APPENDIX J

Terrestrial Ecological Evaluation Supporting Documents

APPENDIX J.1

U.S. Army Corps of Engineers Wetland Delineation Forms

Project/Site: Vashon Island Closed Landfill West Hill	Islope	City	//County: I	King County		e: <u>5/9/2019</u>		
Applicant/Owner: King County				Stat	e: WA	Sampling Point: DP 01		
Investigator(s): Joe Pursley, Nikole Stout		Sec	ction, Towr	nship, Range				
Landform (hillslope, terrace, etc.): depression		 Loc	al relief (c	oncave, con	vex, none): conca	rex, none): concave Slope (%): 5		
Subregion (LRR): A	Lat: 47 2				22 30'9.95"W		WGS84	
Soil Map Unit Name: Alderwood and Kitsap soils, ver			-		NWI Classific			
Are climatic / hydrologic conditions on the site typica		of vear	? () Ye	es		ain in Remarks	1	
Are Vegetation , Soil , or Hydrology		-		_	Normal Circumstan		,	
	significantly						_	
Are Vegetation , Soil , or Hydrology ,	naturally prol			•	eded, explain any a		,	
SUMMARY OF FINDINGS – Attach site r	map snowii	ng sa	mpling	ooint loca	ations, transec	ts, importai	nt features, etc.	
Hydrophytic Vegetation Present? Yes	○ No		lo tha	. Compled /	*			
Hydric Soil Present? Yes	○ No			e Sampled <i>A</i> n a Wetland		Yes	○ No	
Wetland Hydrology Present? Yes	○ No		***************************************	Ta Trottaile	•			
Remarks:			to Manala	This was the co	al Constitution of the const		and because to advants.	
Monthly precipitation was above average in Februa connected to seep wetlands.	ry and below a	verage	in March.	This wetlan	d is within a depres	ssion adjacent a	ind hydrologically	
Commoded to coop Wellands.								
VEGETATION – Use scientific names of	plants.							
	-		D 1 "	1 11 1	Dominance Test	t worksheet:		
Tree Stratum (Plot size: 30ft x 30ft)		om. Sp.?	Relative % Cover	Indicator Status				
1.	70 OOVCI (<u> </u>	70 OOVCI	Otatus	Number of Domir That Are OBL, F		4 (A)	
2.					Total Number of		((*)	
3.			•		Species Across A		4 (B)	
4.					Percent of Domir	nant Species		
	=	Total C	Cover		That Are OBL, FA		100.0% (A/B)	
Sapling/Shrub Stratum (Plot size: 15ft x 15ft)								
Rubus spectabilis	45	Υ	90.0	FAC	Prevalence Inde	x worksheet:		
2. Vaccinium ovatum	5	N	10.0	FACU	Total % Cov		Multiply by:	
3	·				OBL species		1 = 30	
4					FACW species		2 = 30	
5	50 =	Total C	`ovor		FACIL appoins		3 = <u>135</u> 4 = 20	
Herb Stratum (Plot size: 5ft x 5ft)	=	Total C	ovei		FACU species UPL species		4 = 20 $5 = 0$	
Lysichiton americanus	15	Υ	33.3	OBL	Column Totals:	95 (A		
Scirpus microcarpus	15	Y	33.3	OBL	•		,	
3. Epilobium watsonii	15	Υ	33.3	FACW	Prevalence	Index = B/A =	2.263	
4.					Hydrophytic Veg	getation Indica	tors:	
5					1 - Rapid Tes	st for Hydrophyt	ic Vegetation	
6					2 - Dominano	ce Test is >50%		
7						e Index is ≤3.0°		
8							ns ¹ (Provide supporting separate sheet)	
9.								
10. 11.						Non-Vascular P	getation¹ (Explain)	
· · · · · · · · · · · · · · · · · · ·	45 =	Total C	`over					
Woody Vine Stratum (Plot size: 15ft x 15ft)		Total C	ovei		present, unless d		land hydrology must be	
1					procent, unicoo d		olomatic.	
2.	· -				Hydrophytic			
	=	Total C	Cover		Vegetation	Yes	○ No	
% Bare Ground in Herb Stratum55					Present?	● 162	Ŭ NU	
Remarks:								
Obligate and FACW plants dominate the herb strate	um.							

Profile Des	cription: (De	escribe to	the depth	needed t	o docum	ent the i	ndicator	or confir	m the absence of i	ndicators.)			
Depth Matrix						x Featur							
(inches)	Color (m		%	Color (r	noist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks		
0-4	10YR	2/1	100						Sandy Silt				
4-9	10YR	2/1	90	10YR	4/1	5	<u>D</u>	M	Sandy Silt				
				10YR	3/4	5	С	M	Sandy Silt	concentration	on is faint		
9-18	10YR	2/1	40	10YR	3/4	5	С	М	Sandy Silt	concentration	on is distinc	t	
	10YR	4/1	55						Sandy Silt				
							· <u></u>						
¹Tvpe: C=C	oncentration,	D=Deplet	on. RM=Re	educed M	atrix. CS=	Covered	or Coate	d Sand G	Grains. ² Loo	cation: PL=Pc	re Linina. M	=Matrix.	
	Indicators:									rs for Proble			
Histosol	(A1)			Sandy	Redox (S5	5)			2 cm	Muck (A10)			
Histic Ep	pipedon (A2)			≕ ''	d Matrix (. ,			=	Parent Materia	, ,		
	stic (A3)		Ļ	=	_) (except	MLRA 1)		Shallow Dark		12)	
	en Sulfide (A4	-	\11\	=	Gleyed M)		U Othe	r (Explain in F	Remarks)		
_ :	d Below Dark ark Surface (<i>i</i>		()	≕ .	ed Matrix Dark Surf				3Indicato	rs of hydroph	vtic vegetati	on and	
	lucky Mineral			=	ed Dark S	` '	7)			nydrology mu			
_	Sleyed Matrix			≕ :	Depressio	•	•			sturbed or pro	•	,	
Restrictive	Layer (if pre	esent):											
Туре:													
Depth (ir	nches):								Hydric Soil Pr	esent?	Yes	○ No	
Remarks:				<u> </u>									
The matrix i	s mixed with	dark chror	na and dep	leted soil	s with red	ox featur	es presen	nt.					
HYDROLO													
-	drology Ind												
	icators (minir	num of on	e required;				- (DO) (ry Indicators (
	Water (A1) iter Table (A2	2)		∐ Wa	ater-Staine MLRA 1,		s (B9) (ex	cept		r-Stained Lea A, and 4B)	ves (B9) (M	LRA 1, 2,	
✓ Saturatio		<u> </u>		☐ Sa	It Crust (E		110 4 <i>D)</i>		_	age Patterns	(B10)		
	larks (B1)			=	uatic Inve	•	s (B13)		Dry-Season Water Table (C2)				
	nt Deposits (E	32)		√ ну	drogen Sı	ulfide Od	or (C1)		Saturation Visible on Aerial Imagery (C9)				
Drift De	oosits (B3)			Ох	idized Rh	izosphere	es along Li	iving Roo	its (C3) Geon	norphic Positio	on (D2)		
	it or Crust (B	4)		_			I Iron (C4)			ow Aquitard (
	oosits (B5)	D()		=			n in Tilled	•	<i>'</i>	Veutral Test (•	^	
	Soil Cracks (E on Visible on	•	agony (P7)	_	unted or S her (Expla		Plants (D1) (LRR A	´ =	d Ant Mounds -Heave Humn	` , `	A)	
	Vegetated C				nei (Expia	ani ni Kei	iiai ks)			-Heave Hullin	IUCKS (D1)		
Field Obse			(==)										
	ter Present?	Yes	○ No) Dei	pth (inche	s):	8						
Water Table		Yes	O No		pth (inche		0						
Saturation F		Yes	○ No		pth (inche		0	— I w	etland Hydrology F	resent?	Yes	○ No	
	pillary fringe					~,· <u> </u>				. 5001111			
Describe Re	ecorded Data	(stream g	auge, moni	toring we	ll, aerial p	hotos, pi	revious ins	spections	s), if available:				
Remarks:													
	ater present i	n the wetla	nd.										
	-												

Project/Site: Vashon Island Closed Landfill West Hill	slope	Ci	ty/County:	King County		te: 5/9/2019	: 5/9/2019		
Applicant/Owner: King County			_	Stat	e: WA	int: DP 02	nt: DP 02		
Investigator(s): Joe Pursley, Nikole Stout		Se	ection, Towr	nship, Range	,				
Landform (hillslope, terrace, etc.): depression					vex, none): conve	ex	Slope (%):	5	
Subregion (LRR): A	Lat: 47		,	•	22 30'9.67"W		: WGS84		
Soil Map Unit Name: Alderwood and Kitsap soils, ver		20 0.00	711			cation: None			
·	· '	-4	-0 V	- N			- \		
Are climatic / hydrologic conditions on the site typica		-		_	•	lain in Remark	,	O	
Are Vegetation, Soil, or Hydrology	significantly				Normal Circumstan		_	○ No	
Are Vegetation, Soil, or Hydrology	naturally pr			•	eded, explain any a		,		
SUMMARY OF FINDINGS – Attach site r	nap show	ing s	ampling _l	point loca	ations, transec	ts, importa	nt feature	s, etc.	
Hydrophytic Vegetation Present? Yes	No								
Hydric Soil Present?	No No			e Sampled <i>A</i> n a Wetland		○ Yes	No		
Wetland Hydrology Present? Yes	● No		Within	ii a vvetiaiio	ır	O les	U NO		
Remarks:			•						
Monthly precipitation was above average in Februa	ry and below	averag	e in March.						
VEGETATION – Use scientific names of	nlante								
regeration – use scientific fiames of	piants.			1	B T				
T 0: (D) (: 00% 00%)		Dom.	Relative	Indicator	Dominance Tes				
Tree Stratum (Plot size: 30ft x 30ft)	% Cover	Sp.?	% Cover	Status	Number of Domi	•	0	(A)	
Thuja plicata Alnus rubra		Y	71.4	FAC FAC	That Are OBL, F		2	(A)	
3. Acer macrophyllum	<u>15</u> 5	N	7.1	FACU	Total Number of Species Across A		6	(P)	
4.		IN		TACO	•			_ (B)	
	70 =	= Total	Cover		Percent of Domir That Are OBL, F	•	33.3%	(A/B)	
Sapling/Shrub Stratum (Plot size: 15ft x 15ft)		- Total	00101		1110(7110 052, 17	, 1011, 0, 1710.	00.070	_ (,,,,)	
1. Ilex aquifolium	20	Υ	33.3	FACU	Prevalence Inde	x worksheet:			
2. Rubus ursinus	15	Υ	25.0	FACU	Total % Cov	er of:	Multiply by:		
3. Vaccinium ovatum	15	Υ	25.0	FACU	OBL species	0 x	1 = 0		
4. Rubus spectabilis	10	N	16.7	FAC	FACW species	0 x	2 = 0		
5					FAC species	80 x	3 = 240	_	
	60 =	= Total	Cover		FACU species		4 = 540	_	
Herb Stratum (Plot size: 5ft x 5ft)					UPL species		5 = 0		
1. Polystichum munitum	75	<u>Y</u>	88.2	FACU	Column Totals:	215 (A) 780	^(B)	
2. Athyrium filix-femina	<u>5</u>	N	5.9	FACU	Prevalence	e Index = B/A =	3.628		
3. Equisetum arvense 4.		N	5.9	FAC	Hydrophytic Veg	getation Indic	ators:		
5.						st for Hydrophy		n	
6.						ce Test is >509	_		
7.					3 - Prevalenc	ce Index is ≤3.0	O ¹		
8.					4 - Morpholog	gical Adaptatio	ons¹ (Provide	supporting	
9.		J			data in Re	emarks or on a	a separate she	eet)	
10.					5 - Wetland	Non-Vascular I	Plants ¹		
11					Problematic	Hydrophytic V	egetation¹ (Ex	plain)	
	85 =	= Total	Cover		¹ Indicators of hyd			gy must be	
Woody Vine Stratum (Plot size: 15ft x 15ft)					present, unless of	disturbed or pro	oblematic.		
1									
2		= Total	Cover		Hydrophytic Vegetation				
% Bare Ground in Herb Stratum		- rotal	COVEI		Present?	O Yes	s	0	
Remarks:									
FACU or FAC vegetation is dominant in the upland	area.								

	scription: (De		the dept	h needed t				or confir	m the absence of	indicators.)			
Depth (inches)	Color (n	Matrix	%	Color (r		ox Featur %	res Type¹	Loc ²	Texture		Remarks		
0-4	10YR	3/3	100	<u>Color (I</u>	noist)	/0	Туре			Coarco	rganics in soi		
4-9	101R	3/4	100			-			Loam Loam			ı	
9-14	101R	4/3	40						Sandy Loam	Coarse in	Coarse roots in soil		
9-14	101R 10YR		60			-				_			
14-18	2.5Y	5/4 5/2	95	10YR	4/4				Sandy Loam				
14-10	2.31	3/2	95	IUTK	4/4			<u>M</u>	Silty Sand				
				-	· ——								
					·		· ——						
¹Type: C=C	oncentration,	D-Denle	tion RM-	Reduced M	latrix CS:	-Covered	or Coate	ed Sand G	Grains 2	ocation: PL =	Pore Lining, N	M-Matrix	
	Indicators:							d Garia C			olematic Hyd		
Histosol					Redox (S		•		☐ 2 c	m Muck (A10))		
	pipedon (A2)			=	d Matrix					d Parent Mate	` ,		
. =	istic (A3)	4.					I) (except	MLRA 1)			rk Surface (T	F12)	
	en Sulfide (A4 d Below Dark		(A11)	=	Gleyed M ed Matrix)			er (Explain i	n Remarks)		
	ark Surface ((,,,,	= .	Dark Surf	. ,			³ Indica	tors of hydro	phytic vegetat	tion and	
_	Mucky Minera			= '	ed Dark S	-	7)		wetland	d hydrology n	nust be prese		
	Gleyed Matrix			Redox	Depression	ons (F8)			unless	disturbed or	problematic.		
	Layer (if pre	esent):											
Type:									Undria Cail I	D=====40	O Yes	No	
Depth (in Remarks:	nches).			-					Hydric Soil	Present?	<u> </u>	<u> </u>	
HYDROLO	OGY												
Wetland Hy	ydrology Ind	icators:											
]	<u>licators (minir</u>	mum of o	<u>ne require</u>							,	s (2 or more		
	Water (A1)	2)		∐ Wa			s (B9) (e)	kcept		ter-Stained L 4A, and 4B)	eaves (B9) (N	/ILRA 1, 2,	
Saturati	ater Table (A2 on (A3)	2)		□ Sa	It Crust (I	, 2, 4A, aı 311)	11u 4b)			,	ns (B10)		
	Marks (B1)			=	uatic Inve	-	s (B13)		Drainage Patterns (B10) Dry-Season Water Table (C2)				
	nt Deposits (E	32)			drogen S						e on Aerial In	nagery (C9)	
	posits (B3)	4)				•		iving Roo	` ' =	morphic Pos			
	at or Crust (B posits (B5)	4)		=			l Iron (C4) on in Tilleo) d Soils (Ca	=	illow Aquitard C-Neutral Tes			
	Soil Cracks (I	B6)						1) (LRR A)			nds (D6) (LRR	? A)	
Inundat	ion Visible on	Aerial Im)	her (Expl						mmocks (D7)		
	y Vegetated C	Concave S	urface (B8	3)									
Field Obse		O	. 🕥	NI	- d- C - :	\							
	ater Present?	\simeq	\sim		pth (inche								
Water Table Saturation F		Yes	=	etland Hydrology	Present?	O Yes	No						
(includes ca	apillary fringe)			pth (inche			_	, ,,				
Describe Re	ecorded Data	s (stream	gauge, mo	onitoring we	II, aerial p	ohotos, pi	revious in	spections), if available:				
Remarks:				-6.05									
No hydrolog	gy indicators _l	present a	t the time	of the site v	risit.								

Project/Site: Vashon Island Closed Landfill West Hills	slope	Ci	ty/County: _l	King County		Sampling Date: 5/9/2019		
Applicant/Owner: King County			_	Stat	e: WA	Sampling Point: DP 03		
Investigator(s): Joe Pursley, Nikole Stout		Se	ection, Towr	nship, Range	e: 36/T23N/R2E			
Landform (hillslope, terrace, etc.): hillslope		Lo	cal relief (c	oncave, con	vex, none): none		Slope (%):	30
Subregion (LRR): A	Lat: 47	 25'59.7	'8"N	Long: 1	22 30'12.22"W	Datun	n: WGS84	
Soil Map Unit Name: Alderwood and Kitsap soils, ven	v steep			<u> </u>	NWI Classific	ation: None	-	
Are climatic / hydrologic conditions on the site typical		of vear	r? () Ye	es		ain in Remar		
Are Vegetation , Soil , or Hydrology	significantly	-	_	_	Iormal Circumstand		, 	○ No
Are Vegetation , Soil , or Hydrology	naturally pr				eded, explain any a	•	•	O
SUMMARY OF FINDINGS – Attach site n				•			,	as atc
					illons, transec	ts, import	ant reature	-5, 610.
Hydrophytic Vegetation Present? Yes	○ No		Is the	Sampled A	Area			
Hydric Soil Present? Wetland Hydrology Present? Yes Yes	○ No ○ No			n a Wetland		Yes	○ No	
Remarks:	<u> </u>							
Monthly precipitation was above average in Februar	v and below	averag	e in March.	This wetlan	d primarily receives	s water from	seeps in the h	nillslope.
, , , , , , , , , , , , , , , , , , , ,	,				, , , , , , , , , , , , , , , , , , , ,			
VEGETATION – Use scientific names of	plants.							
	Absolute	Dom.	Relative	Indicator	Dominance Test	worksheet:		
Tree Stratum (Plot size: 30ft x 30ft)	% Cover	Sp.?	% Cover	Status	Number of Domin	ant Species		
1. Alnus rubra	55	Υ	100.0	FAC	That Are OBL, FA	ACW, or FAC	: 3	_ (A)
2					Total Number of I			
3					Species Across A		5	_ (B)
4	55 =	= Total	Cover		Percent of Domin	•	. 60.00/	(A /D)
Sapling/Shrub Stratum (Plot size: 15ft x 15ft)	=	= TOtal	Covei		That Are OBL, FA	ACVV, OI FAC	00.0%	(A/B)
1. Ilex aquifolium	20	Υ	80.0	FACU	Prevalence Inde	x worksheet		
2. Rubus ursinus	5	Υ	20.0	FACU	Total % Cov	er of:	Multiply by:	
3.					OBL species	10	x 1 = 10	
4.					FACW species	0	x 2 = 0	_
5					FAC species	190	x 3 = <u>570</u>	
	25 =	= Total	Cover		FACU species		x 4 = 120	
Herb Stratum (Plot size: 5ft x 5ft)	60	v	40.0	FAC	UPL species		x = 0	(D)
Equisetum arvense Rubus spectabilis	50	Y	33.3	FAC FAC	Column Totals:	230	(A) <u>700</u>	(B)
3. Athyrium filix-femina	25	N	16.7	FAC	Prevalence	Index = B/A	= 3.043	
Lysichiton americanus	10	N	6.7	OBL	Hydrophytic Veg	etation Indi	cators:	
5. Vaccinium parvifolium	5	N	3.3	FACU	1 - Rapid Tes	t for Hydroph	ytic Vegetation	on
6.					2 - Dominanc	e Test is >50	%	
7					3 - Prevalence	e Index is ≤3	.0¹	
8					4 - Morpholog	, ,	,	
9.					_		a separate sh	ieet)
10 11.					5 - Wetland N Problematic F			volain)
···	150 =	= Total	Cover				-	
Woody Vine Stratum (Plot size: 15ft x 15ft)	100	- rotal	0010.		¹ Indicators of hyd present, unless d			ogy must be
1.								
2.					Hydrophytic			
	:	= Total	Cover		Vegetation	Ye	es ON	Jo.
% Bare Ground in Herb Stratum5	_				Present?	• 16		••
Remarks:								
Hydrophytic vegetation dominates the wetland area.	•							

Profile Des	scription: (De	escribe to	the dept	h needed to	o docum	ent the i	ndicator	or confir	m the absence of i	ndicators.)				
Depth														
(inches)	Color (r	noist)	%	Color (m	noist)	%	Type ¹	Loc ²	Texture		Remarks			
0-9	10YR	2/1	100						Silt Loam					
9-16			60	10YR	4/6	10	С	M	Silty Clay	concentration		ent		
	10YR	4/1	30						Silty Clay	2% oxidiz	ed rhizospher	es		
-														
	Concentration							d Sand G			Pore Lining, M			
Hydric Soi	I Indicators:	(Applicat	ole to all I	RRs, unles	ss other	wise note	ed.)		Indicato	rs for Prob	lematic Hydr	ic Soils³:		
Histoso				=	Redox (S					Muck (A10)				
	pipedon (A2)			=	d Matrix					Parent Mate	, ,			
	istic (A3)	4)				inerai (F1 latrix (F2)) (except	MLRA 1)	= '		rk Surface (TF	12)		
	en Sulfide (A ed Below Dark		Δ11)		d Matrix)			r (Explain in	remarks)			
. = .	ark Surface (,	,,,,,	= '		ace (F6)			3Indicato	rs of hydron	hytic vegetati	on and		
				=			7)							
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic.														
Restrictive	Layer (if pre	esent):												
Type:														
Depth (i	inches):								Hydric Soil Pi	esent?	Yes	○ No		
Remarks:														
	is depleted, v	with over 6	0% being	gleyed.										
HYDROL	OGY													
Wetland H	ydrology Ind	licators:												
Primary Ind	licators (minii	mum of or	ne require	d; check all	that appl	y)			<u>Seconda</u>	ry Indicators	s (2 or more r	equired)		
Surface	Water (A1)		•	☐ Wa	ter-Stain	ed Leave	s (B9) (ex	cept	☐ Wate	r-Stained Le	eaves (B9) (M	LRA 1, 2,		
-	ater Table (A	2)				, 2, 4A, aı	nd 4B)			A, and 4B)				
Saturati				=	t Crust (I	,	(0.4.0)		Drainage Patterns (B10)					
	Лarks (В1) nt Deposits (I	22)		= '		ertebrates ulfide Od			Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)					
	posits (B3)	52)		= 1	•		es along L	ivina Roo		ation visible norphic Posi		agery (C9)		
	at or Crust (B	34)		=		•	Iron (C4)		` ' =	ow Aquitard	` '			
-	posits (B5)	,		=			n in Tilled		=	Neutral Test				
Surface	Soil Cracks (B6)		Stu	inted or s	Stressed F	Plants (D1) (LRR A)) Raise	d Ant Moun	ds (D6) (LRR	A)		
	ion Visible or				ner (Expl	ain in Rer	narks)		Frost	-Heave Hum	nmocks (D7)			
Sparsely	y Vegetated (Concave Su	urface (B8)										
Field Obse	ervations:													
Surface Wa	ater Present?	\sim		No Dep	oth (inche	es):	8							
Water Tabl	e Present?	Yes	\sim	No Dep	oth (inche	es):	10							
Saturation I (includes ca	Present? apillary fringe	Yes Yes		No Dep	oth (inche	es):	9	w	etland Hydrology F	Present?	Yes	○ No		
Describe R	ecorded Data	(stream (gauge, mo	nitoring wel	l, aerial p	hotos, pr	evious ins	spections), if available:					
Remarks:														
	er table with s	aturation :	oresent wi	thin 12 inch	es of the	surface								
, tringir wate	A high water table with saturation present within 12 inches of the surface.													

Project/Site: Vashon Island Closed Landfill West Hill:	slope	Ci	ity/County:	King County		Sampling Date: 5/9/2019		
Applicant/Owner: King County			_	Stat	e: WA	Sampling Point: DP 04		
Investigator(s): Joe Pursley, Nikole Stout		Se	ection, Towr	nship, Range	e: 36/T23N/R2E		_	
Landform (hillslope, terrace, etc.): hillslope		Lo	ocal relief (c	oncave, con	vex, none): none		Slope (%): 30	
Subregion (LRR): A	Lat: 47	25'59.5	59"N	Long: 1	22 30'12.34"W	Datum	: WGS84	
Soil Map Unit Name: Alderwood and Kitsap soils, ver	v steep				NWI Classific	cation: None		
Are climatic / hydrologic conditions on the site typical		e of vea	r? () Ye	es		ain in Remark	s.)	
Are Vegetation , Soil , or Hydrology	significantl	-	_	_	Iormal Circumstand		,	
Are Vegetation , Soil , or Hydrology	naturally p	-			eded, explain any a	·	0	
SUMMARY OF FINDINGS – Attach site n	• •							
						,	The routures, etc.	
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	No No		Is the	Sampled A	Area			
Wetland Hydrology Present? Yes	● No		withi	n a Wetland	l?	O Yes	No	
Remarks:								
Monthly precipitation was above average in Februar	y and below	averag	je in March.					
,	•	·						
VEGETATION – Use scientific names of	plants.							
	Absolute	Dom.	Relative	Indicator	Dominance Test	t worksheet:		
<u>Tree Stratum</u> (Plot size: <u>30ft x 30ft</u>)	% Cover	Sp.?	% Cover	Status	Number of Domir	•		
1. Alnus rubra	45	<u>Y</u>	47.4	FAC	That Are OBL, FA	ACW, or FAC:	2 (A)	
2. Acer macrophyllum	30	<u>Y</u>	31.6	FACU	Total Number of		. (5)	
3. Thuja plicata	20	<u>Y</u>	21.1	FAC	Species Across A		8 (B)	
4	95	= Total	Cover		Percent of Domir That Are OBL, FA	•	25.0% (A/B)	
Sapling/Shrub Stratum (Plot size: 15ft x 15ft)	95	- Total	Cover		mat Ale OBL, 17	ACW, OI I AC.	(A/B)	
1. Rubus ursinus	20	Υ	80.0	FACU	Prevalence Inde	x worksheet:		
2. Gaultheria shallon	5	Y	20.0	FACU	Total % Cov	er of:	Multiply by:	
3.					OBL species	0 x	1 = 0	
4					FACW species	0 x	2 = 0	
5					FAC species		3 = 285	
	25	= Total	Cover		FACU species		4 = 500	
Herb Stratum (Plot size: 5ft x 5ft) 1. Polystichum munitum	25	Υ	25.0	FACU	UPL species Column Totals:		5 = 0 A) 785 (B)	
Rubus spectabilis	20	<u>'</u>	20.0	FACU	Column Totals.		A) <u>785</u> (B)	
3. Corylus cornuta	20	<u> </u>	20.0	FACU	Prevalence	Index = B/A =	3.568	
4. Urtica dioica	15	N	15.0	FAC	Hydrophytic Veg	getation Indic	ators:	
5. Tolmiea menziesii	5	N	5.0	FAC	1 - Rapid Tes	st for Hydrophy	tic Vegetation	
6. Galium aparine	5	N	5.0	FACU	2 - Dominano	ce Test is >50%	%	
7. Festuca rubra	5	N	5.0	FAC		e Index is ≤3.0		
8. Carex deweyana	5	N	5.0	<u>FAC</u>	_ · ·	•	ons¹ (Provide supporting	
9.					_		separate sheet)	
10. 11.						Non-Vascular I Hydrophytic W	egetation¹ (Explain)	
	100	= Total	Cover				,	
Woody Vine Stratum (Plot size: 15ft x 15ft)	100	_ rotar	00101		present, unless d		etland hydrology must be oblematic.	
1								
2.					Hydrophytic			
		= Total	Cover		Vegetation	O Yes	S No	
% Bare Ground in Herb Stratum					Present?			
Remarks:								
FACU or FAC vegetation is dominant in the upland	area.							

Profile Des	cription: (De	escribe to	the depth	needed to docur	nent the i	ndicator	or confir	n the absence of indica	tors.)	
Depth		Matrix		Color (moist)	dox Featur			_		
(inches)	nches) Color (moist) %				%	Type ¹	Loc ²	Texture	Remark	S
0-6	10YR	3/2	100					Sandy Loam		
6-12	10YR	3/3	100					Sandy Loam		
12-18	10YR	4/3	60					Silty Sand		
	10YR	5/3	40					Silty Sand		
				Reduced Matrix, CS			d Sand G		: PL=Pore Lining, I	
		(Applica	ble to all L	RRs, unless other		ed.)			Problematic Hyd	Iric Soils ³ :
Histosol			[[Sandy Redox (S				2 cm Muck	• •	
. = .	pipedon (A2) istic (A3)		[[Stripped Matrix Loamy Mucky N) (evcent	MIDA 1)	=	t Material (TF2) ow Dark Surface (T	F12)
	en Sulfide (A4	1)	l [Loamy Gleyed I			WILKA I)		olain in Remarks)	112)
	d Below Dark	-	(A11)	Depleted Matrix		,		(=)p	,	
_ = '	ark Surface (·	Redox Dark Su				3Indicators of h	nydrophytic vegeta	tion and
	Mucky Minera			Depleted Dark	-	7)			ogy must be prese	ent,
Sandy C	Gleyed Matrix	(S4)		Redox Depress	ions (F8)			unless disturbe	ed or problematic.	
Restrictive	Layer (if pre	esent):								
Type:										
Depth (i	nches):							Hydric Soil Present	t? Yes	No
Remarks:								•		
High chrom	a matrix.									
HYDROL	OGY									
Wetland Hy	ydrology Ind	icators:								
		mum of o	<u>ne required</u>	; check all that app	-				icators (2 or more	
_	Water (A1)			Water-Stai		. , .	cept	_	ned Leaves (B9) (N	MLRA 1, 2,
	ater Table (A	2)			I, 2, 4A, a	nd 4B)		4A, and	,	
Saturation				Salt Crust	` '	~ (D12)		= "	atterns (B10)	
	Marks (B1) nt Deposits (E	33)		Aquatic Inv				= '	n Water Table (C2) Visible on Aerial Ir	
	posits (B3)	32)		Oxidized R			ivina Root	_	c Position (D2)	nagery (C4)
	at or Crust (B	4)		Presence o				` ' '	uitard (D3)	
	posits (B5)	,		Recent Iron		٠,		=	al Test (D5)	
Surface	Soil Cracks (B6)		Stunted or	Stressed	Plants (D1) (LRR A)	Raised Ant	Mounds (D6) (LRF	R A)
	ion Visible on			Other (Exp	lain in Rer	marks)		Frost-Heav	e Hummocks (D7)	
	y Vegetated C	Concave S	urface (B8)							
Field Obse	rvations:									
Surface Wa	ater Present?	O Ye	s 🔘 N	lo Depth (inch	es):					
Water Table	e Present?	O Ye	s 🔘 N	lo Depth (inch	es):					
	apillary fringe			. ,				etland Hydrology Preser	nt? Yes	No
Describe Re	ecorded Data	stream	gauge, mor	nitoring well, aerial	photos, p	revious ins	spections	, if available:		
Remarks:										
	ny indicatore	nresent a	t the time o	f the site visit.						
1 10 Hydrolog	₂₇	prosent a	0	. and once viole.						