amaa			
Hydric Soil Present?		Yes X	No	Is the Samp	4140			
Wetland Hydrology Present	?	Yes X	No	within a vve	tiand? Yes	X No_		
Precipitation: According to the Seattle Tac	oma Airport NOAA weat	her station, preci	pitation was below th	ie normal range	e for the three months price	or to the site visit.		
Remarks: PFO wetland SP. Paired with	unland SP WFW-15-Si	PΔ						
110 wedana or . I alica wid	rupiana or vvi vv-10-or	7.						
VEGETATION								
VEGETATION		Absolute	Dominant	Indicator	Dominance Test wo	rksheet:		
Tree Stratum	(Plot size: r=3m)	% Cover	Species?	Status	Number of Dominant			
Populus balsamifera	(i iot oizo:	60%	Yes	FAC	That Are OBL, FACW	•	5	(A)
2.			100		That the OBE, Thor			(',')
3.					Total Number of Dom	ninant		
4.					Species Across All St		5	(B)
-		60% =	Total Cover					
Sapling/Shrub Stratum	(Plot size: <u>r=2m)</u>				Percent of Dominant	Species		
1. Rubus armeniacus		30%	Yes	FAC	That Are OBL, FACW	/, or FAC:	<u>100%</u>	(A/B)
 Spiraea douglasii 		20%	Yes	FACW	Prevalence Index we			
3. Populus balsamifera		20%	Yes	FAC	Total % Cover o	of: Multiply by:		-
4. Rubus spectabilis		10%	No	FAC	OBL species	x 1 =		
5					FACW species	x 2 =		
		80% =	Total Cover		FAC species	x 3 =		
	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
Epilobium ciliatum		15%	Yes	FACW	UPL species	x 5 =		
2.					Column Totals:	(A)		(B)
3.						e Index = B/A =		
4.			·		Hydrophytic Vegeta		4:	
5. 6.					X 2 - Dominance T	or Hydrophytic Vegeta	lion	
7.					3 - Prevalence Ir			
8.						ndex is ≤3.0 al Adaptations¹ (Provi		
9.						arks or on a separate :		ng
10.		-				ı-Vascular Plants ¹	silect)	
11.		-				i-vasculai Flants Irophytic Vegetation (I	Evnlain) ¹	
···		15% =	Total Cover			soil and wetland hydro		
Woody Vine Stratum	(Plot size: r=2m)	1370	- Total Gover		be present.	ion and wouldn't hy are	nogy muot	
1. none					·			
2					Hydrophytic	V V N		
% Bare Ground in Herb Str	ratum10%	=	Total Cover		Vegetation Present?	Yes X N	lo	
Remarks:								

Parametrix

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SOIL							Sampling Point:	WFW-15-SP3
	on (Describe to the	depth needs	ed to document the in	ndicator or co	nfirm the absence	ce of indicators):		
Depth	Matrix	-			Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-6	10YR 2/1	100	Oddi (moist)		.,,,,		GrSaL	remans
6-16	10YR 2/1	80	2.5Y 5/2	15			GrSaL	
0-10	1011 2/1	- 00	· ———				GISAL	
			10YR 4/4	5	C	M		
								
								
	-		· 					
			· <u></u>					
			· <u></u>					
	•		ed Matrix, CS=Covere			ocation: PL=Pore Linir	-	
					; f = fine; vf = very		clay); - = light (less clay)	
Hydric Soil Indic	ators (Applicable to	all LRRs, ur	less otherwise note	d):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S	5)		2 cm Muck (A	10)	
Histic Epiped	on (A2)		Stripped Matrix (S6)		Red Parent M	aterial (TF2)	
Black Histic (A3)		Loamy Mucky Mi	neral (F1) (exc	ept MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Su	lfide (A4)		Loamy Gleyed M	atrix (F2)		Other (Explain	n in Remarks)	
Depleted Belo	ow Dark Surface (A1	1)	Depleted Matrix	(F3)				
Thick Dark S	urface (A12)		X Redox Dark Surf	ace (F6)		3 Indicators of hydro	ophytic vegetation and wetlar	ad.
Sandy Mucky	Mineral (S1)		Depleted Dark S	urface (F7)			present, unless disturbed or	iu
Sandy Gleye	d Matrix (S4)		Redox Depression	ons (F8)		problematic.	,	
Restrictive Layer	r (if present):							
_	e: none					Hydric Soil		
Depth (inches):	n/a					Present?	Yes X	No
Deput (inches).	II/a	-				i resent:	163 <u>X</u>	
HYDROLOGY	,							
Wetland Hydrolo								
_	s (minimum of one re	nuired: check	all that annly)			Secondary Indicate	ors (2 or more required)	
		quireu, crieck		- (DO) (
Surface Water			Water-Stained Le		cept MLRA		d Leaves (B9) (MLRA 1, 2,	
X High Water T			1, 2, 4A, and 4	łB)		4A, and 4B		
X Saturation (A	,		Salt Crust (B11)	(D40)		Drainage Patt		
Water Marks			Aquatic Invertebr	` '			Vater Table (C2)	
Sediment De			Hydrogen Sulfide				sible on Aerial Imagery (C9)	
Drift Deposits	,		Oxidized Rhizos			X Geomorphic F	` '	
Algal Mat or (Presence of Red	. ,		Shallow Aquit		
Iron Deposits			Recent Iron Red		, ,	X FAC-Neutral 1	` '	
Surface Soil (` ,		Stunted or Stress) (LRR A)		ounds (D6) (LRR A)	
	sible on Aerial Image	• • •	Other (Explain in	Remarks)		Frost-Heave H	Hummocks (D7)	
Sparsely Veg	etated Concave Surf	ace (B8)						
Field Observatio	ns:	· · · · · · · · · · · · · · · · · · ·						
Surface Water Pr	resent? Yes		No X	Depth (inche	s):	Wetland		
Water Table Pres	sent? Yes	Х	No		s): 6	Hydrology	Yes X	No
Saturation Preser	nt? Yes	Х	No	Depth (inche	s): 1	Present?		
(includes capillar	y fringe)		<u> </u>		, <u> </u>			
Describe Record	ded Data (stream ga	uge, monito	ring well, aerial phot	os, previous i	nspections) if a	vailable:		
20001IDG INGCOIN	Data (Stream ya	-go, monito		-5, providus I	poodonoj, ii al			
Remarks:								

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Project/Site: 0	OMFS		City/County:	Federal Way/I	King	Sampling D	ate: 4/20/2023	23
Applicant/Owner:	Sound Transit				State:		ling Point: WFW-1	5-SP4
Investigator(s):	Kaylee Moser, Aaron Thom				Section, Township, Ran	ge: T21N R	04E S16 SWSW	
Landform (hillslope	e, terrace, etc.):	hillslope		Local re	elief (concave, convex, nor	ne): none	Slope (%): 3	3-5%
Subregion (LRR)	: Northwest Forests and Coas	t (LRR A)	Lat: 47.300842	Loi	ng: <u>-122.303860</u>	Dat	um: NAD 1983 (H.	IARN)
Soil Unit (Name-I	D-Hydric Rating): Alderw	ood gr sandy loam,	0 to 8% slopes -	5	 Not Hydric 	NWI classification:	R5UBH	
Are climatic / hyd	rologic conditions on the site typ	=			esNo_		in in Remarks)	
Are Vegetation	no , Soil no		no significantly dis		re "Normal Circumstan	•	Yes X No	·
Are Vegetation	no , Soil no		no naturally proble	-	f needed, explain any a	•		
	F FINDINGS - Attach s			nt locations	, transects, impo	rtant features, et	<u>.</u>	
Hydrophytic Veg		Yes	No X	Is the Sampl	od Aros			
Hydric Soil Prese		Yes	No X	within a Wet	المسمار		v	
Wetland Hydrolo	gy Present?	Yes	No <u>X</u>	within a vvet	iand? Yes_	No_	X	
Precipitation: According to the	Seattle Tacoma Airport NOAA w	eather station, preci	pitation was below th	ne normal range	for the three months p	rior to the site visit.		
Remarks:								
Paired upland SF	with two wetland SPs (SP3 and	l SP5). Sample poin	t is on hillslope abov	e WFW-15/ordir	nary high water mark lir	ne.		
VEGETATION	N							
		Absolute	Dominant	Indicator	Dominance Test w	vorksheet:		
Tree Stratum	(Plot size: r=3m)	% Cover	Species?	<u>Status</u>	Number of Domina	nt Species		
1. none					That Are OBL, FAC	CW, or FAC:	1 (A))
2.								
3.					Total Number of Do	ominant		
4					Species Across All	Strata:	(B))
		=	Total Cover					
Sapling/Shrub S	<u> </u>				Percent of Dominar		500/	
Rubus armei Rubus spect		85%	Yes	FAC	That Are OBL, FAC		<u>50%</u> (A/E	B)
 Rubus spect 3. 	abilis	5%	No	FAC	Prevalence Index Total % Cover			
4.					OBL species	x 1 =		
5.					FACW species	x 2 =		-
J		90% =	= Total Cover		FAC species	90 x 3 =	270	-
Herb Stratum	(Plot size: r=1m)	90% -	- Total Cover		FACU species	32 x 4 =	128	-
Polystichum	•	30%	Yes	FACU	UPL species	x 5 =	120	-
Ilex aquifoliu		2%	No	FACU	Column Totals:	122 (A)	398	(B)
3.	m e e e e e e e e e e e e e e e e e e e			TAGO	-	nce Index = B/A =	3.26	_ (- /
4.					Hydrophytic Vege	tation Indicators:		
5.						for Hydrophytic Veget	ation	
6.					2 - Dominance	e Test is >50%		
7.					3 - Prevalence	Index is ≤3.0 ¹		
8.					4 - Morphologi	ical Adaptations ¹ (Prov	ide supporting	
9.		<u> </u>			data in Ren	narks or on a separate	sheet)	
10.					5 - Wetland No	on-Vascular Plants ¹		
11.					Problematic H	ydrophytic Vegetation	(Explain) ¹	
Woody Vine Stra	atum (Plot size: <u>r=2m)</u>	32%	Total Cover		¹ Indicators of hydric be present.	c soil and wetland hydr	ology must	
1. <u>none</u>					Uyalaa ahaasi a			
2.		0% =	= Total Cover		Hydrophytic Vegetation	Yes I	No X	
% Bare Ground	in Herb Stratum 40%		- 10(a) 00761		Present?			
Remarks:					•			

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SOIL							Sampling Point:	WFW-15-SP4
Profile Description (De	escribe to the d	epth needed	I to document the	indicator or co	nfirm the absen	ce of indicators):		
Depth					Features			
	Matrix lor (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
`	0YR 3/3	100	Color (moist)	70	1,700	Loc	GrSaL	Remarks
	-	99	7 EVD E//	1			GrSaL	
5-10	2.5Y 5/3	99	7.5YR 5/4			IVI	GISAL	
<u> </u>								
								
<u> </u>								
¹ Type: C=Concentration						ocation: PL=Pore Lini	=	
					; f = fine; vf = ver	y fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indicators	(Applicable to a	ill LRRs, unl	ess otherwise not	ed):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)		_	Sandy Redox (S	S5)		2 cm Muck (A	10)	
Histic Epipedon (A2	2)		Stripped Matrix	(S6)		Red Parent M	aterial (TF2)	
Black Histic (A3)		_		ineral (F1) (exc	ept MLRA 1)		Dark Surface (TF12)	
Hydrogen Sulfide (A	A4)	_	Loamy Gleyed I		,	Other (Explain		
Depleted Below Da	•	_	Depleted Matrix				,	
Thick Dark Surface		_	Redox Dark Su	. ,		3		
Sandy Mucky Miner		_	— Depleted Dark \$				ophytic vegetation and wetlar present, unless disturbed or	
Sandy Gleyed Matri		_	Redox Depress			problematic.	present, unless disturbed or	
				(,		F		
Restrictive Layer (if pro	-							
Type: non						Hydric Soil		
Depth (inches):	n/a					Present?	Yes	No X
HYDROLOGY								
Wetland Hydrology Inc	licators:							
Primary Indicators (mini	mum of one real	uired: check a	Ill that apply)			Secondary Indicate	ors (2 or more required)	
Surface Water (A1)		,	Water-Stained I	= 	cent MI PA		Leaves (B9) (MLRA 1, 2,	
High Water Table (A	12)	_	1, 2, 4A, and		SCPT WEI VY	4A, and 4B		
Saturation (A3)	12)		Salt Crust (B11)	•		Drainage Patt		
Water Marks (B1)		_	Aquatic Inverteb					
Sediment Deposits	(R2)	_	Hydrogen Sulfic	` '			Vater Table (C2) ible on Aerial Imagery (C9)	
	(52)	_			iving Poets (CC)			
Drift Deposits (B3)	D4)	-			iving Roots (C3)	Geomorphic F	, ,	
Algal Mat or Crust (B4)	-	Presence of Re	` '		Shallow Aquit		
Iron Deposits (B5)	(DO)	-		duction in Tilled		FAC-Neutral		
Surface Soil Cracks		<u>-</u>	Stunted or Stres		(LRR A)		ounds (D6) (LRR A)	
Inundation Visible o	٠,	` '	Other (Explain i	n Remarks)		Frost-Heave I	łummocks (D7)	
Sparsely Vegetated	Concave Surface	ce (B8)						
Field Observations:								
Surface Water Present?	Yes_		No X	Depth (inches	s):	Wetland		
Water Table Present?	Yes		No X	Depth (inches		Hydrology	Yes	No X
Saturation Present?	_	I			s):	Present?		
(includes capillary fringe	_			. ,				
Describe Recorded Da	ata (stream gau	ge, monitori	ng well, aerial pho	tos, previous i	nspections), if a	vailable:		
B								
Remarks:								

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Project/Site: OMFS		City/County:	Federal Way/l	Kina	Sampling D	Date:	4/20/2023
Applicant/Owner: Sound Transit		,,-	<u> </u>		_		WFW-15-SP5
Investigator(s): Kaylee Moser, Aaron Thom			s	Section, Township, Range		R04E S16 S\	
Landform (hillslope, terrace, etc.):	Depression		-	elief (concave, convex, none)			(%): None
Subregion (LRR): Northwest Forests and Coast	(LRR A) La	t: 47.300845	 Loi	ng: -122.303938	Da		1983 (HARN)
Soil Unit (Name-ID-Hydric Rating): Alderwoo	od gr sandy loam, 0 to 8	3% slopes ·	<u> </u>	- Not Hydric	NWI classification:		None
Are climatic / hydrologic conditions on the site typic	cal for this time of year	?	Y	esNo	X (If no, expl	ain in Rema	ırks)
Are Vegetation no , Soil no	_ · · · —	_significantly di		re "Normal Circumstances	•	Yes	X_No
Are Vegetation, Soilno		_naturally probl		f needed, explain any ans			
SUMMARY OF FINDINGS - Attach sit	te map showing s	sampling poi	int locations	, transects, importa	ant features, et	C.	
Hydrophytic Vegetation Present?	Yes X N	0	1				
Hydric Soil Present?	Yes X N	0	Is the Sampl				
Wetland Hydrology Present?	Yes X N	0	within a Wet	tland? Yes	X No		
Precipitation: According to the Seattle Tacoma Airport NOAA we Remarks: PFO wetland SP. Paired with upland SP WFW-15- vegetation cover was observed indicating seasona	-SP4. Sampling point is			•		stained leav	ves and low
VEGETATION							
	Absolute	Dominant	Indicator	Dominance Test wor	rksheet:		
Tree Stratum (Plot size: 3x1m)	% Cover	Species?	Status	Number of Dominant	Species		
Populus balsamifera	95%	Yes	FAC	That Are OBL, FACW	, or FAC:	2	(A)
2.			-				
3.	_		-	Total Number of Domi	inant		
4			-	Species Across All Str	rata:	2	(B)
	<u>95%</u> = To	tal Cover					
Sapling/Shrub Stratum (Plot size: 2x1m)				Percent of Dominant S		4000/	
Crataegus monogyna	30%	Yes	FAC	That Are OBL, FACW		<u>100%</u>	(A/B)
2. Rubus armeniacus3.	5%	No	FAC	Prevalence Index wo Total % Cover of			
						·	_
4.	<u> </u>		·	OBL species	x 1 =		
5.			•	FACW species	x 2 =		
Herb Stratum (Plot size: 1x1m)	35% = To	tal Cover		FAC species FACU species	x 3 = x 4 =		
				UPL species	x 5 =		
1. <u>none</u> 2.				Column Totals:	(A)		(B)
3.					= Index = B/A =		(B)
4.			-	Hydrophytic Vegetat			
5.	<u> </u>		·		r Hydrophytic Vege	tation	
6.				X 2 - Dominance To		tation	
7.			-	3 - Prevalence In			
8.			-	<u> </u>	l Adaptations ¹ (Prov	vide suppor	ting
9.					rks or on a separate		.iiig
10.				5 - Wetland Non-		,	
11.					rophytic Vegetation	(Explain) ¹	
Woody Vine Stratum (Plot size: 2x1m)	0% = To	tal Cover		¹ Indicators of hydric so			
1. none				·			
2				Hydrophytic			
% Bare Ground in Herb Stratum 0%	0%= Tc	tal Cover		Vegetation Present?	Yes X	No	
Remarks:							

Parametrix

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Profile Description (Describe to the de							WFW-15-SP
	epth needed to	document the i	indicator or confi	rm the absen	ce of indicators):		
Depth Matrix			Redox Fe	eatures			
(inches) Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-16 10YR 2/1	95	10YR 5/8	5	С	M	SiL	
				,			
							
		-		-			
							
Type: C=Concentration, D=Depletion, R					ocation: PL=Pore Linir	•	
Texture: Sa = sand; Si = silt; C = clay; L				fine; vf = ver			
Hydric Soil Indicators (Applicable to al	II LKKS, UNIESS	otnerwise note	ea):			blematic Hydric Soils ³ :	
Histosol (A1)	8	Sandy Redox (S	S5)		2 cm Muck (A	10)	
Histic Epipedon (A2)	s	Stripped Matrix	(S6)		Red Parent M	aterial (TF2)	
Black Histic (A3)	L	oamy Mucky M	lineral (F1) (except	MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Sulfide (A4)	L	oamy Gleyed N	Matrix (F2)		Other (Explain	in Remarks)	
Depleted Below Dark Surface (A11)		Depleted Matrix	(F3)				
Thick Dark Surface (A12)	_X_F	Redox Dark Sur	face (F6)		3Indicators of hydro	phytic vegetation and wetla	and
Sandy Mucky Mineral (S1)		Depleted Dark S	Surface (F7)			present, unless disturbed o	
Sandy Gleyed Matrix (S4)	F	Redox Depressi	ons (F8)		problematic.	, ,	
Restrictive Layer (if present):							
Type: none					Hydric Soil		
Depth (inches): n/a					Present?	Yes X	No
			atrix color.				
			attix color.				
HYDROLOGY			auta color.				
			aux color.				
Wetland Hydrology Indicators:	ired: check all tha	at apply)	aux color.		Secondary Indicate	ors (2 or more required)	
Netland Hydrology Indicators: Primary Indicators (minimum of one requi			_	+ MI DA		ors (2 or more required)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1)		Vater-Stained L	_ .eaves (B9) (excep	t MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
Netland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2)	v	Vater-Stained L 1, 2, 4A, and	 .eaves (B9) (excep 4B)	t MLRA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
Netland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3)	V s	Vater-Stained L 1, 2, 4A, and Galt Crust (B11)	 .eaves (B9) (excep 4B)	t MLRA	Water-Stained 4A, and 4B Drainage Patt	Leaves (B9) (MLRA 1, 2, erns (B10)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1)		Vater-Stained L 1, 2, 4A, and Galt Crust (B11) Aquatic Inverteb	– .eaves (B9) (excep 4B) prates (B13)	t MLRA	Water-Stained 4A, and 4B Drainage Patt Dry-Season W	Leaves (B9) (MLRA 1, 2, erns (B10) /ater Table (C2)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	V \$ H	Vater-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid	eaves (B9) (excep 4B) prates (B13) e Odor (C1)		Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis	Leaves (B9) (MLRA 1, 2, erns (B10) Vater Table (C2) ible on Aerial Imagery (C9)	
Primary Indicators (minimum of one requisions) Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)		Vater-Stained L 1, 2, 4A, and Galt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos	Leaves (B9) (excep 4B) orates (B13) le Odor (C1) spheres along Livin		Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F	Leaves (B9) (MLRA 1, 2, erns (B10) Vater Table (C2) ible on Aerial Imagery (C9) vosition (D2)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	V	Vater-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec	Leaves (B9) (excepted 4B) Forates (B13) For Odor (C1) Spheres along Livinduced Iron (C4)	g Roots (C3)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)		Vater-Stained L 1, 2, 4A, and 2, 4A, and Salt Crust (B11) Aquatic Inverteb dydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red	Leaves (B9) (excepted 4B) Forates (B13) For Odor (C1) For Odor (C1) For Odor (C4) For Odor (C4) For Odor (C4) For Odor (C4)	g Roots (C3) ils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral 1	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) vosition (D2) ard (D3) Fest (D5)	
Primary Indicators (minimum of one requisions) Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)		Vater-Stained L 1, 2, 4A, and 2, 4A, and Salt Crust (B11) Aquatic Inverteb dydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	eaves (B9) (excep 4B) orates (B13) le Odor (C1) spheres along Livin duced Iron (C4) duction in Tilled Soi ssed Plants (D1) (L	g Roots (C3) ils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral 1	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3)	
Vetland Hydrology Indicators: Primary Indicators (minimum of one requirement) Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)		Vater-Stained L 1, 2, 4A, and 2, 4A, and Salt Crust (B11) Aquatic Inverteb dydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red	eaves (B9) (excep 4B) orates (B13) le Odor (C1) spheres along Livin duced Iron (C4) duction in Tilled Soi ssed Plants (D1) (L	g Roots (C3) ils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral 1 Raised Ant Mo	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) vosition (D2) ard (D3) Fest (D5)	
Netland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	V	Vater-Stained L 1, 2, 4A, and 2, 4A, and Salt Crust (B11) Aquatic Inverteb dydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	eaves (B9) (excep 4B) orates (B13) le Odor (C1) spheres along Livin duced Iron (C4) duction in Tilled Soi ssed Plants (D1) (L	g Roots (C3) ils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral 1 Raised Ant Mo	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	V	Vater-Stained L 1, 2, 4A, and 2, 4A, and Salt Crust (B11) Aquatic Inverteb dydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	eaves (B9) (excep 4B) orates (B13) le Odor (C1) spheres along Livin duced Iron (C4) duction in Tilled Soi ssed Plants (D1) (L	g Roots (C3) ils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral 1 Raised Ant Mo	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A)	
Perimary Indicators (minimum of one requision Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	V	Vater-Stained L 1, 2, 4A, and 2, 4A, and Salt Crust (B11) Aquatic Inverteb dydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	Leaves (B9) (excepted 4B) Forates (B13) Forates (C1) Forates along Living duced Iron (C4) Forates (B13)	g Roots (C3) ils (C6) RR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral 1 Raised Ant Mo	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	V	Vater-Stained L 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Didized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Forates (B13) Forates (B13) Forates along Living duced Iron (C4) Forates (B13) Forates	g Roots (C3) ils (C6) RR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant Mo Frost-Heave F	Leaves (B9) (MLRA 1, 2, orns (B10) Vater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A) dummocks (D7)	No
X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surfac Field Observations: Surface Water Present? Yes Water Table Present?	V	Vater-Stained L 1, 2, 4A, and 1, 2, 4A, and Stalt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Dixidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Forates (B13) Forates (B13) Forates (B13) Forates along Living duced Iron (C4) Forates (B13) F	g Roots (C3) ils (C6) RR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant Mo Frost-Heave F Wetland Hydrology	Leaves (B9) (MLRA 1, 2, 1) erns (B10) /ater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A)	No
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes	V	Vater-Stained L 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Didized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Forates (B13) Forates (B13) Forates along Living duced Iron (C4) Forates (B13) Forates	g Roots (C3) ils (C6) RR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant Mo Frost-Heave F	Leaves (B9) (MLRA 1, 2, orns (B10) Vater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A) dummocks (D7)	No
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present?	V	Vater-Stained L 1, 2, 4A, and 1, 2, 4A, and Stalt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Dixidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Forates (B13) Forates (B13) Forates (B13) Forates along Living duced Iron (C4) Forates (B13) F	g Roots (C3) ils (C6) RR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant Mo Frost-Heave F Wetland Hydrology	Leaves (B9) (MLRA 1, 2, orns (B10) Vater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A) dummocks (D7)	No
Primary Indicators (minimum of one requision Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	(B7)	Vater-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Didized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Porates (B13) The Odor (C1) Spheres along Living duced Iron (C4) Buction in Tilled Soissed Plants (D1) (Lin Remarks) Depth (inches): Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A) 6 2	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant M Frost-Heave F Wetland Hydrology Present?	Leaves (B9) (MLRA 1, 2, orns (B10) Vater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A) dummocks (D7)	No
Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes	(B7)	Vater-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Didized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Porates (B13) The Odor (C1) Spheres along Living duced Iron (C4) Buction in Tilled Soissed Plants (D1) (Lin Remarks) Depth (inches): Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A) 6 2	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant M Frost-Heave F Wetland Hydrology Present?	Leaves (B9) (MLRA 1, 2, orns (B10) Vater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A) dummocks (D7)	No
Primary Indicators (minimum of one requision Surface Water (A1) X High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe)	(B7)	Vater-Stained L 1, 2, 4A, and Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Didized Rhizos Presence of Rec Recent Iron Red Stunted or Stres Other (Explain in	Leaves (B9) (except 4B) Porates (B13) The Odor (C1) Spheres along Living duced Iron (C4) Buction in Tilled Soissed Plants (D1) (Lin Remarks) Depth (inches): Depth (inches): Depth (inches):	g Roots (C3) ils (C6) RR A) 6 2	Water-Stained 4A, and 4B Drainage Patt Dry-Season W Saturation Vis X Geomorphic F Shallow Aquit FAC-Neutral T Raised Ant M Frost-Heave F Wetland Hydrology Present?	Leaves (B9) (MLRA 1, 2, orns (B10) Vater Table (C2) ible on Aerial Imagery (C9) rosition (D2) ard (D3) Fest (D5) bunds (D6) (LRR A) dummocks (D7)	No

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Project/Site: 0	OMFS and TDLE		City/County:	Federal Way,	Kina County	Sampling Date	e: 3/	2/2020
Applicant/Owner:				· outrai rray;	State: WA	· · ·		VFW-16-SP1
Investigator(s):	Kaylee Moser, Adam Thom				ection, Township, Range:		 R04E S16	
Landform (hillslop		Slope of d	itch	_	lief (concave, convex, none):	concave	Slope (%	%): <3%
	: Northwest Forests and Coas		Lat: 47.313703		ng: -122.299546	Datun		D 1983
0 ()		Alderwood material, 6 t	-	AmC	-	I classification:	noi	
,	rologic conditions on the site type			Y	es No X		in Remarks	s)
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed? A	re "Normal Circumstances" p	resent?	Yes>	X_No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (If	f needed, explain any answer	s in Remarks.)		
SUMMARY C	F FINDINGS - Attach s	site map showii	ng sampling poi	nt locations	, transects, important	features, etc.		
Hydrophytic Veg	etation Present?	Yes X	No					
Hydric Soil Prese	ent?	Yes X	No	Is the Sample	ed Area			
Wetland Hydrold	gy Present?	Yes X	No	within a Wetl	land? Yes X	No		
Precipitation: According to the Remarks:	Seattle Tacoma International N	OAA weather statior	ı, precipitation was ab	pove the normal	range for the three months p	rior to the site visits	s in March.	
	ocated in a vegetated roadside of	ditch west of on ram	p to I-5 South. This sa	ample point is a	palustrine emergent sample	point for WFW-16.		
VEGETATIO	<u> </u>	AL. L.	B i i	1	D			
T Ctt	(Dl-+ -:, 3v1m)	Absolute	Dominant	Indicator	Dominance Test worksh			
Tree Stratum 1. nana	(Plot size: <u>3x1m)</u>	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Spe		_	
none 2.				-	That Are OBL, FACW, or	FAC:	3	(A)
3.				-				
4.					Total Number of Dominar			
		_			Species Across All Strata	: <u>-</u>	3	(B)
	(D) (2v1m)	0%	= Total Cover					
Sapling/Shrub S	tratum (Plot size: 2x1m)				Percent of Dominant Spe		4000/	
none					That Are OBL, FACW, or		<u>100%</u>	(A/B)
2.					Prevalence Index works			
3.				-	Total % Cover of:	Multiply by:		
4				-	OBL species	x 1 =		
5.			-	·	FACW species	x 2 =		
	4.4.	0%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: 1x1m)				FACU species	x 4 =		
 Festuca rubi 	ra	50%	Yes	<u>FAC</u>	UPL species	x 5 =		
Juncus effus	eus	40%	Yes	FACW	Column Totals:	(A)		(B)
Poa pratens	is	30%	Yes	FAC	Prevalence Inc	lex = B/A =		
4		<u> </u>			Hydrophytic Vegetation			
5					1 - Rapid Test for Hy	. ,	on	
6.					X 2 - Dominance Test	is >50%		
7					3 - Prevalence Index	is ≤3.0 ¹		
8		<u> </u>			4 - Morphological Ad	aptations ¹ (Provide	e supportino	g
9.					data in Remarks	or on a separate sh	neet)	
10					5 - Wetland Non-Vas	scular Plants ¹		
11		<u> </u>			Problematic Hydroph	nytic Vegetation (E	xplain) ¹	
Woody Vine Stra	atum (Plot size: 2x1m)	120%	= Total Cover		¹ Indicators of hydric soil a be present.	and wetland hydrolo	ogy must	
1. <u>none</u> 2.					Hydrophytic			
		0%	= Total Cover			Yes X No)	
% Bare Ground	in Herb Stratum 0%				Present?			
Remarks:								

Parametrix

SOIL					Sampling Point:	WFW-16-SP
Profile Description (Describe to the de	pth needed to document the i	ndicator or co	nfirm the absence	e of indicators):	-	
Depth Matrix		Redox	Features			
(inches) Color (moist)	% Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-7 2.5Y 3/2	100				SiL	
7-16 2.5Y 5/1	85 10YR 4/6	15	C	M	SiCL	
					- <u> </u>	
Type: C=Concentration, D=Depletion, RI	M=Reduced Matrix, CS=Covere	d or Coated Sa	nd Grains. ² Lc	cation: PL=Pore Lin	ng, M=Matrix.	
Texture: Sa = sand; Si = silt; C = clay; L =	= Ioam or Ioamy. Texture Modifie	er: co = coarse;	f = fine; vf = very	fine; + = heavy (mor	e clay); - = light (less clay)	
lydric Soil Indicators (Applicable to all	LRRs, unless otherwise note	d):		Indicators for Pr	oblematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S	5)		2 cm Muck (A	A10)	
Histic Epipedon (A2)	Stripped Matrix (S6)		Red Parent N	Naterial (TF2)	
Black Histic (A3)	Loamy Mucky Mi	ineral (F1) (exc	ept MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed M	latrix (F2)		Other (Explain	n in Remarks)	
X Depleted Below Dark Surface (A11)	X Depleted Matrix					
Thick Dark Surface (A12)	Redox Dark Surf			³ Indicators of hydi	ophytic vegetation and wetlar	nd
Sandy Mucky Mineral (S1)	Depleted Dark S			hydrology must be	e present, unless disturbed or	
Sandy Gleyed Matrix (S4)	Redox Depression	ons (F8)		problematic.		
Restrictive Layer (if present):						
, , ,						
Type: gravelly silty clay loan	m-compacted			Hydric Soil		
Type: gravelly silty clay loan Depth (inches): 7	n-compacted			Hydric Soil Present?	Yes X	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks:	n-compacted			-	Yes X	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY	n-compacted			-	Yes X	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators:				Present?		No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	red: check all that apply)	-		Present? Secondary Indicate	tors (2 or more required)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	red; check all that apply)Water-Stained Lo	, , ,	eept MLRA	Present? Secondary Indicat Water-Staine	tors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	red; check all that apply) Water-Stained Lo 1, 2, 4A, and 4	, , ,	cept MLRA	Secondary Indical Water-Staine 4A, and 4B	tors (2 or more required) d Leaves (B9) (MLRA 1, 2,	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) X Saturation (A3)	red; check all that apply) Water-Stained Lo 1, 2, 4A, and 4 Salt Crust (B11)	4B)	eept MLRA	Secondary Indicate Water-Staine 4A, and 4E X Drainage Pate	dors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1)	red: check all that apply)Water-Stained L- 1, 2, 4A, and 4Salt Crust (B11)Aquatic Invertebr	4B) rates (B13)	cept MLRA	Secondary Indicate Water-Staine 4A, and 4E X Drainage Pate Dry-Season	cors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	red; check all that apply) Water-Stained Li 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebri Hydrogen Sulfide	rates (B13) e Odor (C1)		Secondary Indicate Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	red; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebi — Hydrogen Sulfide — Oxidized Rhizos	rates (B13) e Odor (C1) pheres along Li		Secondary Indicate Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic	dors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required by the second of the sec	red; check all that apply) — Water-Stained Lu 1, 2, 4A, and 4 — Salt Crust (B11) Aquatic Invertebi — Hydrogen Sulfide — Oxidized Rhizosi — Presence of Red	rates (B13) e Odor (C1) pheres along Li luced Iron (C4)	ving Roots (C3)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui	d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	red: check all that apply) Water-Stained Lo 1, 2, 4A, and 4Salt Crust (B11)Aquatic InvertebiHydrogen SulfideOxidized RhizosiPresence of RedRecent Iron Red	rates (B13) e Odor (C1) pheres along Lir luced Iron (C4) uction in Tilled S	ving Roots (C3) Soils (C6)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	red; check all that apply) Water-Stained Lo 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebi Hydrogen Sulfide Oxidized Rhizosi Presence of Red Recent Iron Red	rates (B13) e Odor (C1) pheres along Lit luced Iron (C4) uction in Tilled 3 sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indical Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (red: check all that apply) — Water-Stained Lo 1, 2, 4A, and 2 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redi — Stunted or Stress (B7) — Other (Explain in	rates (B13) e Odor (C1) pheres along Lituced Iron (C4) uction in Tilled 3 sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indical Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	red: check all that apply) — Water-Stained Lo 1, 2, 4A, and 2 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redi — Stunted or Stress (B7) — Other (Explain in	rates (B13) e Odor (C1) pheres along Lituced Iron (C4) uction in Tilled 3 sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indical Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) X. Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	red: check all that apply) — Water-Stained Lo 1, 2, 4A, and 2 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redi — Stunted or Stress (B7) — Other (Explain in	rates (B13) e Odor (C1) pheres along Li luced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface) Field Observations: Surface Water Present? Yes	red: check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebi — Hydrogen Sulfide — Oxidized Rhizosi — Presence of Red — Recent Iron Red — Stunted or Stress (B7) — Other (Explain in	rates (B13) e Odor (C1) pheres along Li luced Iron (C4) uction in Tilled 3 sed Plants (D1) I Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave	cors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) dounds (D6) (LRR A) Hummocks (D7)	
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Surface Water Present? Surface Water Present? Yes Water Table Present?	red: check all that apply) Water-Stained Let 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebre Hydrogen Sulfide Oxidized Rhizoster Presence of Red Recent Iron Red Stunted or Stress (B7) Other (Explain in the Case) (B8)	rates (B13) e Odor (C1) pheres along Li luced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indical Water-Staine 4A, and 4E X Drainage Pal Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology	tors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) lounds (D6) (LRR A)	No
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Side Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes	red: check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebi — Hydrogen Sulfide — Oxidized Rhizosi — Presence of Red — Recent Iron Red — Stunted or Stress (B7) — Other (Explain in	rates (B13) e Odor (C1) pheres along Li luced Iron (C4) uction in Tilled 3 sed Plants (D1) I Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave	cors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) dounds (D6) (LRR A) Hummocks (D7)	
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes	red: check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebi — Hydrogen Sulfide — Oxidized Rhizosi — Presence of Red — Recent Iron Red — Stunted or Stress — Other (Explain in the B8) — No — X	rates (B13) e Odor (C1) pheres along Li luced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology Present?	cors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) dounds (D6) (LRR A) Hummocks (D7)	
Type: gravelly silty clay loan Depth (inches): 7 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Siled Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes (includes capillary fringe)	red: check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebi — Hydrogen Sulfide — Oxidized Rhizosi — Presence of Red — Recent Iron Red — Stunted or Stress — Other (Explain in the B8) — No — X	rates (B13) e Odor (C1) pheres along Li luced Iron (C4) uction in Tilled 3 sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indicat Water-Staine 4A, and 4E X Drainage Pat Dry-Season V Saturation Vi Geomorphic Shallow Aqui X FAC-Neutral Raised Ant M Frost-Heave Wetland Hydrology Present?	cors (2 or more required) d Leaves (B9) (MLRA 1, 2, 3) terns (B10) Water Table (C2) sible on Aerial Imagery (C9) Position (D2) tard (D3) Test (D5) dounds (D6) (LRR A) Hummocks (D7)	

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Project/Site: OMF:	S and TDLE		City/County:	Federal Way,	King County	Sampling Date:	3/2/2020
	ound Transit			· ousiai may,	State: WA	· · · · · · · · ·	Point: WFW-16-SP2
	aylee Moser, Adam Thom				Section, Township, Range:	T21N R0	
Landform (hillslope, terr		Midslope o	ditch		elief (concave, convex, none):		Slope (%): 3-5%
	Iorthwest Forests and Coast		Lat: 47.313706	— Loi		Datum:	NAD 1983
Soil Unit (Name-ID-Hy		. ,,	to 15 percent slopes -	- AmC		classification:	none
,	gic conditions on the site typic	cal for this time of	year?	Y	es No X	(If no, explain in	Remarks)
Are Vegetation	No , Soil No	, or Hydrology	No significantly dis	sturbed? A	re "Normal Circumstances" pr	esent?	Yes <u>X</u> No
Are Vegetation	No , Soil No	, or Hydrology	No naturally proble	ematic? (I	f needed, explain any answers	s in Remarks.)	
SUMMARY OF F	INDINGS - Attach sit	te map showi	ng sampling poi	nt locations	, transects, important	features, etc.	
Hydrophytic Vegetation	on Present?	Yes	No X				
Hydric Soil Present?		Yes X	No	Is the Sampl	ed Area		
Wetland Hydrology P	resent?	Yes	No X	within a Wet	land? Yes	No	<u>(</u>
Precipitation: According to the Seat Remarks:	tle Tacoma International NO	AA weather statio	n, precipitation was ab	pove the normal	range for the three months pri	ior to the site visits ir	n March.
This sample point is the VEGETATION	ne upland paired SP with WF	W-16-SP1. It occ	urs upslope and east	of WFW-16-SP1			
VEGETATION		A h l	Danningant	la dia atau	Daminana Tark washab	4.	
T Ctt	(Plot size: 3x1m)	Absolute	Dominant	Indicator	Dominance Test worksh		
Tree Stratum 1. none	(Plot size. <u>ax mi)</u>	% Cover	Species?	<u>Status</u>	Number of Dominant Spec		4 (4)
none 2			· —		That Are OBL, FACW, or I	-AC:	(A)
3.					T (I) (D)		
4.					Total Number of Dominan		0 (5)
			- T-t-1 O		Species Across All Strata:		(B)
Camlina/Charle Ctuate	um_ (Plot size: 2x1m)	0%	= Total Cover		Devent of Deminent Cons	iaa	
Sapling/Shrub Stratu	<u>Im</u> (Plot size: <u>ZXTIII)</u>				Percent of Dominant Spec		50%
' <u>none</u> 2.					That Are OBL, FACW, or I		<u>50%</u> (A/B)
3.					Prevalence Index worksl Total % Cover of:	neet: Multiply by:	
		_	·				
4.			· —		OBL species	x1=	
5.					FACW species	x 2 =	
Haub Stuatuus	(Plot size: 1x1m)	0%	= Total Cover		FAC species	x3=	
Herb Stratum	(Plot size: TXTIII)				FACU species UPL species	x 4 =	
1 Poa pratensis			Yes	<u>FAC</u>	· · · · · · · · · · · · · · · · · · ·	x 5 =	(D)
Dactylis glomerat Holous lanatus	ta		Yes	<u>FACU</u>	Column Totals:	(A)	(B)
- Tioleas lariatas		15%	No	<u>FAC</u>	Prevalence Inde		
4.			· —		Hydrophytic Vegetation		
5.					1 - Rapid Test for Hyd 2 - Dominance Test is		
6.							
7.					3 - Prevalence Index		
8.					4 - Morphological Ada		
9.						r on a separate shee	ət <i>)</i>
10.					5 - Wetland Non-Vasi		lain)1
11.					Problematic Hydroph		•
Woody Vine Stratum 1. none	(Plot size: 2x1m)	95%	= Total Cover		¹ Indicators of hydric soil and be present.	nd wetland hydrology	y must
2.					Hydrophytic		
		0%	= Total Cover	·	Vegetation Y	es No	X
% Bare Ground in He	erb Stratum 5%				Present?		<u></u>
Remarks:							

Parametrix

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

SOIL Profile Description (Describe to the des					Sampling Point:	WFW-16-SP2
Figure Description (Describe to the de-	pth needed to document the in	ndicator or conf	firm the absence	ce of indicators):	- Camping Comm	
Depth Matrix			-eatures			
(inches) Color (moist)	% Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-10 10YR 3/2	100		- 1,750		GrSaL	Remarks
10-16 10YR 4/2	90 10YR 4/6	10			GrSaL	
10-16 1011/4/2	90 1011/4/0			IVI	GISAL	
			-		·	
			-		·	
						
						
			-		·	
					<u> </u>	
¹ Type: C=Concentration, D=Depletion, RM				ocation: PL=Pore Lin		
Texture: Sa = sand; Si = silt; C = clay; L =			= fine; vf = very			
Hydric Soil Indicators (Applicable to all	LRRs, unless otherwise note	d):		Indicators for Pr	oblematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S	5)		2 cm Muck (A10)	
Histic Epipedon (A2)	Stripped Matrix (S6)		Red Parent I	Material (TF2)	
Black Histic (A3)	Loamy Mucky Mi	ineral (F1) (exce _l	pt MLRA 1)	Very Shallow	/ Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed M	latrix (F2)		Other (Expla	in in Remarks)	
X Depleted Below Dark Surface (A11)	X Depleted Matrix ((F3)				
Thick Dark Surface (A12)	Redox Dark Surf	ace (F6)		31	and the state of t	1
Sandy Mucky Mineral (S1)	Depleted Dark Si	urface (F7)		•	rophytic vegetation and wetla e present, unless disturbed o	
Sandy Gleyed Matrix (S4)	Redox Depression	ons (F8)		problematic.	o procent, amose dictarbed of	
Restrictive Layer (if present):						
	od CII onessel			Hydric Soil		
Type: compacted layer - roa Depth (inches): 10	id fili - gravei			Present?	Yes X	No
Depth (inches): 10				i resent:	103 X	
Soils are heavily compacted at 10 inches t	pelow the surface.					
Soils are heavily compacted at 10 inches l	pelow the surface.					
	pelow the surface.					
HYDROLOGY	pelow the surface.					
HYDROLOGY Wetland Hydrology Indicators:				Secondary Indica	tors (2 or more required)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir	ed; check all that apply)	-	ont MI PA	-	tors (2 or more required)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requirSurface Water (A1)	ed; check all that apply) Water-Stained Le	, , ,	ept MLRA	Water-Staine	ed Leaves (B9) (MLRA 1, 2,	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4	, , ,	ept MLRA	Water-Staine	ed Leaves (B9) (MLRA 1, 2,	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	l В)	ept MLRA	Water-Staine 4A, and 4IDrainage Pa	ad Leaves (B9) (MLRA 1, 2, B) ttterns (B10)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4Salt Crust (B11)Aquatic Invertebr	rates (B13)	ept MLRA	Water-Staine 4A, and 4l Drainage Pa Dry-Season	ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ed: check all that apply) Water-Stained Le 1, 2, 4A, and 4Salt Crust (B11)Aquatic InvertebrHydrogen Sulfide	rates (B13) e Odor (C1)		Water-Staine 4A, and 4l Drainage Pa Dry-Season Saturation V	ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizoss	rates (B13) e Odor (C1) oheres along Livi		Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic	ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizoss	rates (B13) c Odor (C1) cheres along Livi uced Iron (C4)	ing Roots (C3)	Water-Staine 4A, and 4I	ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	rates (B13) e Odor (C1) oheres along Livi uced Iron (C4) uction in Tilled S	ing Roots (C3)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral	ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ed; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (ing Roots (C3)	Water-Staine 4A, and 4I	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (ed; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress B7) — Other (Explain in	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (ing Roots (C3)	Water-Staine 4A, and 4I	ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress B7) Other (Explain in	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress B7) Other (Explain in	rates (B13) Property Office (B13) Property O	ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No_X_
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface) Field Observations: Surface Water Present? Yes Water Table Present?	ed; check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu Stunted or Stress B7) Other (Explain in	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (Remarks)	ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	No X
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface) Field Observations: Surface Water Present? Yes Water Table Present?	ed; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress B7) — Other (Explain in et (B8)) No — X No — X	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (Remarks) Depth (inches)	ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	No X
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	ed; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress B7) — Other (Explain in the Company of the Company	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (Remarks) Depth (inches) Depth (inches)	ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology Present?	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	No X
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	ed; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress B7) — Other (Explain in the Company of the Company	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (Remarks) Depth (inches) Depth (inches)	ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology Present?	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	NoX
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Water Table Present? Yes Saturation Present? Yes (includes capillary fringe)	ed; check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress B7) — Other (Explain in the company) (B8) No X No X No X No X	rates (B13) e Odor (C1) cheres along Livi uced Iron (C4) uction in Tilled Si sed Plants (D1) (Remarks) Depth (inches) Depth (inches)	ing Roots (C3) oils (C6) (LRR A)	Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology Present?	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	NoX

Project/Site:	OMFS and TDLE		City/County:	Federal Way,	King County	Sampling Date	e· 3/′	2/2020
Applicant/Owner			Oity/Oodility.	r cacrar vvay,	State: WA	· · · · · · · · · · · · · · · · · · ·		/FW-16-SP3
Investigator(s):	Kaylee Moser, Adam Thom				Section, Township, Range:		R04E S16	
Landform (hillslop		Hillslop	e.		elief (concave, convex, none):	none	Slope (%	5): 3-5%
	: Northwest Forests and Coas		Lat: 47.313112		ng: -122.299995	Datun		D 1983
. ,		Alderwood material, 6		AmC	-	classification:	nor	
,	Irologic conditions on the site typ				es No X	(If no, explain		
Are Vegetation			, No significantly dis		re "Normal Circumstances" pre	 `	Yes X	•
Are Vegetation	No , Soil No	, or Hydrology	No naturally proble	ematic? (I	f needed, explain any answers	in Remarks.)		
SUMMARY C	OF FINDINGS - Attach si	ite map showii	ng sampling poi	nt locations	, transects, important f	features, etc.		
	getation Present?	Yes X	No		· · ·	· · · · · · · · · · · · · · · · · · ·		
Hydric Soil Pres	ent?	Yes X	No	Is the Sampl	ed Area			
Wetland Hydrold		Yes X	No	within a Wet	land? Yes X	No		
Precipitation: According to the Remarks:	Seattle Tacoma International NC	DAA weather station	n, precipitation was ab	oove the normal	range for the three months pri	or to the site visits	s in March.	
	. SP located north of NE park and	d ride parking lot ar	nd ~100ft west of towe	ər				
VEGETATIO		Absolute	Dominant	Indicator	Dominance Test workshe			
Troc Stratum	(Plot size: 3x1m)	% Cover						
Tree Stratum 1. nana	(Plot size. <u>ox mi)</u>	<u> </u>	Species?	<u>Status</u>	Number of Dominant Spec			(4)
<u>none</u> 2.		_			That Are OBL, FACW, or F	-AC:	4	(A)
3.		_						
4.					Total Number of Dominant			
T					Species Across All Strata:		4	(B)
	(D) (: 2v1m)	0%	= Total Cover		D 1 1 D 1 1 O			
Sapling/Shrub S	· ,				Percent of Dominant Spec		4000/	
Rubus anne			Yes	FAC	That Are OBL, FACW, or F		<u>100%</u>	(A/B)
2	_	40%	Yes	FACW	Prevalence Index worksh Total % Cover of:	heet: Multiply by:		
Nobilia pse	udoacacia		No	FACU				
4		<u> </u>			OBL species	x1=		
5		_			FACW species	x 2 =		
		75%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: 1x1m)				FACU species	x 4 =		
1. Ranunculus	repens	40%	Yes	<u>FAC</u>	UPL species	x 5 =		
2. Juncus effus	sus	30%	Yes	FACW	Column Totals:	(A)		(B)
Poa pratens	is	10%	No	FAC	Prevalence Inde			
 Typha latifol 	ia	10%	No	OBL	Hydrophytic Vegetation I			
5					1 - Rapid Test for Hyd		on	
6.		<u> </u>			X 2 - Dominance Test is	3 >50%		
7					3 - Prevalence Index i	is ≤3.0 ¹		
8.		<u> </u>			4 - Morphological Ada	aptations ¹ (Provide	e supporting	3
9.		<u> </u>			data in Remarks o	r on a separate sh	neet)	
10					5 - Wetland Non-Vaso	cular Plants ¹		
11		<u> </u>			Problematic Hydrophy	ytic Vegetation (E	xplain) ¹	
Woody Vine Str	atum (Plot size: 2x1m)	90%	= Total Cover		¹ Indicators of hydric soil ar be present.	nd wetland hydrolo	ogy must	
1. none	(So prosonti			
2.					Hydrophytic			
		0%	= Total Cover	<u></u>	Vegetation Y	'es X No	·	
% Bare Ground	in Herb Stratum 10%				Present?			_
Remarks:								
remarks.								

Parametrix

SOIL							Sampling Point:	WFW-16-SP3
Profile Description	n (Describe to the o	depth neede	ed to document the in	dicator or co	nfirm the absenc	e of indicators):		
Depth	Matrix			Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-6	2.5YR 3/2	100					SiL	
6-16	2.5YR 4/1	85	10YR 4/6	15	C	M	GrSiL	
			<u> </u>					
			<u> </u>					
			<u> </u>					
•			ed Matrix, CS=Covered			cation: PL=Pore Lin	-	
					f = fine; vf = very		e clay); - = light (less clay)	
lydric Soil Indicat	tors (Applicable to	all LRRs, ur	nless otherwise noted	I):		Indicators for Pr	oblematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S5)		2 cm Muck (A10)	
Histic Epipedor	n (A2)		Stripped Matrix (S	•		Red Parent I	Material (TF2)	
Black Histic (A	·		Loamy Mucky Mir		ept MLRA 1)		V Dark Surface (TF12)	
Hydrogen Sulfi			Loamy Gleyed Ma	` '		Other (Expla	in in Remarks)	
	v Dark Surface (A11)	X Depleted Matrix (I	•				
Thick Dark Sur	• •		Redox Dark Surfa			³ Indicators of hyd	rophytic vegetation and wetla	nd
Sandy Mucky N			Depleted Dark Su Redox Depression	` '		, ,,	e present, unless disturbed or	
Sandy Gleyed			Redox Depression	ns (Fo)	1	problematic.		
Restrictive Layer (if present):							
Type:	None					Hydric Soil	V V	N .
Type: Depth (inches):	None N/A					Present?	Yes X	No
Type: Depth (inches):						-	Yes X	No
Type: Depth (inches): Remarks:						-	Yes X	No
Type: Depth (inches): Remarks: HYDROLOGY	N/A					-	Yes X	No
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog	N/A	uired; check	all that apply)			Present?	Yes X	No
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog	N/A y Indicators:	uired; check	all that apply) Water-Stained Le	aves (B9) (exc	eept MLRA	Present? Secondary Indica		No
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog: Primary Indicators (Surface Water	y Indicators:	uired; check		, , ,	sept MLRA	Present? Secondary Indica	tors (2 or more required) ad Leaves (B9) (MLRA 1, 2,	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrolog: Primary Indicators (Surface Water X High Water Tal	y Indicators: minimum of one req (A1) ble (A2)	uired; check	Water-Stained Le	, , ,	eept MLRA	Present? Secondary Indica Water-Staine	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2,	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrolog: Primary Indicators (Surface Water X High Water Tal	y Indicators: minimum of one req (A1) ble (A2)	uired; check	Water-Stained Le	3)	eept MLRA	Secondary Indica Water-Staine 4A, and 4I Drainage Pa	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2,	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrolog: Primary Indicators (Surface Water X High Water Tal X Saturation (A3)	y Indicators: minimum of one req (A1) ble (A2) 31)	uired; check	Water-Stained Le 1, 2, 4A, and 4l Salt Crust (B11)	B) ates (B13)	eept MLRA	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10)	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Primary Indicators (Surface Water X High Water Tal X Saturation (A3) Water Marks (E	y Indicators: minimum of one req (A1) ble (A2)) 31) osits (B2)	uired; check	Water-Stained Le 1, 2, 4A, and 4l Salt Crust (B11) Aquatic Invertebra	ates (B13) Odor (C1)		Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2)	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Primary Indicators (Surface Water X High Water Tall X Saturation (A3) Water Marks (E Sediment Depo	y Indicators: minimum of one req. (A1) ble (A2)) 31) posits (B2) B3)	uired; check	Water-Stained Le 1, 2, 4A, and 4l Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide	B) ates (B13) Odor (C1) heres along Li		Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrolog: Primary Indicators (Surface Water X High Water Tal X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (y Indicators: (minimum of one req (A1) ble (A2)) 31) osits (B2) B3) rust (B4)	uired; check	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	ates (B13) Odor (C1) heres along Li uced Iron (C4) ction in Tilled	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrolog: Surface Water X High Water Tal X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (I Surface Soil Cr	y Indicators: minimum of one required (A1) ble (A2) basits (B2) B3) rust (B4) B5) racks (B6)		Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress	ates (B13) Odor (C1) heres along Li uced Iron (C4) ction in Tilled ed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrolog: Primary Indicators (Surface Water X High Water Tal X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi	y Indicators: minimum of one req (A1) ble (A2)) asits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager	y (B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	ates (B13) Odor (C1) heres along Li uced Iron (C4) ction in Tilled ed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	No
Type: Depth (inches): Remarks: HYDROLOGY Vetland Hydrology Primary Indicators (Surface Water X High Water Tall X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi Sparsely Veget	y Indicators: minimum of one req (A1) ble (A2)) 31) osits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa	y (B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress	ates (B13) Odor (C1) heres along Li uced Iron (C4) ction in Tilled ed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu X FAC-Neutral Raised Ant M	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Primary Indicators (Surface Water X High Water Tal X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi Sparsely Veget	y Indicators: minimum of one req. (A1) ble (A2)) a31) posits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa	y (B7)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress	ates (B13) Odor (C1) heres along Li uced Iron (C4) ction in Tilled ed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog: Primary Indicators (Surface Water X High Water Tal X 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 Pres	y Indicators: minimum of one req (A1) ble (A2) 31) posits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa	y (B7) ace (B8)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) heres along Li iced Iron (C4) ction in Tilled 3 ed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog: Primary Indicators (Surface Water X High Water Tal X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi Sparsely Veget Field Observations Surface Water Prese Water Table Prese	y Indicators: minimum of one req (A1) ble (A2)) 31) posits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa s: sent? Yes nt? Yes	y (B7) ice (B8)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) heres along Li iced Iron (C4) ction in Tilled : ed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation VI Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog: Primary Indicators (Surface Water X High Water Tal X Saturation (A3) Water Marks (E Sediment Depo Drift Deposits (Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi Sparsely Veget Field Observations Surface Water Prese Water Table Prese Saturation Present	y Indicators: minimum of one req (A1) ble (A2) 31) posits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa s: sent? Yes nt? Yes ? Yes	y (B7) ace (B8)	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) heres along Li iced Iron (C4) ction in Tilled 3 ed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog: Primary Indicators (Surface Water Tally X Saturation (A3) Water Marks (E Sediment Depoits (I Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi Sparsely Veget Field Observations Surface Water Prese Water Table Prese Saturation Present (includes capillary to	y Indicators: minimum of one req (A1) ble (A2)) 31) posits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa s: sent? Yes nt? Yes fringe)	y (B7) ace (B8) X X	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) heres along Li iced Iron (C4) ction in Tilled : ed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) Soils: 9 surface	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology Present?	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	
Type: Depth (inches): Remarks: HYDROLOGY Wetland Hydrolog: Primary Indicators (Surface Water Tally X Saturation (A3) Water Marks (E Sediment Depoits (I Algal Mat or Cr Iron Deposits (I Surface Soil Cr Inundation Visi Sparsely Veget Field Observations Surface Water Prese Water Table Prese Saturation Present (includes capillary to	y Indicators: minimum of one req (A1) ble (A2)) 31) posits (B2) B3) rust (B4) B5) racks (B6) ble on Aerial Imager tated Concave Surfa s: sent? Yes nt? Yes fringe)	y (B7) ace (B8) X X	Water-Stained Le 1, 2, 4A, and 4I Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress Other (Explain in	ates (B13) Odor (C1) heres along Li iced Iron (C4) ction in Tilled : ed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) Soils: 9 surface	Secondary Indica Water-Staine 4A, and 4I Drainage Pa Dry-Season Saturation Vi Geomorphic Shallow Aqu X FAC-Neutral Raised Ant N Frost-Heave Wetland Hydrology Present?	tors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A) Hummocks (D7)	

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Project/Site: 0	DMFS and TDLE		City/County:	Federal Way,	Kina County	Sampling Date: 3/2/2	2020
Applicant/Owner:				<u> </u>	State: WA	Sampling Point: WF	
Investigator(s):	Kaylee Moser, Adam Thom			s	ection, Township, Range:	T21N R04E S16	
Landform (hillslope		Hillslope		-	lief (concave, convex, none):		3-5%
	Northwest Forests and Coas	•	Lat: 47.313068	_	ng: -122.300005		1983
Soil Unit (Name-I		Alderwood material, 6 to		_		classification: none	
,	rologic conditions on the site typ					(If no, explain in Remarks)	
Are Vegetation	No , Soil No	, or Hydrology _	No significantly di	sturbed? A	re "Normal Circumstances" pre	esent? Yes X	No
Are Vegetation	No, Soil No	, or Hydrology	No naturally probl	ematic? (If	f needed, explain any answers	s in Remarks.)	
SUMMARY O	F FINDINGS – Attach s	ite map showin	g sampling poi	nt locations	, transects, important f	features, etc.	
Hydrophytic Veg	etation Present?	Yes X	No				
Hydric Soil Prese	ent?	Yes X	No	Is the Sample	ed Area		
Wetland Hydrolo	gy Present?	Yes	No <u>X</u>	within a Wetl	land? Yes	NoX	
Remarks:	Seattle Tacoma International NC						
VEGETATION	ul						
VEGETATION	<u> </u>	Absolute	Dominant	Indicator	Dominance Test worksho	oot:	
Tues Streeture	(Plot size: 3x1m)	% Cover	Species?		Number of Dominant Spec		
Tree Stratum 1	(Flot Size. <u>Ox mir</u>	<u> ∕⁄₀ Cover</u>	<u>Species :</u>	<u>Status</u>	· ·		(4)
<u>none</u> 2.					That Are OBL, FACW, or F	FAC: 1	_(A)
3.					Total Niverban of Dansin and		
4.					Total Number of Dominant		(D)
			Total Cover		Species Across All Strata:	1	_(B)
Sapling/Shrub S	tratum_ (Plot size: 2x1m)		- Total Cover		Percent of Dominant Spec	ios	
1	(Flot Size: Extra)				· ·	1000/	(A /D)
<u>none</u> 2.		<u> </u>			That Are OBL, FACW, or F Prevalence Index worksh	7.6.	(A/B)
3.		_			Total % Cover of:	Multiply by:	
4.		_			OBL species	x 1 =	
5.					FACW species	x	
·			Total Cover		FAC species	x	
Herb Stratum	(Plot size: 1x1m)		- Total Cover		FACU species	x	
Poa pratensi	,	85%	Voc	FAC	UPL species	x 5 =	_
Stellaria med		10%	Yes No	FACU	Column Totals:	(A)	—— (B)
	ııa			NOL	Prevalence Inde	··	(5)
 Draba verna 4. 		5%	No	NOL	Hydrophytic Vegetation		
5.				-	1 - Rapid Test for Hyd		
6.					X 2 - Dominance Test is	· · ·	
7.				-	3 - Prevalence Index		
8.				-		aptations ¹ (Provide supporting	
9.				-	— · · ·	r on a separate sheet)	
10.					5 - Wetland Non-Vaso		
11.						ytic Vegetation (Explain) ¹	
Woody Vine Stra	atum (Plot size: 2x1m)	110% =	Total Cover			nd wetland hydrology must	
1. <u>none</u>					Harden J. C.		
2.			Total Cause		Hydrophytic Vegetation Y	'es X No	
% Bare Ground	in Herb Stratum 0%	=	Total Cover		Present?	NU	<u>-</u>
Remarks:							

Parametrix

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

SOIL					Sampling Point:	WFW-16-SP
Profile Description (Describe to the depth	needed to document the in	ndicator or co	nfirm the absence	ce of indicators):		
Depth Matrix		Redox	Features			
(inches) Color (moist)	% Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-7 10YR 2/1 1	00				L	
7-10 2.5Y 5/2 9	98 10YR 4/4	2	С	M	GrL	
10+						compacted
Type: C=Concentration, D=Depletion, RM=F				ocation: PL=Pore Lin		
Texture: Sa = sand; Si = silt; C = clay; L = lo			f = fine; vf = very			
lydric Soil Indicators (Applicable to all LR	Rs, unless otherwise note	d):		Indicators for Pr	oblematic Hydric Soils ³ :	
Histosol (A1)	Sandy Redox (S	5)		2 cm Muck (A10)	
Histic Epipedon (A2)	Stripped Matrix (S6)		Red Parent I	Material (TF2)	
Black Histic (A3)	Loamy Mucky Mi	neral (F1) (exc	ept MLRA 1)	Very Shallov	v Dark Surface (TF12)	
Hydrogen Sulfide (A4)	Loamy Gleyed M	atrix (F2)		Other (Expla	in in Remarks)	
X Depleted Below Dark Surface (A11)	X Depleted Matrix ((F3)				
Thick Dark Surface (A12)	Redox Dark Surf	ace (F6)		3Indicators of house	rophytic vegetation and wetla	and
Sandy Mucky Mineral (S1)	Depleted Dark Si	urface (F7)			rophylic vegetation and wetta e present, unless disturbed o	
Sandy Gleyed Matrix (S4)	Redox Depression	ons (F8)		problematic.	1 ,	
Restrictive Layer (if present):						
- ' '	loam			Hydric Soil		
Type: higly compacted gravelly Depth (inches): 10	loam			Hydric Soil Present?	Yes X	No
Type: higly compacted gravelly	loam			-	Yes X	No
Type: higly compacted gravelly Depth (inches): 10	loam			-	Yes <u>X</u>	No
Type: higly compacted gravelly Depth (inches): 10 Remarks:	loam			-	Yes <u>X</u>	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY	loam			-	Yes X	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Wetland Hydrology Indicators:				Present?		No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required:	check all that apply)	- (70)		Present? Secondary Indica	ntors (2 or more required)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1)	check all that apply)Water-Stained Le	, , ,	eept MLRA	Present? Secondary Indica Water-Staine	utors (2 or more required) ed Leaves (B9) (MLRA 1, 2,	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2)	check all that apply) Water-Stained Le	, , ,	pept MLRA	Secondary Indica Water-Staine 4A, and 4	ntors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11)	В)	cept MLRA	Secondary Indica Water-Staine 4A, and 4 Drainage Pa	ttors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr	eates (B13)	cept MLRA	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season	etors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	check all that apply) Water-Stained Le	ates (B13) Odor (C1)		Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V	etors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	check all that apply) Water-Stained Let 1, 2, 4A, and 4Salt Crust (B11)Aquatic InvertebrHydrogen SulfideOxidized Rhizoss	B) ates (B13) Odor (C1) oheres along Li		Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic	etors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp	B) rates (B13) rates (C1) rates along Li rates along Li rates along (C4)	ving Roots (C3)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V	etors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	check all that apply) Water-Stained Let 1, 2, 4A, and 4Salt Crust (B11)Aquatic InvertebrHydrogen SulfideOxidized Rhizoss	B) rates (B13) rates (C1) rates along Li rates along Li rates along (C4)	ving Roots (C3)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic	ed Leaves (B9) (MLRA 1, 2, B) Itterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2)	No
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Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Redu	ates (B13) c Odor (C1) cheres along Li cuced Iron (C4) cuction in Tilled 3 sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	ettors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in	ates (B13) c Odor (C1) cheres along Li cuced Iron (C4) cuction in Tilled 3 sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	ttors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply) Water-Stained Le 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Red Recent Iron Red Stunted or Stress Other (Explain in	ates (B13) c Odor (C1) cheres along Li cuced Iron (C4) cuction in Tilled 3 sed Plants (D1)	ving Roots (C3) Soils (C6)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N	ttors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
Type: higly compacted gravelly Depth (inches): 10 Remarks: HYDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one required: Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B	check all that apply) — Water-Stained Le 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Red — Recent Iron Redu — Stunted or Stress) — Other (Explain in	ates (B13) c Odor (C1) cheres along Li uced Iron (C4) uction in Tilled a sed Plants (D1) Remarks)	ving Roots (C3) Soils (C6) (LRR A)	Secondary Indica Water-Staine 4A, and 4 Drainage Pa Dry-Season Saturation V Geomorphic Shallow Aqu FAC-Neutral Raised Ant N Frost-Heave	ttors (2 or more required) ed Leaves (B9) (MLRA 1, 2, B) tterns (B10) Water Table (C2) isible on Aerial Imagery (C9) Position (D2) itard (D3) Test (D5) Mounds (D6) (LRR A)	No
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Parametrix ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES US Army Corps of Engineers Western Mountains, Valleys, and Coast Region (Version 2.0)

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Da	ate: 2/27/2020		
Applicant/Owner: Sound Transit			State: WA		oint: SP WFW		
nvestigators: STORY			Section, Township,	 Range: T21N R4E S			
andform (hillslope, terrace, etc.): Channel		Local Reli	ef (concave, convex,	·		pe(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2920	<u> </u>	-122.307587	Datum:	WGS84	· · · · —	
Soil Map Unit Name: Alderwood gravelly sandy loa	 am		NWI Classific	cation: PFO			
Are climatic / hydrologic conditions on the site typic		year? Yes	s X No	(If No, explain in Re	 emarks)		
Are Vegetation: Soil or Hydrology	significantly d	•	Are "Normal Circum	- ` ' '	Yes	X	No
Are Vegetation: Soil or Hydrology	naturally prob	lematic?		any answers in Rem	arks.)		
SUMMARY OF FINDINGS - Attach a sit	— e map showi	ng sampling	point locations	, transects, imp	ortant feati	ures, etc	:
Hydrophytic Vegetation Present? Yes >		- 	•	, , <u>, , , , , , , , , , , , , , , , , </u>			
Hydric Soil Present? Yes		Is the	Sampled Area				
Vetland Hydrology Present? Yes →			n a Wetland?	Yes	Χ	No	
Remarks:							
Sample plot meets 3 of 3 criteria, is located in wetla	and WFW-1/.						
VEGETATION – Use scientific names o	of plants						
VEGETATION – Use scientific flames (1 2 .	15 · + ·			
Franco Otations (District of Franco)	Absolute	Dominant	Indicator	Dominance Test			
Free Statum (Plot size: 5m)	% Cover	Species?	Status	Number of Domina	•	4	(4)
Alnus rubra	30	Yes	- FAC	That Are OBL, FAC	•	4	(A)
2. Populus balsamifera	30	Yes	_ FAC	Total Number of Do		4	(D)
3.				Species Across All		4	— ^(B)
···	60	= Total Cover		Percent of Domina	•	100	(A/D)
Cooling/Shrub Stratum (Plot cize: 2m)		= Total Cover		That Are OBL, FAC	•	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)	60	Voc	FAC			ltiply by	
Rubus spectabilis	<u>60</u> 5	Yes No	_ FAC FAC	Total % Cover of:		ltiply by:	
2. Rosa pisocarpa 3. Rubus armeniacus		No	- FAC	OBL species	x1=		
Aubus armeniacus				FACW species FAC species	137 x3=		
				FACU species	X3= X4=		
	70	= Total Cover	.	UPL species	x5=		
Herb Stratum (Plot size: 1m)		= Total Cover		Column Totals:		411	— _(B)
I. Ranunculus repens	7	Yes	FAC	Column Totals.	(A)		— ^(B)
na randiculus repens				Prevalence Inc	lov - R/Δ-	3	.00
			-	Hydrophytic Vege			
<u> </u>				1	st for Hydrophy		tion
5.				X 2 - Dominan		-	
5.				X 3 - Prevalence			
7.					gical Adaptatio		de
3.				· '	Remarks or on	`	
).					Non-Vascular F		,
				Problematic	Hydrophytic Ve	egetation¹ ((Explain)
11.				¹Indicators of hydric		-	
	7	= Total Cover		must be present, u			
Noody Vine Stratum (Plot size:)							
i.				Hydrophytic			
2.				Vegetation	Yes X	No	
		= Total Cover		Present?			
% Bare Ground in Herb Stratum 93		ver of Biotic Crus	t				
				1			
Remarks: Sample plot meets dominance test and prevalence	index for hydroph	nytic vegetation.		I			

SOIL Sampling Point: SP WFW 17-1

Profile Desc	ription: (Describe	e to the depth ne	eded to document the i	ndicator	or confirm	the abse	ence of indicators.)	
Depth	Ma	atrix	Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-11	10YR 3/2	100					Silt Loam	
11-18	10YR 4/1	90	10YR 4/6	10			Silt Loam	
					· ——			
					· ——			
					· ——			
					· ——			
					· ——			
¹Type: C= Co	oncentration, D= [Depletion, RM=Re	duced Matrix, CS=Cover	ed or Coa	ted Sand G	irains.	²Locatio	on: PL=Pore Lining, M=Matrix.
		•	s, unless otherwise not				Indicators for Proble	
· -	sol (A1)		Sandy Redox (S5				2 cm Muck (A	10)
	Epipedon (A2)		Stripped Matrix (S				Red Parent Ma	
	Histic (A3)		Loamy Mucky Mir	neral (F1)	(except ML	.RLA 1)	Very Shallow I	Dark Surface (TF12)
Hydro	gen Sulfide (A4)		Loamy Gleyed Ma	atrix (F2)			Other (Explain	in Remarks)
X Deple	ted Below Dark S	urface (A11)	Depleted Matrix (F3)				
Thick	Dark Surface (A1	2)	Redox Dark Surfa	ace (F6)			³ Indicators of hydro	phytic vegetation and
Sandy	/ Mucky Mineral (S1)	Depleted Dark Su	ırface (F7)		wetland hydrology	must be present,
Sandy	/ Gleyed Matrix (S	64)	Redox Depressio	ns (F8)			unless disturbed of	or problematic.
Restrictive	Layer (if presen	t):						
Type:								
Depth	(inches):		_				Hydric Soil Presen	it? Yes X No
Remarks:	_		_					
Sample plot r	meets hydric soil i	ndicator A11. depl	eted below dark surface.					
Campio piori								
HYDROLO	OGY							
Wetland Hy	ydrology Indicate	ors:						
Primary Ind	licators (minimum	of one required; of	heck all that apply)				Secondary Indicato	rs (2 or more required)
Surface	ce Water (A1)		Water-Stained Le	aves (B9)	(except		Water Stained	Leaves (B9) (MRLA 1, 2,
X High \	Water Tables (A2)		MRLA 1, 2, 4A	, and 4B))		4A, and 4B)
X Satura	ation (A3)		Salt Crust (B11)				Drainage Patte	erns (B10)
Water	Marks (B1)		Aquatic Invertebra	ates (B13))		Dry-Season W	ater Table (C2)
Sedim	nent Deposits (B2))	Hydrogen Sulfide	Odor (C1)		Saturation Vis	ible on Aeriel Imagery (C9)
Drift D	Deposits (B3)		Oxidized Rhizosp	heres alo	ng Living R	oots (C3)	Geomorphic P	osition (D2)
Algal I	Mat or Crust (B4)		Presence of Redu				Shallow Aquita	ard (D3)
	eposits (B5)		Recent Iron Redu		,	,	FAC-Neutral T	
	ce Soil Cracks (B6	·	Stunted or Stress			A)		ounds (D6) (LRR A)
	ation Visible on A	3 , (Other (Explain in	Remarks))		Frost-Heave F	lummocks (D7)
	, ,	ncave Surface (B8	3)					
Field Obse								
		′es No _	X Depth (inches):					
Water Tabl		es X No	Depth (inches):		1.0			
Saturation I		'es X No	Depth (inches):		0.0	Wetland	d Hydrology Present	? Yes <u>X</u> No
(includes ca	apillary fringe)							
Describe Rec	corded Date (strea	ım gauge, monitor	ing well, aerial photos, pr	evious ins	spections),	if availabl	e:	
Remarks:								
Sample plot r	neets wetland hyd	drology indicators	for saturation and high wa	ater table.				
	,		ŭ					

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 WFW 1	7-2	
Investigators: Danielski, Story			Section, Township,	Range: T21N R4E S	21		
Landform (hillslope, terrace, etc.): Hillslope		Local Reli	ief (concave, convex,	none): None	Slop	e(%): 2	
Subregion (LRR): A	Lat: 47.2920)91 Long:	: -122.307617	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sandy loa			NWI Classifi	cation: UPL			
Are climatic / hydrologic conditions on the site typica	I for this time of	year? Yes	s X No	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrology	significantly d	isturbed?	Are "Normal Circur	mstances" 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 site	— e map showi	ng sampling	point locations	, transects, imp	ortant featu	res, etc.	
Hydrophytic Vegetation Present? Yes X		T	•				
Hydric Soil Present? Yes		Is the	Sampled Area				
Wetland Hydrology Present? Yes X			n a Wetland?	Yes		No X	
Remarks:				•			
Sample plot has 2 of 3 wetland indicators and lacks growing season. VEGETATION – Use scientific names o		not located in a w	vetland. Upland samp	ole plot for WFW-17. S	Site visit occurre	d outside c	of
VEGETATION – Use scientific fiames o	•	Daminant	lo di a a ta u	Dominonos Toot)	Maulcabaat.		
Trace Chatrims (Dist sine)	Absolute % Cover	Dominant	Indicator	Dominance Test \			
Tree Statum (Plot size: 5m)		Species?	_ Status	Number of Domina	•	4	(4)
Populus balsamifera Alausa muhasa	50	Yes	- FAC	That Are OBL, FAC		4	_ ^(A)
2. Alnus rubra	45	Yes	_ FAC	Total Number of Do		4	(D)
3.				Species Across All		4	— ^(B)
4		Tatal Cavan	. ———	Percent of Dominar	•	100	(A (D)
Openilie w (Oleve de Otrectoure (Diet eines Open)	95	= Total Cover		That Are OBL, FAC		100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)	50	V	F40	Prevalence Index		a la classa	
1. Lonicera involucrata	50	Yes	- FAC	Total % Cover of:		ply by:	
2. Rubus spectabilis	50	Yes	_ FAC	OBL species	x1= .		_
3.				FACW species	x2= .	0 585	_
4.				FAC species	195 x3=		_
5	100	Tatal Cavan	. ———	FACU species	x4= .	0	_
Howb Chrotism (Dict cine, 100)	100	= Total Cover		UPL species	$\frac{x_{5}}{x_{105}}$.	0	— _(D)
Herb Stratum (Plot size: 1m)				Column Totals:	195 (A)	585	— ^(B)
1.				Prevalence Inde	ov P/A	3.0	10
2)U
3.			_	Hydrophytic Vege	st for Hydrophyt		••
4			_	<u> </u>	ce Test is >50%	-	OH
6.				· 	ce Test is >50 % ce Index is ≤3.0¹		
7.					gical Adaptation		,
7. 8.			_		lemarks or on a		
				.			sileet)
9 10.				· 	Non-Vascular Pl Hydrophytic Veg		znlain\
			_	· 		,	
11		= Total Cover	-	¹Indicators of hydric must be present, ur			
Woody Vine Stratum (Plot size:)		= Total Cover		must be present, ur	iiess aistaibea (- Problem	aliu.
1.				Hydrophytic			
			_	Hydrophytic Vegetation	Voc V	No	
2		= Total Cover		Present?	Yes X		_
% Bare Ground in Herb Stratum 100	0/ 0	= Total Cover ver of Biotic Crus		i-resent?			
% Bare Ground in Herb Stratum 100 Remarks:	<u></u>	VOLOT DIOLIC OTUS					

Sample plots 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.

SOIL Sampling Point: SP WFW 17-2

Profile Descr	iption: (Describe to	the depth ne	eded to document the ir	ndicator o	or confirm	4500	ince of indicators.)		
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Rem	narks
0-7	10YR 2/2	100					Sandy Loam		
7-9	10YR 5/1	95	10YR 4/6	5			Sandy Loam		
9-15	10YR4/4	100					Sandy Loam		
Type: C= Co	ncentration, D= Depl	etion, RM=Re	duced Matrix, CS=Covere	ed or Coat	ted Sand G	rains.	²Location	: PL=Pore Lini	ng, M=Matri
lydric Soil Ir	ndicators: (Applical	ole to all LRR	s, unless otherwise note	ed.)			Indicators for Problen	natic Hydric So	oils³:
Histose	ol (A1)		Sandy Redox (S5)			2 cm Muck (A10)	
Histic I	Epipedon (A2)		Stripped Matrix (S	86)			Red Parent Mat	erial (TF2)	
Black I	Histic (A3)		Loamy Mucky Min	neral (F1)	(except ML	RLA 1)	Very Shallow Da	ark Surface (TF	12)
Hydrog	gen Sulfide (A4)		Loamy Gleyed Ma	atrix (F2)			Other (Explain i	n Remarks)	
Deplet	ed Below Dark Surfa	ce (A11)	Depleted Matrix (F	F3)					
Thick [Dark Surface (A12)		Redox Dark Surfa	ice (F6)			³ Indicators of hydroph	ytic vegetation	and
Sandy	Mucky Mineral (S1)		Depleted Dark Su	rface (F7))		wetland hydrology r	nust be presen	t,
Sandy	Gleyed Matrix (S4)	Redox Depression	ns (F8)			unless disturbed or	problematic.		
Restrictive	Layer (if present):								
Type:			_						
Depth	(inches):						11 12 0 21 0		No
Remarks: Gravels through minimum thick matrix is also	ghout. Sample plot la kness or depth requir very bright (4/4).		indicators. Since the laye					at 7 inches, so	oil does not i
Remarks: Gravels through ininimum thick natrix is also	ghout. Sample plot la kness or depth requir very bright (4/4).	ements to qua					2 inches thick and starts	at 7 inches, so	oil does not i
Remarks: Gravels throughinimum thicknatrix is also HYDROLO Wetland Hy	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators:	ements to qua	lify for hydric soil indicaťo				2 inches thick and starts surface) or F3 (depleted	s at 7 inches, somatrix). Soil be	oil does not i
Remarks: Gravels through inimum thick matrix is also wetland Hy Primary India	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of c	ements to qua	lify for hydric soil indicaťo	ors A11 (de	epleted bel		2 inches thick and starts surface) or F3 (depleted Secondary Indicators	s at 7 inches, so matrix). Soil be	oil does not i low the depl
Remarks: Gravels through inimum thick natrix is also wetland Hy Primary Indianation	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators:	ements to qua	lify for hydric soil indicato theck all that apply) Water-Stained Le	aves (B9)	epleted bel		2 inches thick and starts surface) or F3 (depleted	s at 7 inches, so matrix). Soil be	oil does not i low the depl
Remarks: Gravels throughinimum thicknatrix is also HYDROLO Wetland Hy Primary Indi Surfac X High W	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of ce Water (A1) /ater Tables (A2)	ements to qua	heck all that apply) Water-Stained Lea	aves (B9)	epleted bel		2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B)	s at 7 inches, so matrix). Soil be	oil does not i low the depl
Remarks: Gravels through inimum thick natrix is also wetland Hy Primary Indi X High W X Satura	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of contents)	ements to qua	lify for hydric soil indicato theck all that apply) Water-Stained Le	aves (B9)	epleted beli		2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L	s at 7 inches, so matrix). Soil be (2 or more requeaves (B9) (MF)	oil does not i low the depl
Remarks: Gravels through inimum thick natrix is also wetland Hy Primary Indi Surfac X High W X Satura Water	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of ce Water (A1) Vater Tables (A2) tion (A3)	ements to qua	theck all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11)	aves (B9) , and 4B)	epleted believed (except		2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter	s at 7 inches, so matrix). Soil be (2 or more requeaves (B9) (MF) ns (B10) ter Table (C2)	uired)
Remarks: Gravels through inimum thick natrix is also wetland Hy Primary Indian Surfac X High W Satura Water Sedim	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of ce water (A1) vater Tables (A2) tion (A3) Marks (B1)	ements to qua	theck all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra	aves (B9) , and 4B) ates (B13) Odor (C1	epleted believes	ow dark s	2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib	(2 or more requesces (B9) (MF) (B10) ter Table (C2) de on Aeriel Ima	uired)
Remarks: Gravels through inimum thick matrix is also wetland Hy Primary Indi Surfac X High W X Satura Water Sedime	ghout. Sample plot la kness or depth require very bright (4/4). GY drology Indicators: cators (minimum of context) e Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2)	ements to qua	theck all that apply) Water-Stained Let MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor	(except)) ng Living R	ow dark s	2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib	(2 or more requesves (B9) (MF) (B10) ter Table (C2) le on Aeriel Imagestition (D2)	uired)
Remarks: Gravels through inimum thick matrix is also wetland Hy Primary Indi X High W X Satura Water Sedimond Individual	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of control of the Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3)	ements to qua	check all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor	(except)) ng Living Ro(C4)	ow dark s	2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Pos	(2 or more requeaves (B9) (MF) ter Table (C2) le on Aeriel Imasition (D2) d (D3)	uired)
Remarks: Gravels throughinimum thickmatrix is also wetland Hy Primary Indi Surfac X High W X Satura Water Sedime Drift De	ghout. Sample plot la kness or depth requir very bright (4/4). GY drology Indicators: cators (minimum of ce Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4)	ements to qua	heck all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor uced Iron (ction in Ti	(except) ng Living Rac(C4) illed Soils (C4)	oots (C3)	2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Pos	(2 or more requeaves (B9) (MF) ter Table (C2) le on Aeriel Imagition (D2) d (D3) st (D5)	uired)
Remarks: Gravels through inimum thick matrix is also wetland Hy Primary Indi Surfac X High W X Satura Water Sedimed Drift De Algal M Iron De Surface	ghout. Sample plot la kness or depth require very bright (4/4). GY Idrology Indicators: cators (minimum of control of c	ements to qua	wheck all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except) ng Living R (C4) illed Soils (CD1) (LRR	oots (C3)	2 inches thick and starts surface) or F3 (depleted Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Pos Shallow Aquitare FAC-Neutral Te	(2 or more requesces (B9) (MF) Ins (B10) Iter Table (C2) Ide on Aeriel Imagistion (D2) Id (D3) Inst (D5) Inds (D6) (LRR	uired)
Remarks: Gravels through inimum thick natrix is also wetland Hy Primary Indi X High W X Satura Water Sedimer Sedimer Sedimer Sedimer Sedimer Surface Inon De Surface Inunda	ghout. Sample plot la kness or depth require very bright (4/4). GY drology Indicators: cators (minimum of control of the con	one required; c	check all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except) ng Living R (C4) illed Soils (CD1) (LRR	oots (C3)	2 inches thick and starts surface) or F3 (depleted Surface) or F3 (depleted Surface) or F3 (depleted Action Stained Laction Action Action Visib Geomorphic Possible Shallow Aquitary FAC-Neutral Telestrates and Saturation Action Action Companies and Saturation Companies	(2 or more requesces (B9) (MF) Ins (B10) Iter Table (C2) Ide on Aeriel Imagistion (D2) Id (D3) Inst (D5) Inds (D6) (LRR	uired)
Remarks: Gravels through inimum thick matrix is also wetland Hy Primary Indi X High W X Satura Water Sedime Drift De Algal N Iron De Surfac	ghout. Sample plot la kness or depth require very bright (4/4). GY drology Indicators: cators (minimum of context of the context of the cators) water Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeriel ey Vegetated Concave	one required; c	check all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except) ng Living R (C4) illed Soils (CD1) (LRR	oots (C3)	2 inches thick and starts surface) or F3 (depleted Surface) or F3 (depleted Surface) or F3 (depleted Action Stained Laction Action Action Visib Geomorphic Possible Shallow Aquitary FAC-Neutral Telestrates and Saturation Action Action Companies and Saturation Companies	(2 or more requesces (B9) (MF) Ins (B10) Iter Table (C2) Ide on Aeriel Imagistion (D2) Id (D3) Inst (D5) Inds (D6) (LRR	uired)
Remarks: Gravels through inimum thick natrix is also before the control of the co	ghout. Sample plot la kness or depth require very bright (4/4). GY drology Indicators: cators (minimum of control of the Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeriel ey Vegetated Concavervations:	one required; c	check all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except) ng Living R (C4) illed Soils (CD1) (LRR	oots (C3)	2 inches thick and starts surface) or F3 (depleted Surface) or F3 (depleted Surface) or F3 (depleted Action Stained Laction Action Action Visib Geomorphic Possible Shallow Aquitary FAC-Neutral Telestrates and Saturation Action Action Companies and Saturation Companies	(2 or more requesces (B9) (MF) Ins (B10) Iter Table (C2) Ide on Aeriel Imagistion (D2) Id (D3) Inst (D5) Inds (D6) (LRR	uired)
Remarks: Gravels through inimum thick matrix is also before the control of the co	ghout. Sample plot la kness or depth require very bright (4/4). GY drology Indicators: cators (minimum of of the Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) te Soil Cracks (B6) tion Visible on Aeriel ey Vegetated Concavervations: ter Present? Yes	ements to qua	check all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in 18)	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except) ng Living R (C4) illed Soils (CD1) (LRR	oots (C3)	2 inches thick and starts surface) or F3 (depleted Surface) or F3 (depleted Surface) or F3 (depleted Action Stained Laction Action Action Visib Geomorphic Possible Shallow Aquitary FAC-Neutral Telestrates and Saturation Action Action Companies and Saturation Companies	(2 or more requesces (B9) (MF) Ins (B10) Iter Table (C2) Ide on Aeriel Imagistion (D2) Id (D3) Inst (D5) Inds (D6) (LRR	uired)
Remarks: Gravels through inimum thick matrix is also be seen as a	ghout. Sample plot la kness or depth require very bright (4/4). GY Idrology Indicators: cators (minimum of context of the cators (Minimum of	Imagery (B	wheck all that apply) Water-Stained Lea MRLA 1, 2, 4A, Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in Is) X Depth (inches):	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except) ng Living R (C4) illed Soils (CD1) (LRR	poots (C3)	2 inches thick and starts surface) or F3 (depleted Surface) or F3 (depleted Surface) or F3 (depleted Action Stained Laction Action Action Visib Geomorphic Possible Shallow Aquitary FAC-Neutral Telestrates and Saturation Action Action Companies and Saturation Companies	(2 or more requesces (B9) (MF) Ins (B10) Iter Table (C2) Ide on Aeriel Imagistion (D2) Id (D3) Inst (D5) Inds (D6) (LRR	uired)
Remarks: Gravels through inimum thick matrix is also be seen as a seen and the seen are seen as a seen as	ghout. Sample plot la kness or depth require very bright (4/4). GY Idrology Indicators: cators (minimum of context of the cators (Minimum of	Imagery (B	wheck all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor aced Iron (ction in Ti ed Plants	(except (except) ing Living Ri (C4) illed Soils ((C4) (D1) (LRR	poots (C3)	2 inches thick and starts surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Postallow Aquitare FAC-Neutral Te Raised Ant Mou Frost-Heave Hu	(2 or more requeaves (B9) (MF) ter Table (C2) te on Aeriel Imagition (D2) d (D3) st (D5) nds (D6) (LRR mmocks (D7)	uired) RLA 1, 2,
Remarks: Gravels through inimum thick matrix is also well and Hy Primary Indi Surfact X High W X Satura Water Sediment S	ghout. Sample plot lackness or depth requirevery bright (4/4). GY drology Indicators: cators (minimum of ore Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeriel ey Vegetated Concavery Vegetated Concavery Vegetated Concavery Vese Present? Present. Pre	Imagery (B ve Surface (B8	wheck all that apply) Water-Stained Lea MRLA 1, 2, 4A Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in I	aves (B9) , and 4B) ates (B13) Odor (C1 heres alor aced Iron (ction in Ti ed Plants Remarks)	(except (except) ing Living Re(C4) illed Soils (C4) (D1) (LRR 6.0 2.0	poots (C3) C6) A)	2 inches thick and starts surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Poil Shallow Aquitare FAC-Neutral Te Raised Ant Mou Frost-Heave Hu	(2 or more requeaves (B9) (MF) ter Table (C2) te on Aeriel Imagition (D2) d (D3) st (D5) nds (D6) (LRR mmocks (D7)	uired) RLA 1, 2,
Remarks: Gravels through inimum thick matrix is also well and Hy Primary Indi Surfact X High Water Sedimer Sedimer Sedimer Sedimer Sedimer Surfact Inundation Sparsle Surface Water Table Saturation Fereign (includes carbote Records)	ghout. Sample plot lackness or depth requirevery bright (4/4). GY drology Indicators: cators (minimum of ore Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeriel ey Vegetated Concavery Vegetated Concavery Vegetated Concavery Vese Present? Present. Pre	Imagery (B ve Surface (B8	wheck all that apply) Water-Stained Lea MRLA 1, 2, 4A, Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in Is) X Depth (inches): Depth (inches):	aves (B9) , and 4B) ates (B13) Odor (C1 heres alor aced Iron (ction in Ti ed Plants Remarks)	(except (except) ing Living Re(C4) illed Soils (C4) (D1) (LRR 6.0 2.0	poots (C3) C6) A)	2 inches thick and starts surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Poil Shallow Aquitare FAC-Neutral Te Raised Ant Mou Frost-Heave Hu	(2 or more requeaves (B9) (MF) ter Table (C2) te on Aeriel Imagition (D2) d (D3) st (D5) nds (D6) (LRR mmocks (D7)	uired) RLA 1, 2,
Remarks: Gravels through inimum thick matrix is also be the following surface the following surface the field Observation Field Control of the following surface was a water Table Saturation Field Control of the following surface was a control of the fo	ghout. Sample plot lakeness or depth requirevery bright (4/4). GY Idrology Indicators: cators (minimum of cele Water (A1) Vater Tables (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeriel ey Vegetated Concaveryations: ter Present? Yes e Present? Yes expresent? Yes pillary fringe) orded Date (stream general extream gen	Imagery (B ve Surface (B8 X No X No Iauge, monitor	wheck all that apply) Water-Stained Lea MRLA 1, 2, 4A, Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse Other (Explain in Is) X Depth (inches): Depth (inches):	aves (B9) , and 4B) ates (B13) Odor (C1) heres alor uced Iron (ction in Ti ed Plants Remarks)	(except (except) ng Living R (C4) illed Soils ((D1) (LRR 6.0 2.0 spections), i	oots (C3) C6) Wetland	2 inches thick and starts surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) or F3 (depleted surface) Secondary Indicators Water Stained L 4A, and 4B) Drainage Patter Dry-Season Wa Saturation Visib Geomorphic Postallow Aquitare FAC-Neutral Te Raised Ant Mou Frost-Heave Hu d Hydrology Present?	(2 or more requeaves (B9) (MF) ter Table (C2) te on Aeriel Imagition (D2) d (D3) st (D5) nds (D6) (LRR mmocks (D7)	uired) RLA 1, 2,

Project/Site: Sound Transit OMFS		City/County:	Federal Way, King	Sampling Date	: 2/27/202	0	
Applicant/Owner: Sound Transit		_	State: WA	Sampling Point	i: SP WFW	/ 18-1	
nvestigators: STORY			Section, Township,	Range: T21N R4E S21			
_andform (hillslope, terrace, etc.): Channel		Local Reli	ief (concave, convex,	none): None	SI	ope(%): 0	
Subregion (LRR): A - Northwestern Forest,	Lat: 47.2928	09 Long:	:122.306519	Datum: W	'GS84		
Soil Map Unit Name: Alderwood gravelly sandy loa			NWI Classific	cation: PFO			
Are climatic / hydrologic conditions on the site typic	•			(If No, explain in Rem			
Are Vegetation: Soil or Hydrology _	significantly dis		Are "Normal Circur	•	Yes	X	No
Are Vegetation: Soil or Hydrology _	naturally probl		•	any answers in Remark	•	_	
SUMMARY OF FINDINGS - Attach a sit	<u> </u>	ng sampling	point locations	, transects, impor	tant feat	ures, etc	-
Hydrophytic Vegetation Present? Yes		1					
Hydric Soil Present? Yes			Sampled Area	V V		N 1	
Wetland Hydrology Present? Yes	No	withii	n a Wetland?	Yes X		No	
Remarks:							
Sample plot meets 3 of 3 criteria, is located in wetla	ind WFW-18.						
/FOFTATION II							
/EGETATION – Use scientific names o	<u> </u>			T			
	Absolute	Dominant	Indicator	Dominance Test Wo			
<u>(Plot size: 5m)</u>	% Cover	Species?	_ Status	Number of Dominant			(4)
Alnus rubra	15	Yes	_ FAC	That Are OBL, FACW	,	4	(A)
<u> </u>				Total Number of Dom		4	(D)
				Species Across All St Percent of Dominant			— ^(B)
	15	= Total Cover	. ———	That Are OBL, FACW	•	100	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)		- Total Gover		Prevalence Index we			(A/D)
Rubus spectabilis	15	Yes	FAC	Total % Cover of:		ultiply by:	
2. Rubus armeniacus	5	Yes	FAC	OBL species	x1		
3.				FACW species	40 x2		
1.				FAC species	35 x3	3= 105	
5.				FACU species	x4	l= 0	
	20	= Total Cover		UPL species	x5	S= 0	
Herb Stratum (Plot size: 1m)				Column Totals:	75 (A	185	— (B)
Phalaris arundinacea	40	Yes	FACW				
2.				Prevalence Index	: = B/A=	2.	.47
3.				Hydrophytic Vegeta	tion Indica	itors:	
1.			_	1 - Rapid Test		-	tion
5				X 2 - Dominance			
S				X 3 - Prevalence			
·				4 - Morphologic	•	,	
3						n a separate	sheet)
J				5 - Wetland No			(Eveleie)
10.				Problematic Hy Indicators of hydric s			
	40	= Total Cover	-	must be present, unle		•	
Noody Vine Stratum (Plot size:)		- Total Gover		must be present, unle	- SS GISTUIDE	a or problem	natio.
1.				Hydrophytic			
<u> </u>			_	Vegetation	Yes X	(No	
		= Total Cover	_	Present?	_		
% Bare Ground in Herb Stratum 60		er of Biotic Crus	it .				
Remarks:	_						
Sample plot meets dominance test and prevalence	index for hydroph	vtic vegetation					
por moste dominande test and providence	aox ioi nyaropii	, rogolalioni					

SOIL Sampling Point: SP WFW 18-1

Profile Desci	ription: (Describe	to the depth need	ed to document the in	ndicator	or confirm	the abse	ence of indicators.)	
Depth	Matr	ix	Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Remarks
0-5	10YR 3/2	100	_		·		Silt Loam	
5-18	10YR 4/2	95	10YR 4/6	5			Silty Clay Loam	
			_					
			_					
		-			· ——			
¹Type: C= Co	oncentration, D= De	pletion, RM=Redu	ced Matrix, CS=Covere	ed or Coa	ted Sand G	rains.	²Locatio	n: PL=Pore Lining, M=Matrix.
		•	unless otherwise not				Indicators for Proble	<u> </u>
	sol (A1)		Sandy Redox (S5				2 cm Muck (A1	0)
	Epipedon (A2)	_	Stripped Matrix (S				Red Parent Ma	
	Histic (A3)	_	Loamy Mucky Mir	•	(except ML	.RLA 1)		eark Surface (TF12)
Hydro	gen Sulfide (A4)	_	Loamy Gleyed Ma	atrix (F2)			Other (Explain	in Remarks)
Deple	ted Below Dark Sur	face (A11)	X Depleted Matrix (I	F3)				
Thick	Dark Surface (A12)	_	Redox Dark Surfa	ice (F6)			³ Indicators of hydrop	hytic vegetation and
Sandy	Mucky Mineral (S1)	Depleted Dark Su	rface (F7	")		wetland hydrology	must be present,
Sandy	Gleyed Matrix (S4)	_	Redox Depression	ns (F8)			unless disturbed o	r problematic.
Restrictive	Layer (if present)	:						
Type:								
Depth	(inches):						Hydric Soil Present	? Yes X No
Remarks:								
Sample plot r	neets hydric soil inc	licator F3, depleted	I matrix.					
HYDROLC	GY							
Wetland Hy	ydrology Indicator	s:						
Primary Ind	licators (minimum o	f one required; che	ck all that apply)				Secondary Indicators	s (2 or more required)
X Surfac	ce Water (A1)		Water-Stained Le	aves (B9)	(except		Water Stained	Leaves (B9) (MRLA 1, 2,
X High V	Water Tables (A2)	_	MRLA 1, 2, 4A	, and 4B))		4A, and 4B)	
X Satura	ation (A3)		Salt Crust (B11)				Drainage Patte	rns (B10)
Water	Marks (B1)	_	Aquatic Invertebra	ates (B13)		Dry-Season Wa	ater Table (C2)
Sedim	ent Deposits (B2)		Hydrogen Sulfide	Odor (C1	1)		Saturation Visit	ole on Aeriel Imagery (C9)
Drift D	eposits (B3)	_	Oxidized Rhizosp	heres alo	ng Living R	oots (C3)	Geomorphic Po	osition (D2)
Algal I	Mat or Crust (B4)	_	Presence of Redu	iced Iron	(C4)		Shallow Aquita	rd (D3)
Iron D	eposits (B5)	_	Recent Iron Redu	ction in T	illed Soils (C6)	X FAC-Neutral Te	est (D5)
Surfac	ce Soil Cracks (B6)	_	Stunted or Stress			A)	Raised Ant Mo	unds (D6) (LRR A)
Inunda	ation Visible on Aeri	el Imagery (B	Other (Explain in	Remarks))		Frost-Heave Hu	ummocks (D7)
Spars	ley Vegetated Cond	ave Surface (B8)						
Field Obse	rvations:							
Surface Wa	ater Present? Ye	s <u>X</u> No	Depth (inches):		1.00			
Water Table		s <u>X</u> No	Depth (inches): _		3.0			
Saturation I		s <u>X</u> No	Depth (inches): _		0.0	Wetland	d Hydrology Present?	Yes <u>X</u> No
(includes ca	apillary fringe)							
Describe Rec	orded Date (stream	gauge, monitoring	y well, aerial photos, pr	evious ins	spections), i	if availabl	e:	
Remarks:								
Sample plot r	neets wetland hydro	ology indicators for	surface water, saturat	ion and hi	igh water ta	ble.		

Project/Site: Sound Transit OMFS		City/County: _Fe	ederal Way, King	Sampling Dat	te: 12/19/2019		
Applicant/Owner: Sound Transit			State: WA	Sampling Poi	nt: SP WFW 1	8-2	
Investigators: Danielski		Sec	ction, Township,	Range: T21N R4E S2	21		
Landform (hillslope, terrace, etc.): Hillslope		Local Relief (d	concave, convex	, none): None	Slop	e(%): 2	
Subregion (LRR): A	Lat: 47.2928	B16 Long: -1:	22.306473	Datum:	WGS84		
Soil Map Unit Name: Alderwood gravelly sar	ndy loam		NWI Classifi	cation: UPL			
Are climatic / hydrologic conditions on the site	typical for this time of	year? Yes	X No	(If No, explain in Re	emarks)		
Are Vegetation: Soil or Hydrold	ogy significantly d	isturbed? Ar	e "Normal Circur	mstances" present?	Yes	X N	lo
Are Vegetation: Soil or Hydrold	ogy naturally prob	lematic? (If	needed, explain	any answers in Rema	arks.)		
SUMMARY OF FINDINGS - Attach	a site map showi	ng sampling po	int locations	, transects, impo	ortant featu	res, etc.	
Hydrophytic Vegetation Present? Ye	es X No						
Hydric Soil Present? Ye	es No X	Is the Sa	mpled Area				
Wetland Hydrology Present?	es X No	within a	Wetland?	Yes		No X	
Remarks:							
Sample plot meets 2 of 3 wetland criteria and season. VEGETATION – Use scientific nam		ot located in a wetlan	d. Upland plot fo	r WFW 18. Site visit o	ccurred outside	of growing	1
TEGETATION COS COLONIANO NAIN	Absolute	Dominant	Indicator	Dominance Test V	Vorksheet:		
<u>Tree Statum</u> (Plot size: 5m)	% Cover	Species?	Status	Number of Dominar			
1.				That Are OBL, FAC	•	3	(A)
2.				Total Number of Do	•		- ` ′
3.				Species Across All	Strata:	5	(B)
4.			-	Percent of Dominar	nt Species		- `´
		= Total Cover	-	That Are OBL, FAC	W, or FAC:	60	(A/B)
Sapling/Shrub Stratum (Plot size: 3m)				Prevalence Index	worksheet:		
Rubus armeniacus	25	Yes	FAC	Total % Cover of:		iply by:	
2. Salix scouleriana	20	Yes	FAC	OBL species	x1=		
3. Rubus ursinus	15	Yes	FACU	FACW species	10 x2=	20	_
4.				FAC species	45 x3=	135	
5.				FACU species	22 x4=	88	
	60	= Total Cover		UPL species	x5=	0	_
Herb Stratum (Plot size: 1m)				Column Totals:	77 (A)	243	— (B)
1. Phalaris arundinacea	10	Yes	FACW	-			_
2. Epilobium anagallidifolium	5	Yes	FACU	Prevalence Inde	ex = B/A =	3.1	6
3. Polystichum munitum	2	No	FACU	Hydrophytic Veget	tation Indicato	rs:	
4.				1 - Rapid Tes	t for Hydrophyt	ic Vegetati	on
5.				X 2 - Dominano	e Test is >50%	,	
6.				3 - Prevalenc	e Index is ≤3.0	1	
7.				4 - Morpholog	gical Adaptatior	าร¹ (Provide)
8.				data in R	emarks or on a	separate s	sheet)
9.				5 - Wetland N	lon-Vascular P	lants1	
10.				Problematic I	Hydrophytic Ve	getation¹ (E	xplain)
11.				¹ Indicators of hydric	soil and wetlar	nd hydrolog	ıy
	17	= Total Cover		must be present, ur	less disturbed	or problem	atic.
Woody Vine Stratum (Plot size:)	<u></u>						
1				Hydrophytic			
2.				Vegetation	Yes X	No	
		= Total Cover		Present?			
% Bare Ground in Herb Stratum 68	% Cov	ver of Biotic Crust					
Remarks:			_				

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.

SOIL Sampling Point: SP WFW 18-2

Profile Descr	iption: (Describe to t	he depth need	ed to document the	indicator o	or confirm	the abse	ence of indicators.)			
Depth	Matrix		Red	ox Feature	s					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc²	Texture	Re	marks	
0-10	10YR 2/2	100					Sandy Loam			
10-16	10YR 3/3	100					Sandy Loam			
¹Type: C= Co	ncentration, D= Deple	tion, RM=Redu	ced Matrix, CS=Cover	red or Coat	ted Sand G	rains.	²Locatio	n: PL=Pore Li	ning, M=Mat	rix.
Hydric Soil Ir	ndicators: (Applicab	le to all LRRs,	unless otherwise no	ted.)			Indicators for Proble	matic Hydric S	Soils³:	
Histos	ol (A1)	_	Sandy Redox (S	5)			2 cm Muck (A1	0)		
— Histic I	Epipedon (A2)	_	Stripped Matrix (,			Red Parent Ma			
	Histic (A3)	_	Loamy Mucky Mi		(except ML	RLA 1)	Very Shallow D	,	F12)	
	gen Sulfide (A4)	-	Loamy Gleyed M				Other (Explain	in Remarks)		
l —	ed Below Dark Surfac	e (A11) -	Depleted Matrix							
	Dark Surface (A12)	_	Redox Dark Surf	` '			³ Indicators of hydrop			
	Mucky Mineral (S1)	-	Depleted Dark S)		wetland hydrology	•	nt,	
	Gleyed Matrix (S4)		Redox Depression	ons (F6)			unless disturbed o	r problematic.		
	Layer (if present):									
Type:	(inches)						Undria Cail Dragani	. V.	N	V
Remarks:	(inches):						Hydric Soil Present	:? Yes _	No	X
Sample plot la	acks hydric soil indicat	ors.								
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of or	ne required; che	eck all that apply)				Secondary Indicator	s (2 or more re	quired)	
Surfac	e Water (A1)	_	Water-Stained Le	eaves (B9)	(except		Water Stained	Leaves (B9) (N	IRLA 1, 2,	-
X High V	Vater Tables (A2)		MRLA 1, 2, 4	A, and 4B)			4A, and 4B)			
X Satura	tion (A3)	_	Salt Crust (B11)				Drainage Patte	rns (B10)		
	Marks (B1)	_	Aquatic Invertebr				Dry-Season Wa			
	ent Deposits (B2)	_	Hydrogen Sulfide				Saturation Visit		nagery (C9)	
	eposits (B3)	_	Oxidized Rhizosp		0	oots (C3)		` ,		
l —	Mat or Crust (B4)	_	Presence of Red	`	` '		Shallow Aquita			
	eposits (B5)	_	Recent Iron Red				—— FAC-Neutral Te	, ,	.	
	e Soil Cracks (B6)	lmagary (P	Stunted or Stress			A)	Raised Ant Mo	, , ,	H A)	
	ition Visible on Aeriel ev Vegetated Concav		Other (Explain in	Hemarks)			Frost-Heave H	JIIIIIIOCKS (D7)		
	, ,	- Surface (DO)								
Field Obse		No	V Donth (inches):							
Water Table		No	Depth (inches):Depth (inches):		12.0					
Saturation F		$\frac{x}{x}$ No $\frac{x}{y}$	Depth (inches):		4.0	 Wetland	d Hydrology Present?	Yes	X No	
1	pillary fringe)		Boptii (inches).		7.0	Wettan	a riyarology r resent.	-		
		ugo monitorino	g well, aerial photos, p	rovious ins	enactions) i	l f availabl	0.			
Describe riect	orded Date (Stream ga	lage, monitoring	y well, aerial priolos, p	revious iris	spections), i	i avallabi	c .			
Remarks:										
Sample plot m	neets primary hydrolog	y indicators for	high water table and	saturation.						

Project/Site: TDLE			City/County:	Federal Way,	King County	Sampling Date	2/2	21/2020
· · · · · · · · · · · · · · · · · · ·	ound Transit				State: WA	· -		VFW-21-SP1
Investigator(s): J.	Wozniak, M. Murphy			;	Section, Township, Range:	 T21N F	04E S21	
Landform (hillslope, terra	ace, etc.):	floodplai	n	– Local r	elief (concave, convex, none):	none	Slope (%	%): <3%
Subregion (LRR): N	orthwest Forests and Coas	st (LRR A))	Lat: 47.288658	Loi	ng:122.308085	Datum	. NA	AD 1983
Soil Unit (Name-ID-Hy	dric Rating): Alderwood	gravelly sandy loam,	8 to 15 percent slopes -	AgC	- Not Hydric NWI	classification:	nc	ne
	ic conditions on the site typ		•		es NoX	(If no, explain	n Remark	s)
		, or Hydrology			re "Normal Circumstances" pro		Yes	<u> </u>
Are Vegetation		, or Hydrology	<u>-</u>	·	f needed, explain any answers	•		
SUMMARY OF F	INDINGS – Attach s	ite map showi	ng sampling poi	nt locations	, transects, important	features, etc.		
Hydrophytic Vegetation	on Present?	YesX	No	la tha Caman	lad Amaa			
Hydric Soil Present?		Yes X	No	Is the Samp	llam dO			
Wetland Hydrology Pr	resent?	Yes X	No	within a we	iand? Yes X	No		
Precipitation: According to the Seatt	le Tacoma International No	DAA weather station	າ, precipitation was ab	pove the normal	range for the three months pr	ior to the site visit i	n Februar	y.
Remarks:								
			wardin classification.	Sample point is	located below ordinary high o	n West Hylebos C	eek abou	t 20 feet
upstream of culvert ou	tlet within an I-5 cloverleaf	•						
VEGETATION								
		Absolute	Dominant	Indicator	Dominance Test worksho	eet:		
Tree Stratum	(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:	5	(A)
2		<u> </u>						
3.		<u> </u>			Total Number of Dominant			
4.		<u> </u>			Species Across All Strata:		5	(B)
		0%	= Total Cover					
Sapling/Shrub Stratu	m (Plot size: <u>r=2m)</u>				Percent of Dominant Speci	ies		
1. Rubus armeniacu	S	20%	Yes	FAC	That Are OBL, FACW, or F	AC:	<u>100%</u>	(A/B)
2. Salix scouleriana		10%	Yes	FAC	Prevalence Index worksh			
3.					Total % Cover of:	Multiply by:		
4					OBL species	x 1 =		
5.					FACW species	x 2 =		
		30%	= Total Cover		FAC species	x 3 =		
Herb Stratum	(Plot size: <u>r=1m)</u>				FACU species	x 4 =		
Solanum dulcama	nra	40%	Yes	FAC	UPL species	x 5 =		
Veronica america.	na	30%	Yes	OBL	Column Totals:	(A)		(B)
3. Poa pratensis		20%	Yes	FAC	Prevalence Ind			
4.					Hydrophytic Vegetation I			
5.					1 - Rapid Test for Hyd	. ,	n	
6.					X 2 - Dominance Test is	4		
7.					3 - Prevalence Index i			
8.					4 - Morphological Ada			9
9.					data in Remarks of	•	eet)	
10.					5 - Wetland Non-Vaso		oloin) ¹	
11			T 1 10		Problematic Hydrophy			
Woody Vine Stratum	(Plot size: <u>r=2m)</u>	90%	= Total Cover		¹ Indicators of hydric soil an be present.	iu wetiand hydrolog	y must	
1. none	(1 101 0120.				be present.			
2.		_			Hydrophytic			
		0%	= Total Cover			res X No		
% Bare Ground in He	erb Stratum 10%				Present?			
Remarks:								

Parametrix

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SOIL						Sampling Boints	WFW-21-SP1
Profile Description (Describe to the	donth noodo	d to document the i	ndicator or co	nfirm the absen	ce of indicators):	Sampling Point:	VVFVV-21-3P1
	-	a to document the n			ce of indicators).		
Depth Matrix				Features	. 2	.	Б
(inches) Color (moist)	<u>%</u>	Color (moist)		Type'	Loc ²	Texture	Remarks
0-10 10YR 3/2	80	7.5YR 4/6		<u>C</u>	M	GrL	
10-16 10YR 4/2	95	10YR 4/6	5	C	M	GrL	
						 _	
							
							
¹ Type: C=Concentration, D=Depletion,	RM=Reduce	d Matrix, CS=Covere	d or Coated Sa	nd Grains. ² Lo	ocation: PL=Pore Linir	ng, M=Matrix.	
³ Texture: Sa = sand; Si = silt; C = clay;	L = loam or lo	amy. Texture Modifie	er: co = coarse;	f = fine; vf = very	y fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indicators (Applicable to	all LRRs, un	less otherwise note	d):		Indicators for Pro	olematic Hydric Soils ³ :	
Histosol (A1)		Sandy Redox (S5	5)		2 cm Muck (A	10)	
Histic Epipedon (A2)	_	Stripped Matrix (S	•		Red Parent Ma	·	
Black Histic (A3)	_	Loamy Mucky Mi	′	ent MI RA 1)		Dark Surface (TF12)	
Hydrogen Sulfide (A4)	_	Loamy Gleyed M		opt WEI G (1)	Other (Explain	· ·	
Depleted Below Dark Surface (A11		Depleted Matrix (` '		Other (Explain	iii rteiriairio)	
Thick Dark Surface (A12)	_	X Redox Dark Surfa	•				
Sandy Mucky Mineral (S1)	-	Depleted Dark Su	` '			phytic vegetation and wetlar	d
Sandy Gleyed Matrix (S4)	-	Redox Depressio	, ,		hydrology must be problematic.	present, unless disturbed or	
Sandy Gleyed Wattix (34)	_	Redox Depressio	1115 (1 0)		problematic.		
Restrictive Layer (if present):							
Type: none					Hydric Soil		
Depth (inches): n/a					Present?	Yes X	No
Remarks:							
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of one rec	nuired: check :	all that annly)			Secondary Indicato	rs (2 or more required)	
,	dired, check		- 	ont MLDA	·	, , ,	
Surface Water (A1)	_	Water-Stained Le	, , ,	ept wicka		Leaves (B9) (MLRA 1, 2,	
X High Water Table (A2)		1, 2, 4A, and 4	ь)		4A, and 4B)		
X Saturation (A3)	-	Salt Crust (B11)	-t (D40)		Drainage Patte	, ,	
X Water Marks (B1)	_	Aquatic Invertebr				ater Table (C2)	
X Sediment Deposits (B2)	-	Hydrogen Sulfide				ble on Aerial Imagery (C9)	
X Drift Deposits (B3)	-	Oxidized Rhizosp	•	ving Roots (C3)	X Geomorphic P		
Algal Mat or Crust (B4)	-	Presence of Red			Shallow Aquita		
Iron Deposits (B5)	_	Recent Iron Redu			X FAC-Neutral T		
Surface Soil Cracks (B6)	_	Stunted or Stress	sed Plants (D1)	(LRR A)	Raised Ant Mo	ounds (D6) (LRR A)	
Inundation Visible on Aerial Image	ry (B7)	Other (Explain in	Remarks)		Frost-Heave H	lummocks (D7)	
Sparsely Vegetated Concave Surfa	ace (B8)						
Field Observations:							
Surface Water Present? Yes		No X	Depth (inches	s):	Wetland		
Water Table Present? Yes		No	Depth (inches		Hydrology	Yes X	No
Saturation Present? Yes	X	No	Depth (inches	s): surface	Present?		
(includes capillary fringe)				-			
Describe Recorded Data (stream ga	uge, monitor	ing well, aerial phot	os, previous i	nspections), if a	vailable:		
Remarks:							

Project No.:

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554-1800-030

Project/Site: T	DLE		City/County:	Federal Way,	King County	Sampling Date:	2/21/2020
Applicant/Owner:	Sound Transit				State: WA	_	oint: WFW-21-SP2
Investigator(s):	J. Wozniak, M. Murphy				Section, Township, Range:	 T21N R04	1E S21
Landform (hillslope	, terrace, etc.):	hillslop	е	Local r	elief (concave, convex, none):	none S	Slope (%): 3-5%
Subregion (LRR):	Northwest Forests and Coa	ast (LRR A))	Lat: 47.288638	Lor	ng:122.308054	Datum:	NAD 1983
Soil Unit (Name-ID	O-Hydric Rating): Alderwoo	od gravelly sandy loam,	8 to 15 percent slopes -	AgC	- Not Hydric NWI	classification:	none
Are climatic / hydro	ologic conditions on the site ty	•	•	Y	es No X	(If no, explain in	Remarks)
Are Vegetation		, or Hydrology			re "Normal Circumstances" pre		'es <u>X</u> No
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (I	f needed, explain any answers	in Remarks.)	
SUMMARY O	F FINDINGS – Attach	site map showi	ng sampling poi	nt locations	s, transects, important t	features, etc.	
Hydrophytic Vege	etation Present?	Yes	No <u>X</u>				
Hydric Soil Prese	nt?	YesX	No	Is the Samp			
Wetland Hydrolog	gy Present?	Yes	No <u>X</u>	within a Wet	iland? Yes	NoX	· ·
	Seattle Tacoma International N	NOAA weather statio	n, precipitation was ab	pove the normal	range for the three months pri	or to the site visit in f	February.
Remarks:	cated unclose and east of WE	SW 21 SD1 within an	L5 cloverleaf Associa	ated with E For	k Hylebos Creek Tributary 001	SA Daired upland SE	2 to \\/\E\\/\ 21 \QD1
Sample point is lo	cated upsiope and east of Wi	W-21-3FT Within an	1-5 cloveriear. Associa	ated with L 1 on	K TTylebos Creek Tribulary 00 I	JA. Falled upland Si	to WI W-21-3F 1.
VEGETATION					<u> </u>		
T C44	(DI-+-: r=3m)	Absolute	Dominant	Indicator	Dominance Test workshe		
1. Populus tremi	(Plot size: <u>r=3m)</u>	% Cover	Species?	Status	Number of Dominant Speci		
1 Opulus treille		40%	Yes	FACU	That Are OBL, FACW, or F	AC:	0 (A)
Pseudotsuga3.	menziesii	20%	Yes	<u>FACU</u>	T (I N) (D) (
4.					Total Number of Dominant		. (5)
·					Species Across All Strata:		6 (B)
0 - 1 - 1/01 - 1	(Dist = : r=2m)	60%	= Total Cover		Demonstrat Demoissant Occasi		
Sapling/Shrub St	 -				Percent of Dominant Speci		00/
Gaulinena sin		40%	Yes	FACU	That Are OBL, FACW, or F		<u>0%</u> (A/B)
7 (4545 475)714			Yes	FACU	Prevalence Index worksh Total % Cover of:	eet: Multiply by:	
- Nabas specia		5%	No	FAC FAC			
 Rubus armen 	nacus	5%	No	FAC	OBL species FACW species	x1= x2=	
J		700/	T. 1.10		· ·	x2	-
Harb Stratum	(Plot size: <u>r=1m)</u>	70%	= Total Cover		FAC species FACU species	x3	-
Herb Stratum	,	400/	V.	FAOU	· -	_	
1. Geranium rob		40%	Yes	<u>FACU</u>	UPL species Column Totals:	x5=	(D)
2. Polystichum r	munitum	20%	Yes	FACU	Prevalence Inde	(A)	(B)
3.					Hydrophytic Vegetation I		
5.			· —		1 - Rapid Test for Hyd		
6			· -		2 - Dominance Test is	. ,	
7.					3 - Prevalence Index i		
8.			· —		4 - Morphological Ada		pporting
9.						on a separate sheet	•
10.					5 - Wetland Non-Vaso		-/
11.			-		Problematic Hydrophy		in) ¹
···-		60%	= Total Cover		¹ Indicators of hydric soil an		·
Woody Vine Stra	tum (Plot size: <u>r=2m)</u>		Total Cover		be present.	a modana nyarology	madi
1. none	<u> </u>				,		
2.					Hydrophytic		
0/ D C ::		0%	= Total Cover			'esNo _	<u> </u>
% Bare Ground in	n Herb Stratum 20%	<u> </u>			Present?		
Remarks:					1		

Parametrix

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SOIL							Sampling Point:	WFW-21-SP2
	on (Describe to the de	nth needed	I to document the	indicator or cor	nfirm the abse	nce of indicators):	Camping Font.	WI W-21-012
Depth	Matrix	p			Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
· · · · · · · · · · · · · · · · · · ·	10YR 2/1	100	Color (moist)		Туре			Remarks
0-1			none					
1-9	10YR 3/2	100	none				GrL	
9-15	10YR 4/2	95	10YR 4/6	5	C	M	Very GrL	
15-18	7.5YR 3/4	100				 .	GrL	
								
								
	tration, D=Depletion, R					Location: PL=Pore Lini	•	
					T = Tine; VT = Ve		e clay); - = light (less clay)	
-	ators (Applicable to all	LKKS, unio	ess otnerwise not	ea):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)		_	Sandy Redox (S			2 cm Muck (A	,	
Histic Epipedo	on (A2)	_	Stripped Matrix	(S6)		Red Parent Ma	, ,	
Black Histic (A	1 3)	_	Loamy Mucky M	lineral (F1) (exce	ept MLRA 1)	Very Shallow I	Dark Surface (TF12)	
Hydrogen Sulf	fide (A4)	_	Loamy Gleyed N	лatrix (F2)		Other (Explain	in Remarks)	
X Depleted Belo	ow Dark Surface (A11)	<u></u>	X Depleted Matrix	(F3)				
Thick Dark Su	ırface (A12)	_	Redox Dark Sur			³ Indicators of hydro	phytic vegetation and wetlar	nd
Sandy Mucky	Mineral (S1)	_	Depleted Dark S	Surface (F7)			present, unless disturbed or	
Sandy Gleyed	l Matrix (S4)	_	Redox Depressi	ons (F8)		problematic.		
Restrictive Layer	(if present):							
Туре	e: none					Hydric Soil		
Depth (inches):	n/a		_			Present?	Yes X	No
Remarks:								
HYDROLOGY								
Wetland Hydrolog	gy Indicators:							
Primary Indicators	(minimum of one requi	ed: check a	II that apply)			Secondary Indicato	rs (2 or more required)	
Surface Water	•			- .eaves (B9) (exce	ent MI RA	•	Leaves (B9) (MLRA 1, 2,	
High Water Ta	, ,	_	1, 2, 4A, and		opt will or	4A, and 4B)		
Saturation (A3	, ,		Salt Crust (B11)	•		Drainage Patte		
Water Marks (_	Aquatic Inverteb				/ater Table (C2)	
Sediment Dep	,	_	Hydrogen Sulfid				ible on Aerial Imagery (C9)	
Drift Deposits		_	_ , ,	pheres along Liv	ing Poots (C3)		• • • • •	
Algal Mat or C	• •	_	Presence of Rec	•	ring Roots (Ca)	 ·	` '	
	, ,	_		luction in Tilled S	Coile (CC)	Shallow Aquita		
Iron Deposits		_			` ,	FAC-Neutral T	• •	
Surface Soil C	, ,	(DZ)	Stunted or Stres		(LRR A)		ounds (D6) (LRR A)	
	sible on Aerial Imagery (_	Other (Explain in	n Remarks)		Frost-Heave F	lummocks (D7)	
	etated Concave Surface	(DO)						
Field Observation								
Surface Water Pre			No X	Depth (inches		Wetland		
Water Table Prese	ent? Yes		No <u>X</u>	Depth (inches):	Hydrology	Yes	No <u>X</u>
Saturation Presen (includes capillary		N	NoX	Depth (inches):	Present?		
Describe Record	led Data (stream gaug	e, monitori	ng well, aerial pho	tos, previous in	nspections), if	available:		
Domester								
Remarks:								

Project No.: 554-1800-030

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Project/Site: T	DLE						City/County:	Federal V	Vay, Kiı	ng County			Sampli	ing Date:		2/25/2	2020
Applicant/Owner:	Sound	Transit								Sta	ate:	WA	_ 8	Sampling	Point:	WFW	V-22-SP1
Investigator(s):	M. Mur	phy, A. Thor	m					_	Sec	tion, Townsl	nip, Rang	e:		T21N R0)4E S2	:1	
Landform (hillslope	e, terrace, e	tc.):			terrace	Э		Loc	al relie	f (concave, co	nvex, none	e): <u> </u>	oncave		Slope	e (%):_	<3%
Subregion (LRR):	Northw	est Forests	and Coast	(LRR A)))	Lat:	47.290108	_	Long:	-122.308	3639			Datum:		NAD 1	983
Soil Unit (Name-II	D-Hydric F	Rating):	Alderwood g	jravelly s	andy loam,	8 to 15	percent slopes -	AgC		Not Hydr	ic	NWI cl	assificat	ion:		none	
Are climatic / hydr	rologic cor		he site typic			•			Yes		No	Х		explain in	Rema	arks)	
Are Vegetation	No		No	_			significantly dis			"Normal Circ		•			Yes	_ <u>X_</u> 1	No
Are Vegetation	No				-		naturally proble			eeded, expla	•			•			
SUMMARY O			ttach sit				mpling poi	nt location	ons, t	ransects,	import	tant fe	atures	, etc.			
Hydrophytic Vege		esent?		Yes_	Х	No		Is the Sa	mplad	Aron							
Hydric Soil Prese				Yes_	Х	No		within a									
Wetland Hydrolog	gy Presen	t?		Yes_	Х	. No		Within a	vveuai	iu i	Yes_	Х	_	No			
Precipitation: According to the S Remarks:	Seattle Ta	coma Interna	ational NOA	AA weat	her station	n, preci	pitation was ab	pove the no	mal ra	nge for the t	nree mon	ths prior	to the si	ite visit in	Febru	ary.	
PSS wetland SP.	SP locate	d in a roadsi	ide depress	sion nea	r off-ramp	of I-5 :	south. Headed	south on I-	5 exit 1	42 B on eas	t side of c	off ramp	in a road	dside "clo	ver lea	ι f" .	
VEGETATION	1																
					Absolute		Dominant	Indicato	r	Dominanc	e Test wo	orkshee	t:				
Tree Stratum		(Plot size:	<u>r=3m)</u>		% Cover		Species?	Status		Number of	Dominan	t Specie	s				
1. Populus bals	amifera				10%		Yes	FAC		That Are O	BL, FACV	N, or FA	C:		4	1	(A)
2.																	
3.										Total Numb	er of Dor	minant					
4.										Species Ad	ross All S	Strata:			4	((B)
				_	10%	= Tota	I Cover										
Sapling/Shrub S	tratum	(Plot size:	<u>r=2m)</u>			-				Percent of	Dominant	t Specie	s				
1. Cornus alba					15%		Yes	FACW		That Are O	BL, FAC	N, or FA	.C:		<u>100%</u>	((A/B)
2. Rubus armer	niacus				5%		Yes	FAC		Prevalence	e Index w	vorkshe	et:				
3.										Total	% Cover	of:	Multipl	y by:		_	
4.										OBL specie	es		x 1 =				
5.										FACW spe	cies		x 2 =				
					20%	= Tota	I Cover			FAC specie	es		x 3 =				
Herb Stratum		(Plot size:	<u>r=1m)</u>	_		•				FACU spec	cies		x 4 =	•			
Poa pratensis	s				40%		Yes	FAC		UPL specie	es		x 5 =	•			
2.								-		Column To	tals:		(A)	•			(B)
3.						-					Prevalenc	e Index	= B/A =	=			_
4.						-				Hydrophyt	ic Vegeta	ation In	dicators	j:			
5.						-								/egetation	ı		
6.									_	X 2 - Do	minance ¹	Test is >	50%				
7.						-				3 - Pre	evalence l	Index is	≤3.0 ¹				
8.						-		-						(Provide s	suppor	tina	
9.								•	_	_		· ·		arate she		3	
10.								•	_		etland Nor		•		,		
11.						-			_					ation (Exp	olain)1		
-					40%	= Tota	I Cover		_	1Indicators	-		-		,	t	
Woody Vine Stra	atum_	(Plot size:	<u>r=2m)</u>		4070	- 1010				be present	i		Wolland		<i>y</i> 111do		
2									_	1	phytic						
% Bare Ground i	in Herb St	ratum	60%		0%	= Tota	I Cover			Veget Prese		Ye	sX	No			
Remarks: Spirea located on	north and	south end o	of the weltn	ad but n	not located	d in plot	:. 60% of plot is	in standing	y water	ditches.							

Parametrix

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SOIL							Sampling Point:	WFW-22-SP1
Profile Descripti	ion (Describe to the o	depth needed	d to document the in	dicator or cor	nfirm the absen	ce of indicators):		
Depth	Matrix			Redox	Features			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-5	10YR 2/1	100					L L	rtomanto
0.0	1011112/1	100	 .					
5-11	2.5Y 4/2	98	10YR 4/6	2			SaGrL	
5-11	2.51 4/2	90	<u>101K 4/6</u>			M	Sagit	
11 15	2 EV E/2		10VD F/9	20			VC*Cal	
11-15	2.5Y 5/2	80	10YR 5/8			M	VGrSaL	
					· -			
¹ Type: C=Concer	ntration, D=Depletion,	RM=Reduced	d Matrix, CS=Covered	l or Coated Sai	nd Grains. ² Lo	ocation: PL=Pore Linii	ng, M=Matrix.	
³ Texture: Sa = sar	nd; Si = silt; C = clay; I	L = loam or lo	amy. Texture Modifier	r: co = coarse;	f = fine; vf = very	fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indica	ators (Applicable to	all LRRs, unl	less otherwise noted	i):		Indicators for Pro	blematic Hydric Soils³:	
Histosol (A1)			Sandy Redox (S5))		2 cm Muck (A	.10)	
Histic Epipedo	on (A2)	-	Stripped Matrix (S	36)		Red Parent M	laterial (TF2)	
Black Histic (A		=	Loamy Mucky Mir	•	ept MLRA 1)		Dark Surface (TF12)	
Hydrogen Sul	•	-	Loamy Gleyed Ma	, , ,	, , ,	Other (Explain		
	ow Dark Surface (A11	<u>-</u>	X Depleted Matrix (F			Saloi (Explain	·····	
Thick Dark Su	· ·	<i>'</i>	Redox Dark Surfa	•				
		-		, ,			ophytic vegetation and wetla	
Sandy Mucky	• •	-	Depleted Dark Su			, ,,	present, unless disturbed or	•
Sandy Gleyed	d Matrix (54)	-	Redox Depression	ns (F8)		problematic.		
Restrictive Layer	r (if present):							
Туря	e: None					Hydric Soil		
Depth (inches):	N/A					Present?	Yes X	No
HYDROLOGY	,							
HYDROLOGY Wetland Hydrolo								
Wetland Hydrolo		uired; check a	all that apply)			Secondary Indicat	ors (2 or more required)	
Wetland Hydrolo	gy Indicators:	uired; check a		aves (B9) (exc	ept MLRA			
Wetland Hydrolo Primary Indicators X Surface Wate	gy Indicators: s (minimum of one req er (A1)	uired: check a -	Water-Stained Le		ept MLRA	Water-Stained	d Leaves (B9) (MLRA 1, 2,	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta	gy Indicators: s (minimum of one req er (A1) able (A2)	uired; check a -	Water-Stained Lea		ept MLRA	Water-Stained	d Leaves (B9) (MLRA 1, 2,	
Wetland Hydrolo Primary Indicators X Surface Wate	gy Indicators: s (minimum of one requer (A1) able (A2)	uired; check a - -	Water-Stained Le	В)	ept MLRA	Water-Stained 4A, and 4BDrainage Patt	d Leaves (B9) (MLRA 1, 2,	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water To X Saturation (A: Water Marks	rgy Indicators: s (minimum of one requer (A1) Table (A2) 3) (B1)	uired: check a - - -	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra	B) ates (B13)	ept MLRA	Water-Stainer 4A, and 4B Drainage Patt Dry-Season V	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A: Water Marks Sediment Dep	regy Indicators: s (minimum of one reger (A1) Table (A2) 3) (B1) posits (B2)	uired; check a - - - -	Water-Stained Leady 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide	B) ates (B13) Odor (C1)		Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (Ad Water Marks Sediment Dep Drift Deposits	egy Indicators: s (minimum of one requer (A1) sable (A2) 3) (B1) posits (B2) s (B3)	uired; check a - - - - -	Water-Stained Leady 1, 2, 4A, and 4E Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi	B) ates (B13) Odor (C1) heres along Liv		Water-Stainer 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic R	d Leaves (B9) (MLRA 1, 2,) verns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A: Water Marks Sediment Dep Drift Deposits X Algal Mat or C	rgy Indicators: s (minimum of one requer (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4)	uired; check a - - - - - -	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu	B) ates (B13) Odor (C1) heres along Lived Iron (C4)	ving Roots (C3)	Water-Stained 4A, and 4B Drainage Pate Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A) Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits	gy Indicators: s (minimum of one requer (A1) Table (A2) 3) (B1) posits (B2) s (B3) Crust (B4)	uired; check : - - - - - - -	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu	B) ates (B13) Odor (C1) heres along Livuced Iron (C4) action in Tilled S	ving Roots (C3) Soils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water To X Saturation (A) Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C	egy Indicators: s (minimum of one requer (A1) able (A2) 3) (B1) posits (B2) s (B3) Crust (B4) t (B5) Cracks (B6)	- - - - - -	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse	B) ates (B13) Odor (C1) heres along Livuced Iron (C4) action in Tilled S ed Plants (D1)	ving Roots (C3) Soils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (Aa Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C Inundation Vis	egy Indicators: s (minimum of one requer (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) s (B5) Cracks (B6) sible on Aerial Imager	- - - - - - y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu	B) ates (B13) Odor (C1) heres along Livuced Iron (C4) action in Tilled S ed Plants (D1)	ving Roots (C3) Soils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (Aa Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C Inundation Vis	egy Indicators: s (minimum of one requer (A1) able (A2) 3) (B1) posits (B2) s (B3) Crust (B4) t (B5) Cracks (B6)	- - - - - - y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse	B) ates (B13) Odor (C1) heres along Livuced Iron (C4) action in Tilled S ed Plants (D1)	ving Roots (C3) Soils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (Aa Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C Inundation Vis	egy Indicators: s (minimum of one requer (A1) fable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager	- - - - - - y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse	B) ates (B13) Odor (C1) heres along Livuced Iron (C4) action in Tilled S ed Plants (D1)	ving Roots (C3) Soils (C6)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A: Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg	egy Indicators: s (minimum of one requer (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager letated Concave Surfa	- - - - - - y (B7) - ce (B8)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresse	B) ates (B13) Odor (C1) heres along Livuced Iron (C4) action in Tilled S ed Plants (D1)	ving Roots (C3) Soils (C6) (LRR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)	
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A: Water Marks Sediment Dep Drift Deposits X Algal Mat or (I) Iron Deposits Surface Soil (I) Inundation Vis Sparsely Veg Field Observation	regy Indicators: s (minimum of one requer (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager petated Concave Surfarms: resent? Yes	- - - - - - y (B7) - ce (B8)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospi Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	B) ates (B13) Odor (C1) heres along Liv uced Iron (C4) uction in Tilled 8 ed Plants (D1) Remarks)	ving Roots (C3) Soils (C6) (LRR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave I	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A)	No
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A: Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg Field Observation	egy Indicators: s (minimum of one requer (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager petated Concave Surfaces resent? Yes	- - - - - - y (B7) - cce (B8)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	ates (B13) Odor (C1) heres along Liviced Iron (C4) iction in Tilled Sed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave B	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	No
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A) Water Marks Sediment Dep Drift Deposits X Algal Mat or O Iron Deposits Surface Soil O Inundation Vis Sparsely Veg Field Observation Surface Water Pres	regy Indicators: s (minimum of one reger (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager retated Concave Surfares: resent? Yessent? Yessent? Yes	- - - - - - y (B7) - cce (B8)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	ates (B13) Odor (C1) heres along Liviced Iron (C4) iction in Tilled Sed Plants (D1) Remarks) Depth (inches	ving Roots (C3) Soils (C6) (LRR A)	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave B Wetland Hydrology	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	No
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A) Water Marks Sediment Dep Drift Deposits X Algal Mat or O Iron Deposits Surface Soil O Inundation Vis Sparsely Veg Field Observation Surface Water Pri Water Table Pres Saturation Preser (includes capillary)	regy Indicators: s (minimum of one reger (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager petated Concave Surfares resent? yes sent? yes y fringe)	y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	B) ates (B13) Odor (C1) heres along Lived Iron (C4) ction in Tilled Sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) 6): 5): 5	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	No
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A) Water Marks Sediment Dep Drift Deposits X Algal Mat or O Iron Deposits Surface Soil O Inundation Vis Sparsely Veg Field Observation Surface Water Pri Water Table Pres Saturation Preser (includes capillary)	regy Indicators: s (minimum of one reger (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager retated Concave Surfares: resent? Yessent? Yessent? Yes	y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	B) ates (B13) Odor (C1) heres along Lived Iron (C4) ction in Tilled Sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) 6): 5): 5	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	No
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A: Water Marks Sediment Dep Drift Deposits X Algal Mat or C Iron Deposits Surface Soil C Inundation Vis Sparsely Veg Field Observation Surface Water Pri Water Table Pres Saturation Preser (includes capillary Describe Record	regy Indicators: s (minimum of one reger (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager petated Concave Surfares resent? yes sent? yes y fringe)	y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	B) ates (B13) Odor (C1) heres along Lived Iron (C4) ction in Tilled Sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) 6): 5): 5	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	No
Wetland Hydrolo Primary Indicators X Surface Wate X High Water Ta X Saturation (A) Water Marks Sediment Dep Drift Deposits X Algal Mat or O Iron Deposits Surface Soil O Inundation Vis Sparsely Veg Field Observation Surface Water Pres Saturation Preser (includes capillary)	regy Indicators: s (minimum of one reger (A1) sable (A2) 3) (B1) posits (B2) s (B3) Crust (B4) c (B5) Cracks (B6) sible on Aerial Imager petated Concave Surfares resent? yes sent? yes y fringe)	y (B7)	Water-Stained Lea 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebra Hydrogen Sulfide Oxidized Rhizospl Presence of Redu Recent Iron Redu Stunted or Stresso Other (Explain in I	B) ates (B13) Odor (C1) heres along Lived Iron (C4) ction in Tilled Sed Plants (D1) Remarks) Depth (inches Depth (inches	ving Roots (C3) Soils (C6) (LRR A) 6): 5): 5	Water-Stained 4A, and 4B Drainage Patt Dry-Season V Saturation Vis X Geomorphic F Shallow Aquit X FAC-Neutral Raised Ant M Frost-Heave I Wetland Hydrology Present?	d Leaves (B9) (MLRA 1, 2,) erns (B10) Vater Table (C2) sible on Aerial Imagery (C9) Position (D2) ard (D3) Test (D5) ounds (D6) (LRR A) Hummocks (D7)	No

Project/Site: TDLE		City/County:	Federal Way, k	Kina County	Sampling Date:	2/25/2	2020
Applicant/Owner: Sound Transit			· ouorai rray, r	State: WA		Point: WF\	
Investigator(s): M. Murphy, A. Thom			 Se	ection, Township, Range:	T21N R0		
Landform (hillslope, terrace, etc.):	terrace		_	ief (concave, convex, none):		Slope (%):	None
Subregion (LRR): Northwest Forests and Coast (L	RR A))	Lat: 47.290117		g: -122.308600	 Datum:		
• , ,	**	8 to 15 percent slot -		· 	classification:	none	
Are climatic / hydrologic conditions on the site typical	for this time of y	rear?	Ye	s No X	(If no, explain in	Remarks)	
Are Vegetation No , Soil No	, or Hydrology	No significantly dis	sturbed? Are	e "Normal Circumstances" pr	esent?	Yes X	No
Are Vegetation No No No	, or Hydrology _	No naturally proble	ematic? (If	needed, explain any answers	s in Remarks.)		
SUMMARY OF FINDINGS - Attach site	map showin	g sampling poi	nt locations,	transects, important	features, etc.		
Hydrophytic Vegetation Present?	/esX	No	l				
Hydric Soil Present?	res X	No	Is the Sample				
Wetland Hydrology Present?	/es	No <u>X</u>	within a Wetla	and? Yes	No	X	
Precipitation: According to the Seattle Tacoma International NOAA Remarks: SP-2 is located approximately 10 feet upslope of SP-							P1.
VEGETATION							
	Absolute	Dominant	Indicator	Dominance Test worksh			
Tree Stratum (Plot size: r=3m)	% Cover	Species?	<u>Status</u>	Number of Dominant Spec			
Pseudotsuga menziesii	10%	Yes	<u>FACU</u>	That Are OBL, FACW, or F	=AC:	5	(A)
2	5%	Yes	<u>FAC</u>				
4. Thuja plicata	2%	No	FAC	Total Number of Dominant		_	
				Species Across All Strata:		7	(B)
(Dist = '-2m)	17%:	= Total Cover		Description of Description of Ones			
Sapling/Shrub Stratum (Plot size: r=2m)				Percent of Dominant Spec		<u>71%</u>	
Cytisus scopanus	5%	<u>Yes</u>	NOL	That Are OBL, FACW, or F		1170	(A/B)
2	5%	Yes	FACW	Prevalence Index worksl Total % Cover of:	neet: Multiply by:		
r seduoisaga menziesii	2%	No No	FACU	OBL species	x 1 =		
Thuja plicata 5.	2%	No	<u>FAC</u>	FACW species	x 1 =		
<u> </u>	14% :	= Total Cover		FAC species	x3=		
Herb Stratum (Plot size: r=1m)	1470	- Total Cover		FACU species	x		
,	40%	Voc	FAC	UPL species			
Lupinus polyphylllus Holcus lanatus	30%	Yes Yes	FAC FAC	Column Totals:	—(A)		—— (B)
Schedonorus arundinaceus	20%	Yes	FAC	Prevalence Inde	``		(/
4. Festuca rubra	10%	No	FAC	Hydrophytic Vegetation			
5.	1070	110	140	1 - Rapid Test for Hyd		า	
6.		·		X 2 - Dominance Test is	. ,		
7.		-		3 - Prevalence Index	is ≤3.0 ¹		
8.		-		4 - Morphological Ada		supporting	
9.		-		data in Remarks o	r on a separate she	et)	
10.		-		5 - Wetland Non-Vaso	cular Plants ¹		
11.				Problematic Hydrophy		olain) ¹	
Woody Vine Stratum (Plot size: <u>r=2m)</u>	100%	= Total Cover		¹ Indicators of hydric soil ar	nd wetland hydrolog	jy must	
1. None							
2	0%	= Total Cover		Hydrophytic Vegetation Present?	es X No		
Remarks:							

Parametrix

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SOIL							Sampling Point:	WFW-22-SP2
	on (Describe to the o	depth needed	to document the i	ndicator or co	nfirm the absen	nce of indicators):	- Camping Comm	
-	·					,.		
Depth (inches)	Color (moist)	%	Color (moist)	%	Features Type ¹	Loc ²	Texture ³	Remarks
(1 1 7			Color (moist)		Туре			Remarks
0-2	10YR 4/2	100					SaL	0.111
3-16	2.5Y 5/2	95	10YR 5/8	5	C	M	SaL	Cobbles
16-19	2.5Y 4/3	100	-		-		GrSa	
								
¹ Type: C=Concent	ration, D=Depletion,	RM=Reduced	Matrix, CS=Covere	ed or Coated Sa	ınd Grains. ² L	ocation: PL=Pore Linir	g, M=Matrix.	
³ Texture: Sa = san	d; Si = silt; C = clay; l	L = loam or loa	amy. Texture Modifi	er: co = coarse;	f = fine; vf = ver	y fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indica	tors (Applicable to	all LRRs, unl	ess otherwise note	ed):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)			Sandy Redox (S	(5)		2 cm Muck (A	10)	
Histic Epipedo	n (A2)	_	Stripped Matrix (•		Red Parent M	•	
Black Histic (A		-	Loamy Mucky M	` '	ept MLRA 1)		Dark Surface (TF12)	
Hydrogen Sulf	•	_	Loamy Gleyed N		-, • • • • • • •	Other (Explain		
	w Dark Surface (A11	_	X Depleted Matrix			Out (Explain		
Thick Dark Sui	*	· _	Redox Dark Sur					
Sandy Mucky I		=	Depleted Dark S			•	phytic vegetation and wetlar	nd
	• •	-				hydrology must be problematic.	present, unless disturbed or	
Sandy Gleyed	iviatrix (34)	_	Redox Depressi	OIIS (F6)		problematic.		
Restrictive Layer	(if present):							
Туре	: None					Hydric Soil		
Depth (inches):	N/A					Present?	Yes X	No
Remarks:								
HYDROLOGY								
Wetland Hydrolog	y Indicators:							
Primary Indicators	(minimum of one rea	uired; check a	II that apply)			Secondary Indicate	ors (2 or more required)	
Surface Water	· (Δ1)		Water-Stained L	= eaves (B9) (ev	cent MIRA	_	Leaves (B9) (MLRA 1, 2,	
High Water Ta		_	1, 2, 4A, and		SOPT WEIGH	4A, and 4B		
_				,				
Saturation (A3 Water Marks (I		_	Salt Crust (B11)			Drainage Patt	/ater Table (C2)	
	,	-	Aquatic Inverteb			 •	, ,	
Sediment Dep		_	Hydrogen Sulfid	, ,			ible on Aerial Imagery (C9)	
Drift Deposits	. ,	_	Oxidized Rhizos		- , ,		, ,	
Algal Mat or C	` ,	_	Presence of Rec	, ,		Shallow Aquita	` '	
Iron Deposits ((B5)	_	Recent Iron Red	luction in Tilled	Soils (C6)	FAC-Neutral T	est (D5)	
Surface Soil C	racks (B6)	_	Stunted or Stres	sed Plants (D1)) (LRR A)	Raised Ant Mo	ounds (D6) (LRR A)	
Inundation Vis	ible on Aerial Imager	y (B7)	Other (Explain ir	n Remarks)		Frost-Heave H	lummocks (D7)	
Sparsely Vege	tated Concave Surfa	ice (B8)						
Field Observation	s:							
Surface Water Pre	sent? Yes		No X	Depth (inches	s):	Wetland		
Water Table Prese			No X		s):	Hydrology	Yes	No X
Saturation Present			No X		s):	Present?		
(includes capillary		'	<u> </u>	Dehm (mone:	J	Fresents		
,	3- <i>)</i>							
Describe Recorde	ed Data (stream gau	ıge, monitorii	ng well, aerial phot	tos, previous i	nspections), if a	available:		
	_		-		•			
Remarks:								
soils moist but not	saturated.							

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Project/Site: 0	OMFS		City/County:	Federal Way/	King	Sampling I	Date: 4	4/20/2023
Applicant/Owner:	Sound Transit				State: \	WA Sam	pling Point:	WFW-32-SP1
Investigator(s):	Kaylee Moser, Aaron Thom				Section, Township, Range	e: T21N	N R04E S16	NE
Landform (hillslope	e, terrace, etc.):	swale		Local re	elief (concave, convex, none	e): concave	Slope	(%): <3%
Subregion (LRR):	Northwest Forests and Coast	(LRR A) l	.at: 48.028651	Lo	ng: <u>-122.993426</u>	Da	atum: NAD	1983 (HARN)
Soil Unit (Name-I		d gr sandy loam, 0 to		5	- Not Hydric	NWI classification:		None
,	rologic conditions on the site typic	,			'esNo		lain in Rema	,
Are Vegetation	no , Soil no	_	o significantly dis		Are "Normal Circumstance	•	Yes _	X_No
Are Vegetation	no , Soil no		naturally proble		If needed, explain any an	-		
	F FINDINGS - Attach sit			nt locations	, transects, import	ant features, e	ic.	
Hydrophytic Veg			No	Is the Sampl	led Area			
Hydric Soil Prese			No	within a Wet	Nama 10	V No.		
Wetland Hydrolo	gy Present?	YesX	No	Within a woo	mand? Yes	X No		
Precipitation:	Caettle Taeama Airport NOAA wa	other station presin	tation was balaw th	o normal ranga	for the three menths pri	or to the cite vicit		
According to the	Seattle Tacoma Airport NOAA we	ather station, precipi	tation was below th	ie normai range	for the three months price	or to the site visit.		
Remarks:								
Wetland swale co	nnected to stormwater pond. PS	S wetland SP. Paired	I with upland SP, W	/FW-32-SP2.				
VEGETATION	V							
		Absolute	Dominant	Indicator	Dominance Test wo	rksheet:		
Tree Stratum	(Plot size: 3x1m)	% Cover	Species?	Status	Number of Dominant	Species		
1. none					That Are OBL, FACV	V, or FAC:	2	(A)
2.								
3.		_			Total Number of Don	ninant		
4.					Species Across All S	trata:	2	(B)
		= `	Total Cover					
Sapling/Shrub S	tratum (Plot size: 2x1m)				Percent of Dominant	Species		
1. Rubus armei	niacus	60%	Yes	FAC	That Are OBL, FACV		<u>100%</u>	(A/B)
2. 3.					Prevalence Index w			
					Total % Cover of		<u>l.</u>	_
4.					OBL species	x 1 =		
5.					FACW species	x 2 =		
Harb Stratum	(Diet eine, 1v1m)	60% =	Total Cover		FACUL appeirs	x 3 = x 4 =		
Herb Stratum 1. Ranunculus	(Plot size: <u>1x1m)</u>	700/	V	F40	FACU species UPL species	x 5 =		
_		70%	Yes	FAC	Column Totals:	(A)		(B)
 Plantago land Poa pratensi 			<u>No</u> No	FACU FAC	_	ce Index = B/A =		(D)
4.	S	170	NO	FAC	Hydrophytic Vegeta			
5.						or Hydrophytic Vege	etation	
6.					X 2 - Dominance 1			
7.					3 - Prevalence I			
8.					4 - Morphologica	al Adaptations ¹ (Pro	vide support	ina
9.						arks or on a separat		3
10.		_			5 - Wetland Non	n-Vascular Plants ¹		
11.						drophytic Vegetation	າ (Explain) ¹	
-		81% =	Total Cover		¹ Indicators of hydric s	soil and wetland hyd	drology must	
Woody Vine Stra	tum (Plot size: 2x1m)				be present.			
1. <u>none</u>								
2.					Hydrophytic	V V	N.	
% Bare Ground	in Herb Stratum 19%	=	Total Cover		Vegetation Present?	Yes X	No	
% Bare Ground	III Herb Stratum 1976	<u> </u>			Present			
Remarks:								

Parametrix

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SOIL							Sampling Point:	WFW-32-SP1
Profile Description	on (Describe to the	depth neede	d to document the i	ndicator or co	nfirm the absenc	e of indicators):		
Depth	Matrix	-			Features	•		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture ³	Remarks
0-5	10YR 2/2						GrSaL	rtomanto
							0.042	
5-14	2.5Y 5/1	90	10YR 5/8	10			GrSaL	
0-1-	2.01 0/1	30	10111 3/0	10			OroaL	
14-16	2.5Y 5/1	90	10YR 5/8	10			SaL	Cobbles
14-10	2.01 0/1	30	10111 3/0	10			Our	CODDICS
¹ Type: C=Concen	tration, D=Depletion,	RM=Reduce	d Matrix, CS=Covere	d or Coated Sa	nd Grains. ² Lo	cation: PL=Pore Linir	ng, M=Matrix.	
³ Texture: Sa = sar	nd; Si = silt; C = clay;	L = loam or lo	amy. Texture Modifi	er: co = coarse;	f = fine; vf = very	fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indica	ators (Applicable to	all LRRs, un	less otherwise note	d):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)		_	Sandy Redox (S	5)		2 cm Muck (A	10)	
Histic Epipedo	on (A2)		Stripped Matrix (S6)		Red Parent M	aterial (TF2)	
Black Histic (A	A 3)	-	Loamy Mucky M	ineral (F1) (exc	ept MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Sul	fide (A4)	-	Loamy Gleyed N	latrix (F2)		Other (Explain	n in Remarks)	
	ow Dark Surface (A11)	X Depleted Matrix				,	
Thick Dark Su			Redox Dark Sur			3		
Sandy Mucky	, ,	-	Depleted Dark S				ophytic vegetation and wetlar present, unless disturbed or	nd
Sandy Gleyed	` '	-	Redox Depressi			problematic.	present, unless disturbed or	
	* *	-			1	<u>'</u>		
Restrictive Layer	,							
	e: none					Hydric Soil		
Depth (inches):	na					Present?	Yes X	No
HYDROLOGY	•							
Wetland Hydrolog	gy Indicators:							
Primary Indicators	(minimum of one reg	uired; check	all that apply)			Secondary Indicate	ors (2 or more required)	
Surface Wate	r (A1)		Water-Stained L	- eaves (B9) (exc	ent MI RA	Water-Stained	Leaves (B9) (MLRA 1, 2,	
X High Water Ta		-	1, 2, 4A, and			4A, and 4B		
X Saturation (A3			Salt Crust (B11)	,		Drainage Patt		
Water Marks	,	-	Aquatic Inverteb	rates (B13)			Vater Table (C2)	
Sediment Dep		-	Hydrogen Sulfide	,			ible on Aerial Imagery (C9)	
Drift Deposits		-	Oxidized Rhizos		ving Poots (C3)	X Geomorphic F		
Algal Mat or C	` ,	-	Presence of Rec		villy Roots (C3)	Shallow Aquit	, ,	
		-	Recent Iron Red	. ,	Soile (C6)		. ,	
Iron Deposits		-			, ,	FAC-Neutral 1		
Surface Soil C	` '	- (DZ)	Stunted or Stres		(LRR A)		ounds (D6) (LRR A)	
	sible on Aerial Imager	-	Other (Explain ir	Remarks)		Frost-Heave F	lummocks (D7)	
Sparsely Vege	etated Concave Surfa	ice (B8)						
Field Observation	ns:							
Surface Water Pro	esent? Yes		No X	Depth (inches	s):	Wetland		
Water Table Pres	ent? Yes	X	No	Depth (inches	s):2	Hydrology	Yes X	No
Saturation Preser		Х	No	Depth (inches	s): surface	Present?		
(includes capillary	/ fringe)							
December December	lad Data (ctivision		ina wall a!-!!			reliable.		
Describe Record	led Data (stream gau	ige, monitor	ing well, aerial pho	os, previous ii	ispections), if av	/ailable:		
Remarks:								
iveillai və.								

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Project/Site: OMFS		City/County:	Federal Way/l	King S	ampling Date: 4/20/2023
Applicant/Owner: Sound Transit				State: WA	Sampling Point: WFW-32-SP2
Investigator(s): Kaylee Moser, Aaron Tho	om			Section, Township, Range:	T21N R04E S16 NE
Landform (hillslope, terrace, etc.):	0		Local re	elief (concave, convex, none): no	one Slope (%): None
Subregion (LRR): Northwest Forests and Co	oast (LRR A)	Lat: 47.312443	Lor	ng: -122.302611	Datum: NAD 1983 (HARN)
Soil Unit (Name-ID-Hydric Rating): Ald	lerwood gr sandy loam,	to 8% slopes -	5	- Not Hydric NWI class	sification: None
Are climatic / hydrologic conditions on the site	typical for this time of ye	ear?	Y	es No X (I	f no, explain in Remarks)
Are Vegetation <u>no</u> , Soil <u>n</u>		no significantly dis		re "Normal Circumstances" present	
Are Vegetation, Soil	o, or Hydrology	no naturally proble	ematic? (If	f needed, explain any answers in Re	emarks.)
SUMMARY OF FINDINGS - Attach	n site map showin	g sampling poi	nt locations	, transects, important feati	ures, etc.
Hydrophytic Vegetation Present?	Yes <u>X</u>	No			
Hydric Soil Present?	Yes X	No	Is the Sampl		
Wetland Hydrology Present?	Yes	No <u>X</u>	within a Wet	land? Yes	No X
Precipitation: According to the Seattle Tacoma Airport NOA. Remarks:	A weather station, preci	pitation was below th	ne normal range	for the three months prior to the sit	e visit.
Flat area near fenceline upslope of WFW-32-8	SP1. Upland SP paired v	vith WFW-32-SP2.			
VEGETATION					
	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 3x1m)	% Cover	Species?	<u>Status</u>	Number of Dominant Species	
1. <u>none</u> 2.				That Are OBL, FACW, or FAC:	(A)
3.					
4.				Total Number of Dominant	
4.				Species Across All Strata:	(B)
D 1 10 10 1 10 1 10 10 10 10 10 10 10 10		Total Cover			
Sapling/Shrub Stratum (Plot size: 2x1m) 1. Pubus armeniacus				Percent of Dominant Species	4000/
Nubus armeniacus	60%	Yes	FAC	That Are OBL, FACW, or FAC:	<u>100%</u> (A/B)
2. Photinia glabra 3.	5%	No	FAC	Prevalence Index worksheet: Total % Cover of: M	fultiply by:
					·
4.					1 =
5.		T			2 =
Herb Stratum (Plot size: 1x1m)		Total Cover		· · · · · · · · · · · · · · · · · · ·	3 = 4 =
, ,		V	F40		5 =
- Tod pratorior	90%	Yes	FAC	Column Totals: (A	
Chamaenerion angustifolium 3.	10%	No	<u>FACU</u>	Prevalence Index =	·`` · ·
4.		-		Hydrophytic Vegetation Indica	
5.		-		1 - Rapid Test for Hydroph	
6.		-		X 2 - Dominance Test is >50°	•
7.		-		3 - Prevalence Index is ≤3.	
8.		-		4 - Morphological Adaptation	
9.		-		data in Remarks or on a	
10.				5 - Wetland Non-Vascular I	
11.		-		Problematic Hydrophytic V	
Woody Vine Stratum (Plot size: 2x1m)		Total Cover		¹ Indicators of hydric soil and we be present.	• , ,
1. <u>none</u>				Hudnank -41 -	
2.		Total Cover		Hydrophytic Vegetation Yes	Y No
% Bare Ground in Herb Stratum 09		Total Cover		Vegetation Yes Present?	XNo
Remarks:				•	

Parametrix

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SOIL						Sampling Point:	WFW-32-SP2
Profile Description (Des	cribe to the dept	h needed to document	the indicator or co	nfirm the absen	nce of indicators):	, ,	
Depth	Matrix			Features	,		
	r (moist)	% Color (moi		Type ¹	Loc ²	Texture ³	Remarks
		100	31) /0	1,700	Loc	GrSaL	Remarks
						GrSaL	with achblo
9-16 2.	5Y 6/1	99 10YR 5/0			M	GISAL	with cobble
							
							
							
<u> </u>							
			<u> </u>				
¹ Type: C=Concentration,					ocation: PL=Pore Linin	=	
³ Texture: Sa = sand; Si =				; f = fine; vf = ver	ry fine; + = heavy (more	clay); - = light (less clay)	
Hydric Soil Indicators (A	pplicable to all L	RRs, unless otherwise	noted):		Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (A1)		Sandy Red	ox (S5)		2 cm Muck (A	10)	
Histic Epipedon (A2)		Stripped Ma	atrix (S6)		Red Parent M	aterial (TF2)	
Black Histic (A3)		Loamy Muc	ky Mineral (F1) (exc	ept MLRA 1)	Very Shallow	Dark Surface (TF12)	
Hydrogen Sulfide (A4	.)	Loamy Gle	ed Matrix (F2)		Other (Explain	n in Remarks)	
X Depleted Below Dark	Surface (A11)	X Depleted M	atrix (F3)		<u> </u>		
Thick Dark Surface (A	A12)	Redox Darl	Surface (F6)		3, ,, , , , ,		
Sandy Mucky Minera	I (S1)	Depleted D	ark Surface (F7)			ophytic vegetation and wetla present, unless disturbed or	
Sandy Gleyed Matrix			ressions (F8)		problematic.	present, unless disturbed of	
Postrictive Laver (if pre-	cont):						
Restrictive Layer (if pres	•				Hydric Soil		
Type: none					-	Van V	No
Depth (inches):	na				Present?	Yes X	No
HYDROLOGY							
Wetland Hydrology Indi	cators:						
Primary Indicators (minim		f. check all that apply)			Secondary Indicate	ors (2 or more required)	
Surface Water (A1)	ann or one required		ed Leaves (B9) (exc	cont MI DA	·	Leaves (B9) (MLRA 1, 2,	
High Water Table (A2)\	1, 2, 4A,		Sept WLIVA	4A, and 4B		
Saturation (A3)	-)	Salt Crust (•		Drainage Patt		
Water Marks (B1)			ertebrates (B13)			Vater Table (C2)	
Sediment Deposits (E	20)	 '	Sulfide Odor (C1)			ible on Aerial Imagery (C9)	
	52)			inima Daata (C2)			
Drift Deposits (B3)	4)		hizospheres along L		Geomorphic F	` '	
Algal Mat or Crust (B	4)		f Reduced Iron (C4)		Shallow Aquit		
Iron Deposits (B5)	DO)		Reduction in Tilled		FAC-Neutral 1		
Surface Soil Cracks (•		Stressed Plants (D1)	(LRR A)		ounds (D6) (LRR A)	
Inundation Visible on	• • •	· — ` ·	ain in Remarks)		Frost-Heave F	lummocks (D7)	
Sparsely Vegetated (Concave Surface (E	38)					
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inche		Wetland		
Water Table Present?	Yes	No X	Depth (inche		Hydrology	Yes	No X
Saturation Present?	Yes	No X	Depth (inches	s):	Present?		
(includes capillary fringe)							
Describe Recorded Dat	a (stream gauge,	monitoring well, aerial	photos, previous i	nspections), if a	available:		
Remarks:							
Norman No.							

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