WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: WestPort 5. P		CityCount	y hes	7 por 7 Samplin	g Date: 4/13/21
Applicant/Owner: WA STILL Parks				State: Samplin	g Point: B-3
		Section, T		inge:	
Landform (hillslope, terracè, etc.): _ linter dunal					
A				_ Long:	
	Lal	-		NWI classification;	
Are climatic / hydrologic conditions on the site typical for thi					
Are Vegetation, Soil, or Hydrologys				"Normal Circumstances" present?	Yes No
Are Vegetation, Soil, or Hydrology r	naturally pro	oblematic?	✔ (If ne	eeded, explain any answers in Rem	arks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampli	ng point l	locations, transects, impor	tant features, etc.
Hydrophytic Vegetation Present? Yes X N	lo				1. Sec. 11. Sec. 1
	lo		the Sampled hin a Wetlar	Y	a start of the
	lo				
Remarks:					
Photos 961-963					
VEGETATION Use scientific names of plan	its.				
345	Absolute		nt Indicator	Dominance Test worksheet:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tree Stratum (Plot size: 30-) 1. <u>Piaus</u> (ontorta	<u>% Cover</u>	Species?	? <u>Status</u> <u>}</u>	Number of Dominant Species That Are OBL, FACW, or FAC:	<u> </u>
2	_			Total Number of Dominant	2
3	_			Species Across All Strata:	(B)
4	r			Percent of Dominant Species	10-
Sapling/Shrub Stratum (Plot size:)		= Total C	over	That Are OBL, FACW, or FAC:	100 (A/B)
1. Pinus Contoring	20	X	FAL	Prevalence Index worksheet:	1.1
2. Spirala douglasii	5	1	FACE		
3. L'unicera involverata	9		FAL	OBL species x	
4.		_		FACW species x	
5			1.0		3 =
5	9.1	= Total C	over	FACU species x UPL species x	
Herb Stratum (Plot size:)	70	\checkmark	oBL	Column Totals: (A	
1. <u>Carex</u> <u>or nueta</u>	15		FAI) (B)
2. Agrostis capillaris				Prevalence index = B/A =	
4				Hydrophytic Vegetation Indica	
5		-	-	1 - Rapid Test for Hydrophyl	
6.	1.3.5	1.1		2 - Dominance Test is >50% 3 - Prevalence Index is <3.0	
7.				4 - Morphological Adaptation	
8				data in Remarks or on a s	
9				5 - Wetland Non-Vascular Pl	ants ¹
10				Problematic Hydrophytic Veg	getation ¹ (Explain)
11				¹ Indicators of hydric soil and wetl	
(85	= Total Co	over	be present, unless disturbed or p	roblematic.
Woody Vine Stratum (Plot size:)	100				<u>.</u>
1 <i>N</i> [A				Hydrophytic Vegetation	1 -
2				Vegetation Present? Yes	No
% Bare Ground in Herb Stratum	-	= Total Co	over		
Remarks:					
Algal mat and leaf l	itter	Ξ	20%	0	

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

Sampling Point: <u>B-3</u>

Profile Description: (Describe to the dep					and appendix	the second se
Depth Matrix		Features	1 1		Texture	Remarks
$\frac{\text{(inches)}}{\partial - \partial \zeta} \xrightarrow{\text{Color (moist)}} \frac{\%}{100}$	Color (moist)	<u>%</u> <u>Typ</u>		.oc ²	7 6	
S	1040 34				Losa	and the second s
0 5-6 2. 57 4/1 99	10 YR 3/6			5	Sand	the second s
6-18 2.5/4/1 70	10YR 3/6	30 (5	Sand	
210039						the second s
	Constant of the second					
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			-		
	alugar branch					
¹ Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS	=Covered or C	coated S	and Gr		cation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to al						
Histosol (A1)	X Sandy Redox (S					n Muck (A10)
Histic Epipedon (A2)	Stripped Matrix			-		Parent Material (TF2) Shallow Dark Surface (TF12)
Black Histic (A3)	Loamy Mucky M		Cept ML	LRA 1)		er (Explain in Remarks)
Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11)	Loamy Gleyed M Depleted Matrix				_ 044	· · · · · · · · · · · · · · · · · · ·
Thick Dark Surface (A12)	Redox Dark Sur				³ Indicato	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark S					nd hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressi				unles	s disturbed or problematic.
Restrictive Layer (if present):	10-10-10-10-10-10-10-10-10-10-10-10-10-1	12.62.64	< 10.	A.		영양에 다 것 같은 것 같은 것이다.
Туре:	310 100 1000				and a second	V
Depth (inches):	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				Hydric Soil	Present? Yes No
Redox Starts jus	Think	6				
HYDROLOGY	Thithin	6				
HYDROLOGY Wetland Hydrology Indicators:					Seco	ndary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	ed; check all that apply	n	9) (exce	ept		
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> Surface Water (A1)	ed; check all that apply Water-Stai	/) ned Leaves (B		ept		ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> Surface Water (A1) High Water Table (A2)	ed; check all that apply Water-Stai MLRA	y) ned Leaves (B 1, 2, 4A, and 4		ept		Vater-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> Surface Water (A1) High Water Table (A2) Saturation (A3)	ed; check all that apply Water-Stai MLRA Salt Crust	y) ned Leaves (B 1, 2, 4A, and 4	В)	≥pt	v	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> Surface Water (A1) <u>High Water Table (A2)</u> Saturation (A3) Water Marks (B1)	ed; check all that apply Water-Stai Salt Crust Aquatic Inv	y) ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1	B) (3)	₽pt	v c	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> 	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S	() ned Leaves (B 1, 2, 4A, and 4 (B11)	B) 3) C1)		v c s	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) My-Season Water Table (C2)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> 	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inw Hydrogen S Oxidized R	() ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1 Sulfide Odor (C	B) 3) C1) long Livi		V C S ots (C3) C	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Staturation Visible on Aerial Imagery (C9
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> 	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence of	() ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1 Sulfide Odor (C chizospheres a	13) (C1) long Livi n (C4)	ing Roc	V C S ots (C3) S	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Seaturation Visible on Aerial Imagery (C9 Seomorphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> Surface Water (A1) <u>High Water Table (A2)</u> Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence o Recent Iro	/) ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1 Sulfide Odor (C thizospheres a of Reduced Iro	B) (3) (C1) long Livi n (C4) Tilled S	ing Roc	V C S ots (C3) C S 5)X F	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) brainage Patterns (B10) Dry-Season Water Table (C2) saturation Visible on Aerial Imagery (C9 Seomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> 	ed; check all that apply Water-Stai Salt Crust Aquatic Inw Hydrogen 3 Oxidized R Presence 0 Recent Iroo Stunted or 37) Other (Exp	y) ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1 Sulfide Odor (C chizospheres a of Reduced Iroo n Reduction in	B) (3) (C1) long Livi n (C4) Tilled So ts (D1) (ing Roc	V C S ots (C3) S S S F	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Staturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> 	ed; check all that apply Water-Stai Salt Crust Aquatic Inw Hydrogen 3 Oxidized R Presence 0 Recent Iroo Stunted or 37) Other (Exp	() ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1 Sulfide Odor (C thizospheres a of Reduced Iron n Reduction in Stressed Plan	B) (3) (C1) long Livi n (C4) Tilled So ts (D1) (ing Roc	V C S ots (C3) S S 5) F	Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) Faturation Visible on Aerial Imagery (C9 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	ed; check all that apply Water-Stai Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence 0 Recent Irou Stunted or 37) Other (Exp (B8) Depth (inv No Depth (inv Depth (inv	() ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B1 Sulfide Odor (C thizospheres a of Reduced Iron n Reduction in Stressed Plan valain in Remark ches): ches):	B) 3) C1) long Livi n (C4) Tilled So ts (D1) (ts)	ing Roc oils (C6 (LRR A		Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Seaturation 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)

Project/Site: West Post Light St	City	County: West	FPort	Sampling Date: 4-	13-21
Applicant/Owner: State REXKS		and the second second	State: WA	Sampling Point: Sr	<u>-B4</u>
pussignatoria) R Hmiri	Sec	tion, Township, Rar	nge:		
andform (hillslope, terrace, etc.): DUNE grad	be Loo	cal relief (concave, o	convex, none):Cor	NEK Slope (9	6): 6
Subregion (LRR):	Lat:	and a statement for the little	Long:	Datum:	
Soil Map Unit Name: DUNE Land			NWI classifi	cation: Uplance	<u>l</u>
Are climatic / hydrologic conditions on the site typical for th	is time of year?				
Are Vegetation, Soil, or Hydrology	significantly dist	urbed? Are "	Normal Circumstances"	present? Yes X	No
Are Vegetation, Soil, or Hydrology	naturally problem	matic? (If ne	eded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point lo	ocations, transect	s, important featu	res, etc.
Hydrophytic Vegetation Present? Yes Yes	No X	Is the Sampled within a Wetlar		No <u>_X</u>	
Phafos 47-49					
VEGETATION – Use scientific names of pla		ominant Indicator	Dominance Test wor	ksheet:	
Tree Stratum (Plot size: 30)	% Cover S	pecies? Status	Number of Dominant		
1. Pinus contorts		FAC	That Are OBL, FACW	, or FAC:	(A)
2			Total Number of Dom		(B)
4.			Species Across All St	V. A. C. V.	
151	=	Total Cover	Percent of Dominant) (A/B)
Sapling/Shrub Stratum (Plot size: 15)	5	Y FA	Prevalence Index wo	orksheet:	111
2. CUTISUS SCOPENSIUS	10	y UPL		Multiply by	2.2
3. Hupocheris Gate			the second se	x 1 =	
4		a state	the second se	x 2 =	
5		a set a set a se		x 3 = x 4 =	
Hart Stratum (Olataina) 5	-15-=	Total Cover		x 5 =	
Herb Stratum (Plot size:) 1. <u>Cavek obno pra</u>	10	OBL	Column Totals:		(B)
2. Hypochazris Vadicata	25	V FIACU	1	x = B/A =	,
3. Arrostis Stadoniform	15	FA	Hydrophytic Vegetat		
4. Bromos SD.	15			Hydrophytic Vegetation	1
5. UMENDOUN CARGE25	20	Y	2 - Dominance Te		
6. Tanacztum B. pinnatu	n 10	UPL	3 - Prevalence Ind	dex is ≤3.0 ¹	
7			4 - Morphological	Adaptations ¹ (Provide s	supporting
8	<u> </u>		5 - Wetland Non-	ks or on a separate she	et)
9				ophytic Vegetation ¹ (Ex	olain)
10 11	1.0.0		22	bil and wetland hydrolog	
	95=1	otal Cover		turbed or problematic.	
Woody Vine Stratum (Plot size:)					
1			Hydrophytic Vegetation	,	
۷		otal Cover	Present? Y	es No_K	_
				,	
% Bare Ground in Herb Stratum					

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5.8

SOIL

Sampling Point: SP-B4

Depth Matrix	n needed to document the indicator or confir	In the absence of maloutors.)
	Redox Features	2. 이사 전 것은 것은 것이 많이 많이 했다.
(inches) <u>Color (moist)</u> %	Color (moist) % Type ¹ Loc ²	
0-18 104R4/2 100		LFS
	And the second sec	and the second
¹ Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, CS=Covered or Coated Sand C	Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L	RRs, unless 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	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	이렇게 영상에 가라면 걸 때 가지?
Thick Dark Surface (A12)	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7)	wetland hydrology must be present,
Restrictive Layer (if present):	Redox Depressions (F8)	unless disturbed or problematic.
Type:	50 400	열 생각 그는 것을 걸었다. 승규는 것을 만들었다.
Depth (inches):		Huddie Call Descento Mars III N
Remarks:		Hydric Soil Present? Yes No K
Fill graded		1. Strangen and Strangen and
10		영상에 가지 않는 것이 집에서 가지 않는 것이다.
HYDROLOGY		
HYDROLOGY		
Wetland Hydrology Indicators:	check all that apply)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;		Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required;</u> Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required;</u> Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
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)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro 	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2)
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)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) 	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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 (B8	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks) }	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks) Depth (inches):	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks) Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Stunted or Stressed Plants (D1) (LRR 4 Other (Explain in Remarks) Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required;	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Ro Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION	DATA FORM -	Western Mou	ntains, Valleys, and	Coast Region
Project/site: Wastport Light S.F.				Sampling Date: 4-15-21
Applicant/Owner: State Parks				Sampling Point: SP-W-q1
Investigator(s): P. Hamidi	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		nge:	Sampling Point.
Landform (hillslope, terrace, etc.): INt2rdung		l relief (concerve		
Soil Map Unit Name: DUNE Land				Datum:
				ation: PEMIB
Are climatic / hydrologic conditions on the site typical for				
Are Vegetation, Soil, or Hydrology			Normal Circumstances" p	present? Yes K No
Are Vegetation, Soil, or Hydrology	_ naturally problem	atic? (If ne	eded, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing sar	npling point l	ocations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks: Yes	No No No	Is the Sampled	an appendix a series of	
				course work
VEGETATION – Use scientific names of pl			of a code free	the trees a const
Tree Stratum (Plot size: 30')		minant Indicator	Dominance Test work	sheet:
1	<u>% Cover</u> Spe	ecies? Status	Number of Dominant S	
2.			That Are OBL, FACW,	or FAC: (A)
3			Total Number of Domin Species Across All Stra	
4		1997 B. 1993 B. 199		
15'	• = T	otal Cover	Percent of Dominant S That Are OBL, FACW,	
Sapling/Shrub Stratum (Plot size: 15)	10 1	Y FACU	Prevalence Index wor	()
1. SP: Yaza douglassi 2. Rubus armeniacus		- Thu	Total % Cover of:	
3. Lonicera involuciate	$-\frac{6}{2}$	7	OBL species	x 1 =
A A		FAC	FACW species	x 2 =
5	ra IS	1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -	FAC species	x 3 =
-1		otal Cover		x 4 =
Herb Stratum (Plot size:)	1			x 5 =
1. Carex, convetz	90	<u>Y 08(</u>	Column Totals:	(A) (B)
2. Trifolium SP.			Prevalence Index	= B/A =
3			Hydrophytic Vegetatio	on Indicators:
4			1 - Rapid Test for H	Hydrophytic Vegetation
5			📈 2 - Dominance Tes	
6			3 - Prevalence Inde	
7				Adaptations ¹ (Provide supporting
8			data in Remarks	s or on a separate sheet)
9				phytic Vegetation ¹ (Explain)
10				il and wetland hydrology must
11	100 = To	tal Cover	be present, unless dist	
Woody Vine Stratum (Plot size: 15')	= 10	tal Cover	1.5 1 1.6 1	and the second second
1	2 1 2 1 1		Hydrophytic	
2			Vegetation	s 1 No
Standardia Unit States 5	<u> </u>	otal Cover	Present? Ye	
% Bare Ground in Herb Stratum				
Nonano.				2

SOIL

Sampling Point: SP-W-d1

Profile Description: (Describe to the de	pth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
0-6 6,54 4/2 100		LFS
6-18 254 412 95	10412414 5 C M	LFS
1		
¹ Type: C=Concentration, D=Depletion, RM	I=Reduced Matrix, CS=Covered or Coated Sand Gr	rains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a		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)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	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
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if present):		
Type:		
Depth (inches):	the second s	Hydric Soil Present? Yes K No
Remarks:		
HYDROLOGY	-g.:	e
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requir	ed; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 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 Room	ots (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)	6) 🖄 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 (Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface	(B8)	
Field Observations:	~	
	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	N
	No A Depth (inches): Weth	and Hydrology Present? Yes 🥂 No
(includes capillary fringe)	nonitoring well, aerial photos, previous inspections),	if available:
Describe Recorded Data (stream gauge, f	nonitoring weit, aenai priotos, previous inspections),	n available.
Remarks:		
moist below	2 6"	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	U U	

WETLAND DETERMINATION DAT		/ – Western	Mount	tains, Valleys,	and Coast	Region	
Project/Site: West Post Light SP	c	City/County:	wess	+ Port	Sampling	Date: 4-1	5-21
Applicant/Owner: State Parks			100	State: W	A Sampling	Point SP- 6	wid
0	A CONTRACTOR OF A			le:	ty_ camping		
Landform (hillslope, terrace, etc.): DUN2					DAVER	Slone (%):	2
A				Long:			
Soil Map Unit Name: DUNE LAND		10.7		NWI cla			/
Are climatic / hydrologic conditions on the site typical for this	time of yea	12 Yes K					
Are Vegetation, Soil, or Hydrology sig			2.0	ormal Circumstanc			
Are Vegetation, Soil, or Hydrology na				ded, explain any ar			·
SUMMARY OF FINDINGS – Attach site map s	howing	sampling po	oint lo	cations, transe	ects, impor	tant feature	s, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Bemerke: Yes No	K	Is the Sa within a V		rea ? Yes_	No	×	
Remarks: Photos 101-103			127				
VEGETATION – Use scientific names of plant	s.		South 1		1.6.1		
	Absolute	Dominant India Species? Sta		Dominance Test v	worksheet:		1000
1	<u>70 00ver</u>	opecies? Old		Number of Domina That Are OBL, FA		1	(A)
2	194		327	Sec. 2. 22 9		-	.,
3	1.1			Total Number of D Species Across All		3	(B)
4				Percent of Domina	int Species		
Sapling/Shrub Stratum (Plot size: 15')	0	= Total Cover		That Are OBL, FA		33	(A/B)
1. CY HISUS SCOPARIUS	2	U	PL	Prevalence Index	worksheet:		
2				Total % Cover		Multiply by:	
3		1.1.2.1.6		OBL species			
4				FACW species		the second se	
5				FACU species			_
Herb Stratum (Plot size: 5')	2_	= Total Cover				5 =	
1. Anmophila areneria	5	Y F		Column Totals:	(A)	and the second	(B)
2. Agrostis stolonifura	5	VE	AC.		ndex = B/A =		
3. Leontodon severilis	5	Y FA	xu-	Hydrophytic Vege			-
4. Fragaria Childensis	1.	F	ACU.	1 - Rapid Test			
5. Trifolium Sp.				2 - Dominance	e Test is >50%		
6. Polygonum Paronychia		0	IPL.	•	e Index is ≤3.0 ¹		
7				4 - Morpholog	ical Adaptation	s ¹ (Provide sup eparate sheet)	porting
0	1100				narks or on a s on-Vascular Pl		
9						etation ¹ (Explai	in)
11.				¹ Indicators of hydri	c soil and wetla	and hydrology r	
Woody Vine Stratum (Plot size: 15')	18	= Total Cover		be present, unless			
1				Hydrophytic			
2	0			Vegetation Present?	Yes	No V	
% Bare Ground in Herb Stratum 80 Remarks:		= Total Cover					

US Army Corps of Engineers

Sampling Point: SP-W-d2

Profile Desc	ription: (Describe	to the depth	needed to docum	ent the i	ndicator	or confirm	the absence of indicators.)
Depth	Matrix		Redox	Features			
(inches)	Color (moist)	%	Color (moist)			Loc ²	Texture Remarks
0-18	104/R 4/2	100	-	~	-	-	Sevel
							the second se
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			10.1	-			and the second
	oncentration, D=Dep					d Sand Gra	
Hydric Soil I	Indicators: (Applic	able to all LR	Rs, unless other	wise note	ed.)		Indicators for Problematic Hydric Soils ³ :
Histosol		_	_ Sandy Redox (S				, 2 cm Muck (A10)
	pipedon (A2)		_ Stripped Matrix (Red Parent Material (TF2)
Black Hi			Loamy Mucky M			MLRA 1)	Very Shallow Dark Surface (TF12)
	n Sulfide (A4)		Loamy Gleyed N)		Other (Explain in Remarks)
	d Below Dark Surfac	e (A11)	Depleted Matrix				³ Indicators of hydrophytic vegetation and
	ark Surface (A12) Nucky Mineral (S1)	-	Redox Dark Sur Depleted Dark S		7)		wetland hydrology must be present,
	Gleyed Matrix (S4)		_ Redox Depressi		"		unless disturbed or problematic.
	Layer (if present):		_ redex Depressi				
Type:						100	
Depth (in	ches):					2.43	Hydric Soil Present? Yes No K
	veslope of	P. ald	0110				
	vestope of	F 050	2114 40	see.			
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		A. T. L. C. S. S.			in the second		
HYDROLO			1		13. 3.	E martin	a state of the state
	drology Indicators:			4333			
Primary India	cators (minimum of c	one required; o					Secondary Indicators (2 or more required)
Surface	Water (A1)		Water-Stair			cept	Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)			, 2, 4A, a	nd 4B)		4A, and 4B)
Saturatio	on (A3)		Salt Crust (Drainage Patterns (B10)
Water M	larks (B1)		Aquatic Inv				Dry-Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen S			1	Saturation Visible on Aerial Imagery (C9
Drift Dep	posits (B3)		Oxidized R				
	at or Crust (B4)		Presence o				Shallow Aquitard (D3)
	posits (B5)		Recent Iron				
	Soil Cracks (B6)		Stunted or			I) (LRR A)	a car a second a s
_	on Visible on Aerial		Other (Expl	ain in Re	marks)		Frost-Heave Hummocks (D7)
	y Vegetated Concave	e Surface (B8)	1.			_	
Field Obser			*				
Surface Wat		A CONTRACTOR OF	Depth (inc		1.20	-	
Water Table			Depth (inc		100		and Hydrology Present? Yes No K
Saturation P	Present? Y pillary fringe)	'es No	Depth (inc	hes):		- Wetla	and Hydrology Present? Yes No
	corded Data (stream	gauge, moni	oring well, aerial p	hotos, pre	evious insp	pections), if	if available:
		3. 1	Section of				
Remarks:		2					and the second se
1. 1. 1. 1							

Projectivitie: Useff Post Light SP caycourty: Witter UM Sampling Date: Y-15-2/ Applicativomer: State: UM Sampling Date: Y-15-2/ Applicativomer: State: UM Sampling Date: Y-15-2/ Androm (fillstope, terrace, etc.): IVE det down State: UM UM State: UM State: UM UM State: UM UM State: UM UM UM UM State: UM UM State: UM UM UM UM State: UM UM State: UM UM State: UM UM UM	WETLAND DETERMINATION DA	ATA FORM – Western	Mountains, Valleys, and Coast Region
spelicantOwner: State State: Sumpling PointSP-W-EI newstigato(s): P. A. M. S.I. Section, Township, Range:	Project/Site: West Post Light SP	City/County: 4	Jestfort Sampling Date: 4-15-2
newstigator(s): P. Ha M Hi Section, Township, Range:			
andform (hillslope, terrace, etc.):			그 방법 방법이 다섯 분위는 것이 방법이 있는 것이 있는 것이 많이 있는 것이 있는 것이 없는 것이 없는 것이 없다.
Subregion (LRR): A Lat:			
Soli Map Unit Name: D_LNC_CARL			
We deflation / hydrologic conditions on the site bylical for this time of year? Yes X No (If no, explain in framarks.) Vere VegetationSoilor Hydrology	Soil Man Unit Name: Du Alf / culd	Lat	Long PEMIA
vize VegetationSoitor Hydrologyiginfantity disturbed? Are "Normal Circumstances" present? YesNo vize VegetationSoitor Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? YesNo			
vier Vegetation Soll or Hydrology naturally problematic? (if needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? Yes X No			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No is the Sampled Area within a Wetland? Yes No Hydrophytic Vegetation Present? Yes No is the Sampled Area within a Wetland? Yes No Remarks: Photos / Formation of the science in the			
Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Hydrophytic Vegetation Present? Yes No is the Sampled Area within a Wetland? Yes No Remarks: Ph/dcoS / IO 4 - /G6 W L f - /G6 W L f - /G6 W L f - /G6 No YEGETATION - Use scientific names of plants. Tree Stratum (Plot size: Absolute Dominance Test worksheet: Number of Dominant Species (A) 1.			
Hydric Soll Present? Yes No Wetland Hydrology Present? Yes No Ite & Sampled Area within a Wetland? Yes Photos 1041-06 Wetfand W-E VECETATION - Use scientific names of plants. Tree Stratum (Plot size: 15 1 2 Absolute 2 2 Sampled Area 3 4 Sampled Area 4 3 Absolute 2 2 Sampled Area 3 4 Sampled Area 4 5 3 1 0 Cover 3 5 5 3 10 1 2 3 1 2 10 3 4 5 3 5 4 5 3 5 1 2 1 2 2 30 2 4 3 4 4 5 3 5 1 2 3 5 1 2 1 2 2 4 3 5 3 5 4 5 5 5 1 2 2 4 5 5 1 2 2 4 5 5 1 2 2 5 3 10 3 10 4 5 <			oint locations, transects, important features, etc.
Remarks: Photos Io4-lob Wetfland W-E VEGETATION - Use scientific names of plants. Indicator Dominant Indicator Status 1. Absolute Status Status Number of Dominant Species Z (A) 2. Indicator Species2 Status Indicator Status Z (A) 3. Indicator Species2 Status Z (B) Provement of Dominant Species Z (B) 4. Indicator Species Across All Strats Z (B) Provalence Index worksheet: IDO (A) 1. Indicators Indicators Z IDO (A) IDO (A) (B) 2. Rubbits Stratum (Plot size: ID IDO (A) IDO (A) (B) 3. Indicators ID Indicators IDO (A) (B) (C) (C) (C) (C) (C) (C) (C) (C)<	Hydric Soil Present? Yes	No Is the Sa	
Photos 104-66 WEGETATION - Use scientific names of plants. Tree Stratum (Plot size: 15' Absolute Dominant Indicator % Cover Species? Status 1. Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2. (A) 3.	Pemarke:	NO	
Tree Stratum (Plot size: $\int f'$ Absolute Secies? Dominant Indicator Species? Dominant Species 1	1.1.1.1	W-E	
Tree Stratum (Plot size: 15°) % Cover Species? Status 1.	VEGETATION – Use scientific names of plan	nts.	
1. That Are OBL, FACW, or FAC: C (A) 2. Total Number of Dominant Species Across All Strata: C (B) 3. Species Across All Strata: C (B) 3. Species Across All Strata: C (B) 4. Species Across All Strata: C (B) 2. Robust Across All Strata: C (B) 3. Freent of Dominant Species (A) (A) 3. Freent of Dominant Species (A) (B) 4. Species Across All Strata: (A) (B) 5. Stratum (Plot size: 5 = Total Cover (A) (B) 1. Column Totals: (A) (B) (A) (B) 2. Stratum (Plot size: 5 (D) (A) (B) 2. Stratum So on a separate sheet) (A) (B) (A) (B)	The Obstant (Distaine 121		
3.		the second second second second	
4. \bigcirc = Total Cover Percent of Dominant Species That Are OBL, FACW, or FAC: $\square O \square$ (AB) 1. \square in \square is in \square in in in \square in in \square in \square			Total Number of Dominant
Sapting/Shrub Stratum (Plot size: 15 3 That Are OBL, FACW, or FAC: 100 (AB) 1. D in U S (c.ntexter 3 Intervention (AB) 2. R U is S arm 2n i get us 2 Intervention (AB) 3	3		Species Across All Strata: (B)
Sapino/Shrub Stratum (Plot size: 15) 1. \mathcal{D} in U.S. Contexted: 3 Intervention of the interve	4	= Total Cover	
1. $P INOS Contextal S PIR 2. Rubus armoniccus Z Discontrol of the statum of the stratum $	Sapling/Shrub Stratum (Plot size: 15)	2 +	
2. $KOBOS CAT MIGNICECUS$ 2 3.	1. Pinus Contoxita	<u> </u>	(AC)
4. 5. 5. FAC species x 3 = 5. 5. = Total Cover FAC species x 4 = 1. Carters 30 Y OBC 2. Sortess Fater, toss Sortess x 5 = 3. Atol (cus) Ignatus 16 Fater, toss 4. Jon Cus Ignatus 16 Fater, toss 5. Leontoss 10 Fater, toss 10 5. Leontoson Sater, toss 10 Fater, toss 6. Atol (cus) Ignatus 10 Fater, toss 7. Image: toss toss 10 Fater, toss 10 8. Image: toss toss 10 Fater, toss 10 9. Image: toss toss 10 Fater, toss 10 10. Image: toss toss 10 Image: toss toss 10 9. Image: toss toss 10 Image: toss toss 10 11. Image: toss toss 10 Image: toss toss 10 12. Image: toss tos 10	2. KOBS armaniques		
5. 5 = Total Cover Herb Stratum (Plot size: $5'$) 5 = Total Cover 1. Carce obnupte 30 V 064 1. Carce obnupte 30 V 064 2. Some oscillation of the size oscillation oscillation of the size oscillation oscillatinate oscillatin oscillation oscillation oscillation osc	3		FACW species x 2 =
Herb Stratum (Plot size: $5'$ 2 = 10 all Cover UPL species x5 = 1. Carve obcorpter 30 / 064 UPL species (A) (B) 2. Sources Father os 30 / 064 Free end of the end	4		FAC species x 3 =
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2. Survey Image: Survey Ima	Herb Stratum (Plot size: 5	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
3. Aolcus Janafus 16 FAC Hydrophytic Vegetation Indicators: 4. Juncus 10 FAC Hydrophytic Vegetation Indicators: 5. Leonhodon Sapartilis 10 FAC 6. Algrostis 10 FAC 7. 8. 9. 10. 11. 9. 11. 12. 13. 14. 13. 14. 10. 11. <td>1. Carex obrupta</td> <td><u>30 Y O</u></td> <td>Column Totals: (A) (B)</td>	1. Carex obrupta	<u>30 Y O</u>	Column Totals: (A) (B)
4. Juncus Neuradem Sis 10 1- Rapid Test for Hydrophytic Vegetation 5. Leon todon Saxatilis 10 1- Rapid Test for Hydrophytic Vegetation 6. Agrostis Stolon: Ferrai 10 FAC 7			Prevalence Index = B/A =
4. Sore for A product is in the set of Hydrophytic Vegetation 5. <u>i.son fodion Saxatilis</u> 6. <u>Alg to stis Sciolon's exa</u> 7		- 10	
6	4. 301000 110 1010 13	- 10	
7.			
8		<u>_</u>	
9	7		4 - Morphological Adaptations' (Provide supporting
10.			
11.			
Woody Vine Stratum (Plot size:			
Woody Vine Stratum (Plot size:) 1 2 Ø = Total Cover Yes No % Bare Ground in Herb Stratum	_1	90 = Total Cover	be present, unless disturbed or problematic.
2 Vegetation % Bare Ground in Herb Stratum 15 O = Total Cover Yes Yes No	Woody Vine Stratum (Plot size: 15)	27	
% Bare Ground in Herb Stratum 15 = Total Cover Present? Yes V No	1		No we tot i and
% Bare Ground in Herb Stratum 15 = Total Cover	2		Present? Yes Y No
	% Bare Ground in Herb Stratum	= Total Cover	

Sampling Point: SP-W-E1

	epth needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	비사 가슴 가 갑자기 드는 것이 많이 봐.
(inches) Color (moist) %	Color (moist) % Type ¹ Loc ²	Texture Remarks
0-19 25 9/2 95	2,54414 5 C M	LPS
Q-18 2.54 4/1.590	14/R4/4 10 C M	LPS
7-10-1-11		
		- Anno Anno Anno Anno Anno Anno Anno Ann
	M=Reduced Matrix, CS=Covered or Coated Sand Gr	
Hydric Soil Indicators: (Applicable to	. /	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)	
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	³ Indicators of hydrophytic vegetation and
Thick Dark Surface (A12)	Redox Dark Surface (F6)	wetland hydrology must be present,
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	unless disturbed or problematic.
Sandy Gleyed Matrix (S4) Restrictive Layer (if present):	Redux Depressions (F8)	
Type:		Hydric Soil Present? Yes X No
Depth (inches): Remarks:	the second s	
HYDROLOGY Wetland Hydrology Indicators:		A A A A A A A A A A A A A A A A A A A
Primary Indicators (minimum of one requ		
	ired; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1)	ired; check all that apply) Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2,
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) tts (C3) K Geomorphic Position (D2)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3)
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 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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Mc Geomorphic Position (D2) Shallow Aquitard (D3) Mc FAC-Neutral Test (D5)
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	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Acuatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Sts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Acuatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (C9) Sts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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				and Coast Region	
roject/Site: WestPost Light SP	City/	County: West	f Post	Sampling Date:	4-15-21
pplicant/Owner: State Panes			State: WA	Sampling Point:	SP-W-E
nvestigator(s): Pr Hamidi					1.5
				Slop	e (%): 3
ubregion (LRR):					
oil Map Unit Name: DUNE LAND				sification: Uplan	
re climatic / hydrologic conditions on the site typical for thi					-
re Vegetation, Soil, or Hydrology				s" present? Yes K	No
re Vegetation, Soil, or Hydrology			eeded, explain any an		
	1997 - C. Martin M. M				
UMMARY OF FINDINGS – Attach site map		mpling point	locations, transe	cts, important fea	itures, etc.
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N	IO X	Is the Sampled within a Wetla	d Area ind? Yes _	No K	
Remarks: Photos 107-111			Sec. 1		
/EGETATION – Use scientific names of plar	nts.				
Tree Stratum (Plot size: 30')		ominant Indicator becies? Status	Dominance Test w		1. 2. 5 1.
1	<u></u>		Number of Dominar That Are OBL, FAC		(A)
2			Total Number of Do	minant 7	align a straight
	and the second		Species Across All		· (B)
			Percent of Dominar	nt Species 🗧 🧲	Ö
Sapling/Shrub Stratum (Plot size: 15)	=1	fotal Cover	That Are OBL, FAC		(A/B)
Malus fusca	2	FAG	Prevalence Index		1
CYTISUS SCOPANIUS	15	Y UPL	Total % Cover		
Vaccinium ouatum	Z	FACL	<u> </u>	x 1 =	
	i hanne i se	L. J. Cherry	A DECEMBER OF STREET, S	x 2 = x 3 =	Day 4 Put to Contract of the
5				x 4 =	
Herb Stratum (Plot size: 5')	_17_=1	Total Cover		x 5 =	
1. A Mmophile. arenaria	60 N	1 FAW		(A)	
Holas langues	57	FAC	Contract of the second second	dex = B/A =	
Polygonum Paronychia	3	UPL	Hydrophytic Vege		
Fragatia childensis	5	FACU		for Hydrophytic Vegeta	tion
5C		<u> </u>	2 - Dominance	Test is >50%	1.00
			3 - Prevalence	Index is ≤3.0 ¹	1 2 1
7			4 - Morphologie	cal Adaptations ¹ (Provid	de supporting
B			5 - Wetland No	arks or on a separate s	sneet)
9			-	drophytic Vegetation ¹	(Explain)
10				soil and wetland hydro	
11	<u>73</u> =T	otal Cover		disturbed or problemati	
Woody Vine Stratum (Plot size: 15')				* 4 - 46	
1			Hydrophytic		
2	<u> </u>	100	Vegetation Present?	Yes No	X
	= T	otal Cover	Fiesditt	no	
% Bare Ground in Herb Stratum 5					

Sampling Point: St-W-EZ

Profile Description: (Describe to the dep	in needed to docur	nent the indic	cator or c	ontirm	the absence of	indicators.)
Depth Matrix		x Features			1. S.	
(inches) Color (moist) %	Color (moist)	<u>%</u> <u>T</u>	ype ¹ L	.oc ²		Remarks
0-18 104R 4/2 100	~	-		-	LFS	
						en al ante en la provisión de la seconda
			1.00			
	1. O. O. Market		-			a starting and the starting of
						and the second se
				12	and the second	States and a state of the states
						a second s
						0
¹ Type: C=Concentration, D=Depletion, RM:	=Reduced Matrix, CS	S=Covered or	Coated Sa	and Gra		on: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all						for Problematic Hydric Soils ³ :
Histosol (A1)	Sandy Redox (luck (A10)
Histic Epipedon (A2)	Stripped Matrix					arent Material (TF2)
Black Histic (A3)	Loamy Mucky M		xcept ML	RA 1)		hallow Dark Surface (TF12)
 Hydrogen Sulfide (A4) Depleted Below Dark Surface (A11) 	Loamy Gleyed				Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Matrix Redox Dark Su				³ Indicatore	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark					hydrology must be present,
Sandy Mucky Mineral (ST) Sandy Gleyed Matrix (S4)	Redox Depress					isturbed or problematic.
Restrictive Layer (if present):			1		unicoo u	
Type:					1.1.1.1.1.1.1	
Depth (inches):					Hydric Soil Pr	esent? Yes No K
Remarks:	the second second	and and a second			riyane bon ri	
and see a second france of		·		-		1
HYDROLOGY Wetland Hydrology Indicators:		V				
	d; check all that appl	y)	<u>, 1</u>		Seconda	ry Indicators (2 or more required)
Wetland Hydrology Indicators:	hard and the state of the state	y) ned Leaves (E	B9) (exce	pt	1. 2. C. S.	ry Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stai			pt	Wat	
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> Surface Water (A1)	Water-Stai	ned Leaves (E 1, 2, 4A, and a		pt	Wat	er-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stai MLRA Salt Crust	ned Leaves (E 1, 2, 4A, and a	4B)	pt	Wat Drai	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stai MLRA Salt Crust Aquatic Inv	ned Leaves (E 1, 2, 4A, and 4 (B11)	4B) 13)	pt	Wat 4 Drai Dry-	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen	ned Leaves (B 1, 2, 4A, and 4 (B11) vertebrates (B	4B) (13) (C1)		Wat Drai Dry- Satu	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2)
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-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (4 B) (13) (C1) along Livir		Wat Drai Dry- Satu s (C3) Geo	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stain MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a	4B) (C1) along Livir on (C4)	ng Root	Wat Drai Dry- Satu s (C3) Geo Sha	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagery (C9) morphic Position (D2)
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)	Water-Stain MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Inc	4B) (C1) along Livir on (C4) n Tilled Sc	ng Root bils (C6)	Wat Drai Dry- Satu s (C3) Geo Sha FAC	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) Ilow Aquitard (D3) c-Neutral Test (D5)
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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-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence 0 Recent Iro Stunted or 7) Other (Exp	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Iro n Reduction ir Stressed Plan	4B) (C1) along Livir on (C4) n Tilled Sc nts (D1) (I	ng Root bils (C6)		er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
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 (Brithmanning)	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence 0 Recent Iro Stunted or 7) Other (Exp	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Iro n Reduction ir Stressed Plan	4B) (C1) along Livir on (C4) n Tilled Sc nts (D1) (I	ng Root bils (C6)		er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence 0 Recent Iro Stunted or 7) Other (Exp	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Iro n Reduction ir Stressed Plar plain in Remar	4B) (C1) along Livir on (C4) n Tilled Sc nts (D1) (I	ng Root bils (C6)		er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) c-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
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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 (Bisting) Sparsely Vegetated Concave Surface (Interpretent) Field Observations: Surface Water Present? Yes Saturation Present? Yes Quarter Table Present? Yes Saturation Present? Yes Obscruber Present? Yes Saturation Present? Yes Surifore Corible Recorded Data (stream gauge, more)	Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence of Recent Iro Stunted or 7) Other (Exp B8) No <u>C</u> Depth (ind No <u>C</u> Depth (ind	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Iro n Reduction ir Stressed Plan ches): ches): ches):	4B) (C1) along Livir on (C4) n Tilled Sc nts (D1) (I /ks)	ng Root nils (C6) _RR A) Wetla	Wat 4 Drai Dry- Satu s (C3) Geo Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) E-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
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 (Bisting) Sparsely Vegetated Concave Surface (Interpretent) Field Observations: Surface Water Present? Yes Saturation Present? Yes Quarter Table Present? Yes Saturation Present? Yes Obscruber Present? Yes Saturation Present? Yes Surifore Corible Recorded Data (stream gauge, more)	Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence of Recent Iro Stunted or 7) Other (Exp B8) No <u>C</u> Depth (int No <u>C</u> Depth (int	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Iro n Reduction ir Stressed Plan ches): ches): ches):	4B) (C1) along Livir on (C4) n Tilled Sc nts (D1) (I /ks)	ng Root nils (C6) _RR A) Wetla	Wat 4 Drai Dry- Satu s (C3) Geo Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) E-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)
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 (Bisting) Sparsely Vegetated Concave Surface (Interpretent) Field Observations: Surface Water Present? Yes Saturation Present? Yes Quarter Table Present? Yes Saturation Present? Yes Obscruber Present? Yes Saturation Present? Yes Surifore Corible Recorded Data (stream gauge, more)	Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence of Recent Iro Stunted or 7) Other (Exp B8) No <u>C</u> Depth (int No <u>C</u> Depth (int	ned Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B Sulfide Odor (chizospheres a of Reduced Iro n Reduction ir Stressed Plan ches): ches): ches):	4B) (C1) along Livir on (C4) n Tilled Sc nts (D1) (I /ks)	ng Root nils (C6) _RR A) Wetla	Wat 4 Drai Dry- Satu s (C3) Geo Sha FAC Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) nage Patterns (B10) Season Water Table (C2) uration Visible on Aerial Imagery (C9) morphic Position (D2) llow Aquitard (D3) E-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) st-Heave Hummocks (D7)

WETLAND DETERMINATION DATA FO	DRM – V	Vestern	Mount	ains, Vall	leys, and	Coast Re	gion	
Project/Site: WEST BOIT light SP	City/C	ounty:	west	Port		Sampling Dat	te: <u>9-</u>	5-21
Applicant/Owner: Style Prevers				State:	WA	Sampling Poi	nt: 56	-W-t.
	Sectio	n, Towns	hip, Rang	e:			1.1	
				nvex, none):		ute	Slope (%)	:
Subregion (LRR):							atum:	
Soil Map Unit Name: DUNC Land			•	N	WI classifica	tion: PE	mIC	1
Are climatic / hydrologic conditions on the site typical for this time o	f vear? Y	es ox'						
Are Vegetation, Soil, or Hydrology signification						esent? Yes	R I	No
Are Vegetation, Soil, or Hydrology naturally						s in Remarks.		
SUMMARY OF FINDINGS – Attach site map show								es, etc.
		ipiing p		auons, u	ansects,	mportan		
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes X No		Is the Sa	ampled A	rea			· .	
Wetland Hydrology Present? Yes K No		within a	Wetland	?	Yes K	No		1.1
Remarks:					1			
Photos 112-117					10.00	Section .	- 1 - 1	
WEFRANCE W-F		Carlo and	1		1.1.1		1 Berlin	
VEGETATION – Use scientific names of plants.		212	1000	aprice .	1. N.	1. 1. 1	. 6	
Tree Stratum (Plot size: 30') Absol	ute Dom ver Spec	ninant Ind	atua	Dominance			1. 1 1.	
1. PINON GONTONES 10	J C C	1 F		Number of D That Are OB			5	(A)
2		-		Total Numbe		Con Con Ref. 1	Sec. Sec.	100
3				Species Acro			B	(B)
4				Percent of D	ominant Spe	ecies	160	1.1
Sapling/Shrub Stratum (Plot size: 15)	> = Tot	tal Cover		That Are OB			100	(A/B)
1. PINUS CONTOTOS 10	> Y	F	AZ	Prevalence			and and	1. 1. 1
2					Cover of:		Itiply by:	
3		1.1		Sector Sector Sector	100 T 10 T 10 T	x 1 = _ x 2 =	10 C	
4			1.1.1.1.1.1.1	FAC species	and the state of the	x3=	Charles and the	
5	- Tet		- 1	FACU specie	es	x 4 =		
Herb Stratum (Plot size:	= 100	tal Cover		UPL species		x 5 =		_
1. JUNCUS Falcatus 25	5 Y	<u></u> +		Column Tota	als:	(A)	a second	(B)
2 JUNCUS NENGDENSIS Z	2 1		tew	Prevale	ence Index	= B/A =		1.1
3. Carex Obnupta 25	<u>> - </u>	0	10		-	n Indicators:		
4. Agrostis stoloniteres 10	<u> </u>		A			ydrophytic Ve	egetation	1
5. Veronica Scutellade C		T_V	<u>~~</u>	2 - Dom				
6	<u> </u>				alence Inde	x is ≤3.0° daptations ¹ (F	Drouido ou	mention
7				4 - Morp data	in Remarks	or on a sepa	rate sheet	pporting (
9				5 - Wetl	and Non-Va	scular Plants	1	
10		· · · · ·		Problem	natic Hydrop	hytic Vegetat	ion ¹ (Expl	ain)
11		k.1				and wetland		must
$15'$ $\underline{8}$	/_= Tota	al Cover	- H	be present, t			ematic.	
Woody Vine Stratum (Plot size: 15)		No.		Understand	_			
1				Hydrophytic Vegetation		N		
	= Tota	al Cover		Present?	Yes	X No	°	
% Bare Ground in Herb Stratum								
Remarks:								

SOIL

Sampling Point: SP-W-F1

Profile Description: (Describe to the de	put needed to document the indicator or commi	
Depth Matrix	Redox Features	
(inches) Color (moist) %	<u>Color (moist)</u> % <u>Type¹</u> Loc ²	Texture Remarks
0-9 2.54 4/2 100		LFS
4-10 2.54 4/2 93	2544/4 Z C M	<u>475</u>
10-18 2011/2	,,	
	A REPORT OF A REPORT OF A REPORT	
1		2
Hydric Soil Indicators: (Applicable to a	M=Reduced Matrix, CS=Covered or Coated Sand Gr	rains. ² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
	. /	
Histosol (A1)	X Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Red Parent Material (TF2) Very Shallow Dark Surface (TF12)
Black Histic (A3) Hydrogen Sulfide (A4)	Loamy Mucky Mineral (F1) (except MLRA 1) Loamy Gleyed Matrix (F2)	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
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes K. No
Remarks:		
inter (1997) approximate	An and a surger by a .	
HYDROLOGY Wetland Hydrology Indicators:	An anter galar a	
HYDROLOGY Wetland Hydrology Indicators:	red; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require		
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1)	Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Ceomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) 	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Staturation Visible on Aerial Imagery (C9) Staturation (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Root Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) 	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) K FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	 <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dts (C3) Ceomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Rod Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 	 <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3) K FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8)	 <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3) K FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No _	 <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3) K FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No X Depth (inches): Depth (inches): Depth (inches): Mo X Depth (inches) Mo X Depth (inches) Mo X Depth (inches) Mo X Depth (inches) Mo X Depth (inches)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Store (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No _X_ Depth (inches): No _X_ Depth (inches):	 <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Dts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3) K FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches): Wetl monitoring well, aerial photos, previous inspections),	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stots (C3) Ceomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks) (B8) No Depth (inches): Wetl monitoring well, aerial photos, previous inspections),	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stots (C3) Ceomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

roject/Site: Westfort Light		A set of the second s	
		State: WA	Sampling Date: 1.0
westigator(s): P. Itamic 1			Sampling Point:
andform (hillslope, terrace, etc.):	Section,	Township, Range:	XN
bil Map Unit Name: DUNE Land	Lat:	Long: NWI classific	Datum:
			•
e climatic / hydrologic conditions on the site typical		·	
e Vegetation, Soil, or Hydrology			oresent? Yes X No
e Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answe	rs in Remarks.)
UMMARY OF FINDINGS - Attach site	map showing sampli	ng point locations, transects	, important features, etc
	No Ø	and the second	and the second
	No X Is	the Sampled Area	/
	No K wi	thin a Wetland? Yes	No K
Remarks:	and the second states of		
			A. S. S. S. S. S.
EGETATION – Use scientific names of	plants.		
Tree Stratum (Plot size: 30')	Absolute Domina % Cover Species	2 Status	
PINUS Conterter		That Are OBL, FACW,	pecies Z (A)
			and the first state of the second
		Total Number of Domin Species Across All Stra	
1.1	= Total (Cover Percent of Dominant S That Are OBL, FACW,	
apling/Shrub Stratum (Plot size: 15	- 1	Prevalence Index wor	
Cytisus scoperius	<u> </u>	Total % Cover of:	
PINUS CONTONTS	<u> </u>	FIC	x 1 =
			x2=
·		FAC species	x 3 =
		FACU species	x 4 =
lerb Stratum (Plot size:)		UPL species	x 5 =
AMMOPHIG AVENAVIG	<u>30 Y</u>	_ Column Totals:	(A) (B)
120NFORD SALATI	5 10 #	Prevalence Index	= B/A =
Kolygonum Paronych	<u>ic 3</u>	- UPL Hydrophytic Vegetati	
Cart Obnopta		1 - Rapid Test for I	Hydrophytic Vegetation
Caret Obnopty		_ OBL 2 - Dominance Tes	st is >50%
•		3 - Prevalence Ind	
·	And the second s	4 - Morphological /	Adaptations ¹ (Provide supporting s or on a separate sheet)
The second se		5 - Wetland Non-V	· · · · · · · · · · · · · · · · · · ·
			phytic Vegetation ¹ (Explain)
0			il and wetland hydrology must
	53 = Total C	he present unless dist	
Voody Vine Stratum (Plot size: 151)	= rotar C		8
		Hydrophytic	×
2		Vegetation	s No K
	D = Total C	Over Present? Ye	
% Bare Ground in Herb Stratum			

.

SOIL

Sampling Point: W-F2

Death	n needed to document the indicator or confirm	
Depth <u>Matrix</u> (inches) Color (moist) %	<u>Redox Features</u> Color (moist) % Type ¹ Loc ²	Toyture
<u>(inches)</u> <u>Color (moist)</u> <u>%</u> 0-/8 <u>Z,54 4/</u> Z 100		Texture Remarks
0-10 _ CISY 11 C 100 -		43
		CARLES AND
¹ Type: C=Concentration, D=Depletion, RM=F	Reduced Matrix, CS=Covered or Coated Sand Gr	ains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all L	RRs, unless 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)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	³ Indicators of hydrophytic vegetation and
Thick Dark Surface (A12) Sandy Mucky Mineral (S1)	Redox Dark Surface (F6) Depleted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		
Depth (inches):		Hydric Soil Present? Yes No K
Remarks:		
HYDROLOGY	A REAL PROPERTY OF THE REAT PROPERTY OF THE REAL PR	THE REPORT OF A DECEMPTOR OF A DECEMPTOR OF A DECEMPTOR OF A DECEM
Wetland Hydrology Indicators:		and a second
		Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
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)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2)
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)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) 	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) 88)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Depth (inches):	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks) Other (Explain in Remarks) Depth (inches): Depth (inches): Wetta	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

1

TELEAND DETERMINATION DATA FOR	M – Western Mountains, Valleys, and Coast Region
roject/site: West Port Light SP	City/County: WestPort Sampling Date:
Applicant/Owner: State PATIES	State: WA Sampling Point: SP-W-T
Water to K high the line to A	Section, Township, Range:
andform (hillslope, terrace, etc.): Interdunci	Local relief (concave, convex, none): CONCAVE Slope (%):
	Long: Datum:
oil Map Unit Name: PUN2 Land	Pr- A
re climatic / hydrologic conditions on the site typical for this time of ye	TTTT Gladomodilon
re Vegetation, Soil, or Hydrology significantly	ear? Yes No (If no, explain in Remarks.)
re Vegetation Soil, or Hydrology significantly	/ disturbed? Are "Normal Circumstances" present? Yes <u>X</u> No
re Vegetation, Soil, or Hydrology naturally pr	
UMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes X No	Is the Sampled Area
Vetland Hydrology Present? Yes K No	within a Wetland? Yes <u>No</u>
Remarks: Photos 120-124	
wetland I East	ala.
	2dge
EGETATION – Use scientific names of plants.	
ree Stratum (Plot size: 30') Absolute	Snarias2 Statue
Pinus Contorta 15	Number of Dominant Species (A)
· · · · · · · · · · · · · · · · · · ·	
	Total Number of Dominant Species Across All Strata:
15' 15	= Total Cover Percent of Dominant Species 100 (A/B)
apling/Shrub Stratum (Plot size: 15 Salix Dookericans 40	VI FAL Prevalence Index worksheet:
	Total % Cover of: Multiply by:
Lonicera involucientes 20	OBL species x1=
Spirary douglasii 20	FACW species x 2 =
	FAC species x 3 =
F' RO	= Total Cover FACU species x 4 =
lerb Stratum (Plot size:	UPL species x 5 =
Carex obrupty 60	(A) (B)
	Prevalence Index = B/A =
	1 - Rapid Test for Hydrophytic Vegetation
	2 - Dominance Test is >50%
·	3 - Prevalence Index is ≤3.0 ¹
0	
1	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Noody Vine Stratum (Plot size: 15	_= Total Cover
	11. deservate
1 ·	Hydrophytic Vegetation
	_= Total Cover Yes No
% Bare Ground in Herb Stratum	

SOIL

Sampling Point: SP-W-II

3

Profile Description: (Describe to the de	oth needed to document the indicator or	confirm the ab	osence of indicators.)
Depth Matrix	Redox Features	Carl Street	and the second second second
(inches) Color (moist) %	Color (moist) % Type ¹	Loc ² Tex	ture Remarks
2-0		Du	H
0-6 2,544/2/00		- LF	5
1-18 2.94 4/297	2,54 4/4 3 C 1	M,PL LF	5
0.0		<u> </u>	
			the second s
		1.16.14	
¹ Type: C=Concentration, D=Depletion, RM	=Reduced Matrix CS=Covered or Coated	Sand Grains	² Location: DI = Pore Lining M=Matrix
Hydric Soil Indicators: (Applicable to all			² Location: PL=Pore Lining, M=Matrix. mdicators for Problematic Hydric Soils ³ :
Histosol (A1)	X Sandy Redox (S5)		_ 2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	1990 - S. C. S. C.	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except N	ALRA 1)	Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)		Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	1 -	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	3	ndicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)		wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)		unless disturbed or problematic.
Restrictive Layer (if present):			
Туре:		18142 18	
Depth (inches):		Hydr	ic Soil Present? Yes <u>V</u> No
Remarks:			
	· · · · · · · · · · · · · · · · · · ·		
HYDROLOGY Wetland Hydrology Indicators:	· · · · · · · · · · · · · · · · · · ·		
	d; check all that apply)		Secondary Indicators (2 or more required)
Wetland Hydrology Indicators:	d; check all that apply) Water-Stained Leaves (B9) (exc	cept	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one require	and the second	cept	
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> Surface Water (A1)	Water-Stained Leaves (B9) (exc	cept	Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B)	cept	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11)		Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	 Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) 		 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
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 Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) 		 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
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)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv	ving Roots (C3)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
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)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4)	ving Roots (C3) Soils (C6)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3)
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 (B	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks)	ving Roots (C3) Soils (C6)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
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 Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks)	ving Roots (C3) Soils (C6)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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 (E Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) T) Other (Explain in Remarks) (B8)	ving Roots (C3) Soils (C6)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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 (E Sparsely Vegetated Concave Surface Field Observations:	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Liv Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks)	ving Roots (C3) Soils (C6)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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 (B Field Observations: Surface Water Present?	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) T) Other (Explain in Remarks) (B8)	ving Roots (C3) Soils (C6)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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 (E Sparsely Vegetated Concave Surface of Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) TO Other (Explain in Remarks) (B8) No Depth (inches):	ving Roots (C3) Soils (C6) (LRR A)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	ving Roots (C3) Soils (C6) (LRR A)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	ving Roots (C3) Soils (C6) (LRR A)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology 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 (B Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	ving Roots (C3) Soils (C6) (LRR A)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	ving Roots (C3) Soils (C6) (LRR A)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required)	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lit Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches):	ving Roots (C3) Soils (C6) (LRR A)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DA						
Project/Site: WestPort Light 5	F c	City/County:	West	rort-	_ Sampling Date:	1-13-CI
Applicant/Owner: State Acoks				State:	_ Sampling Point: 5	PWI
P ilamidi		Section Town	shin Range			
Landform (hillslope, terrace, etc.): DUNC		Local relief (c	oncave, conve	ex, none):	-flat Slope	(%):
Subregion (LRR):	Lat:	and an and and	Lor	ng:	Datum:	and the second second
Soil Map Unit Name: DUNE Land	12.20			NWI classif	fication: UPKen	rd
Are climatic / hydrologic conditions on the site typical for this	s time of yea	r? Yes	No	_ (If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrologys			Are "Norm	nal Circumstances'	" present? Yes	No
Are Vegetation, Soil, or Hydrology n			(If needed	l, explain any answ	vers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map			point loca	tions, transect	ts, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	0 <u>0x</u>	Is the S	Sampled Area a Wetland?	a	NoK	
Remarks: Phobo3 125-126		1				
VEGETATION – Use scientific names of plan	ts.		Set a la	A States	1.13 12 12	17
Tree Stratum (Plot size: 30') 1		Dominant In Species?	Status Nu	minance Test wo mber of Dominant at Are OBL, FACW	Species 1	(A)
2			10	tal Number of Dom ecies Across All St		(B)
4	0	= Total Cove	Pe Th	rcent of Dominant at Are OBL, FACW	Species V, or FAC: 33	3(A/B)
<u>Sapling/Shrub Stratum</u> (Plot size: 15) 1. <u>CYFISUS</u> SCOPGNIUS	20	_Y	UPC _	evalence Index w Total % Cover of	: Multiply b	
3.		1.1.1.1.1			x 1 =	
4.					x 2 = x 3 =	
5	Danes.		FA		x3=	
	20	= Total Cover			x 5 =	
Herb Stratum (Plot size:) 1. Ammophila arenaria	50	Y			(A)	
2 Carex Obnupra	20	-y-	OBL		ex = B/A =	1.1
3. Tangetum bipinnat	UM 5		UPL HY	drophytic Vegeta		
4. Halcus langtus	_5_		FAC		r Hydrophytic Vegetatio	on
5. The pachaeris radicata	5		EACU X	2 - Dominance T	est is >50%	
6. UNKNOWN Grass	0			3 - Prevalence In	ndex is ≤3.0 ¹	
7				4 - Morphologica	I Adaptations ¹ (Provide	supporting
8				5 - Wetland Non-	rks or on a separate sh	leet)
9	1000 C			- V	rophytic Vegetation ¹ (E	xolain)
10					soil and wetland hydrol	
11	95	= Total Cover	he		sturbed or problematic.	
Woody Vine Stratum (Plot size: 15)						
1				drophytic		
2	0		Pr	getation esent?	res No	Κ
% Bare Ground in Herb Stratum		= Total Cover				
Remarks:						
· . 4					1.8	

SOIL

Sampling Point: BP-W-IZ

Profile Description: (Describe to the depth needed to document the indicator or confin	rm the absence of indicators.)
Depth Matrix Redox Features	
(inches) Color (moist) % Color (moist) % Type ¹ Loc ²	Texture Remarks
0-9 104R 4/2100	<u>LPS</u>
9-18 2.54 4/2100	LFS
	A CALL AND A
	그는 것은 것을 많이 많이 가지 않는 것을 했다.
Trans 0.0	Grains. ² Location: PL=Pore Lining, M=Matrix.
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand (Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
	2 cm Muck (A10)
Histosol (A1) Sandy Redox (S5) Histic Epipedon (A2) Stripped Matrix (S6)	Red Parent Material (TF2)
Black Histic (A3) Loamy Mucky Mineral (F1) (except MLRA 1 Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Matrix (F3)	— outer (=+)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1) Depieted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4) Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):	
Type:	the second second second second second
Depth (inches):	Hydric Soil Present? Yes No K
Remarks:	and the second
Wetland Hydrology Indicators:	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) pots (C3) Geomorphic Position (D2)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Ro Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C0)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otos (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) (except High Water Table (A2) MLRA 1, 2, 4A, and 4B) Saturation (A3) Salt Crust (B11) Water Marks (B1) Aquatic Invertebrates (B13) Sediment Deposits (B2) Hydrogen Sulfide Odor (C1) Drift Deposits (B3) Oxidized Rhizospheres along Living Ro Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otos (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otos (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otos (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otos (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) otos (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) C6) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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		County: WES	Sampling Date: 4-27-
pplicant/Owner: Shate Parties	1 - X - 2 D		State: WA Sampling Point: SP-W-N
westigator(s): P. Hamidi		tion, Township, Ra	
andform (hillslope, terrace, etc.):			convex, none): COACCUE Slope (%): 1
	Lat:		_ Long: Datum:
oil Map Unit Name: DUNE Land			NWI classification: PSS/EMD
re climatic / hydrologic conditions on the site typical for	this time of year?	Yes No _	(If no, explain in Remarks.)
re Vegetation, Soil, or Hydrology	_ significantly dist	urbed? Are	"Normal Circumstances" present? Yes K No
re Vegetation, Soil, or Hydrology	naturally problem	matic? (If ne	eeded, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site ma	an showing sa	moling point l	locations, transects, important features, etc
Hydrophytic Vegetation Present? Yes			
Hydric Soil Present? Yes K. Wetland Hydrology Present? Yes K.	No No No	Is the Sampled within a Wetla	
Demedici		Constanting	
below Normal P	recip,	4	
EGETATION – Use scientific names of p	lants.	and there	
Tree Stratum (Plot size: 30')		ominant Indicator becies? Status	Dominance Test worksheet:
1		h for	Number of Dominant Species That Are OBL, FACW, or FAC:
2			Total Number of Dominant 7
3.			Total Number of Dominant Z Species Across All Strata: (B)
k			Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 15)	=`	Total Cover	That Are OBL, FACW, or FAC: (A/B)
1. PINUS CONDITIS	60	V FAC	Prevalence Index worksheet:
2.		1	Total % Cover of: Multiply by:
3. * *			OBL species x 1 =
4			FACW species x 2 =
5			FAC species x 3 = FACU species x 4 =
51	60 =	Total Cover	UPL species x 5 =
Herb Stratum (Plot size:) 1. CANUN BEAUDITS	60	Y OBL	Column Totals: (A) (B)
TUNCUS Neugdensis	10	FACU	
Trifolium SP.	5		Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
A Agrostis stelonifica	5	FAC	1 - Rapid Test for Hydrophytic Vegetation
		-	2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 ¹
7.			4 - Morphological Adaptations ¹ (Provide supporting
3.			data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants
10			Problematic Hydrophytic Vegetation ¹ (Explain)
11			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Noody Vine Stratum (Plot size: 15')		otal Cover	be present, uness disturbed of problematic.
1			Hudenski da
		-	Hydrophytic Vegetation
	0 =1	otal Cover	Present? Yes <u>No</u>
% Bare Ground in Herb Stratum		Action to a state	
Remarks:			

.

SOIL

Sampling Point: SP-W-M-Z

Depth Matrix		the absence of indicators.)
	Redox Features	
(inches) Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type</u> ¹ <u>Loc</u> ²	Remarks
0-5 2,544/2 95	2,544/4 5 C M	LFS
5-9 2,54 4/2 85		_LRS
9-18 2,54 4/1,5 95	2.54 4/3 5 C M	LFS
	·	
¹ Type: C=Concentration, D=Depletion, RI	M=Reduced Matrix, CS=Covered or Coated Sand Gra	ains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	II LRRs, unless 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)	Other (Explain in Remarks)
 Depleted Below Dark Surface (A11) Thick Dark Surface (A12) 	Depleted Matrix (F3)	³ Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Redox Dark Surface (F6)	wetland hydrology must be present,
Sandy Mocky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		
Туре:		And the second se
Depth (inches):		Hydric Soil Present? Yes <u>K</u> No
Remarks:		
IYDROLOGY		
Wetland Hydrology Indicators:		and a second
Primary Indicators (minimum of one require	ed; check all that apply)	Secondary Indicators (2 or more required)
Curfood Minter (A4)		
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
High Water Table (A2) Saturation (A3)	MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	4A, and 4B) Drainage Patterns (B10)
High Water Table (A2) Saturation (A3) Water Marks (B1)	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
 High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) K Geomorphic Position (D2)
 High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) K Geomorphic Position (D2) Shallow Aquitard (D3)
 High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ts (C3) Geomorphic Position (D2) Shallow Aquitard (D3) i) FAC-Neutral Test (D5)
 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) 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ats (C3) ▲ Geomorphic Position (D2) Shallow Aquitard (D3) ats (D5) Raised Ant Mounds (D6) (LRR A)
 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 (MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) tts (C3) ∠ Geomorphic Position (D2) Shallow Aquitard (D3) j) ∠ FAC-Neutral Test (D5)
 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 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ats (C3) ▲ Geomorphic Position (D2) Shallow Aquitard (D3) ats (D5) Raised Ant Mounds (D6) (LRR A)
 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: 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ats (C3) ▲ Geomorphic Position (D2) Shallow Aquitard (D3) ats (D5) Raised Ant Mounds (D6) (LRR A)
 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 	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6 Stunted or Stressed Plants (D1) (LRR A) B7) Other (Explain in Remarks) (B8) . No Depth (inches):	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ats (C3) ▲ Geomorphic Position (D2) Shallow Aquitard (D3) ats (D5) Raised Ant Mounds (D6) (LRR A)
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	MLRA 1, 2, 4A, and 4B)Salt Crust (B11)Aquatic Invertebrates (B13)Hydrogen Sulfide Odor (C1)Oxidized Rhizospheres along Living RooPresence of Reduced Iron (C4)Recent Iron Reduction in Tilled Soils (C6Stunted or Stressed Plants (D1) (LRR A) B7)Other (Explain in Remarks) (B8) NoDepth (inches):	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) atts (C3) ▲ Geomorphic Position (D2) Shallow Aquitard (D3) atts (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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 (includes capillary fringe)	MLRA 1, 2, 4A, and 4B)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) dts (C3) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) (b) ✓ FAC-Neutral Test (D5) (c) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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 (includes capillary fringe)	MLRA 1, 2, 4A, and 4B)Salt Crust (B11)Aquatic Invertebrates (B13)Hydrogen Sulfide Odor (C1)Oxidized Rhizospheres along Living RooPresence of Reduced Iron (C4)Recent Iron Reduction in Tilled Soils (C6Stunted or Stressed Plants (D1) (LRR A) B7)Other (Explain in Remarks) (B8) NoDepth (inches):	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) dts (C3) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) (b) FAC-Neutral Test (D5) (c) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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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 (includes capillary fringe) Describe Recorded Data (stream gauge, results)	MLRA 1, 2, 4A, and 4B)	4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) its (C3) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) its FAC-Neutral Test (D5) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION D	ATA FORM	I – Western Mou	ntains, Valleys, and	d Coast Region
rojecusite: WestPort Light 5	P. 0	ity/County: 225	fort	Sampling Date: 4-27-1
pplicant/Owner: _ Solate Partes				Sampling Point: SP-W-N
vestigator(s): P. Itmid;	S	ection, Township, Ra	nge:	
Indform (hillslope, terrace, etc.): DUNZ				JEK Slope (%)
				Datum:
il Map Unit Name: DONC Land	Lat			cation: Upland
e climatic / hydrologic conditions on the site typical for th		o 14-		
	and the second second			
Vegetation, Soil, or Hydrology				present? Yes K No
e Vegetation, Soil, or Hydrology	and a set of the set of		eded, explain any answe	
UMMARY OF FINDINGS – Attach site map	showing	sampling point le	ocations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes	No K	C. C.C.C.		
lydric Soil Present? Yes		Is the Sampled		No_X
Vetland Hydrology Present? Yes	No K	within a Wetlar	nar res	NOX
below Hormal Pre	esp.			
EGETATION – Use scientific names of pla	nts.			
ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Indicator	Dominance Test work	~
	70 COVER	opecies _ Status	Number of Dominant S That Are OBL, FACW,	
			Total Number of Domin Species Across All Stra	
			Percent of Dominant S	
apling/Shrub Stratum (Plot size: 75')		= Total Cover	That Are OBL, FACW,	
CYTISUS Scoperius	10	Y UPL	Prevalence Index wor	ksheet:
- Tribbo Scoperius		7		Multiply by:
				x1=
				x 2 =
	12			×3=
	-	= Total Cover		x 4 = x 5 =
Ammophilg arenaria	60	V FAIL	Column Totals:	(A) (B)
Holeus levatus	E	FAC	and the state of t	
Leontodon Sakatilis		FACU		: = B/A =
Polygonum Paronychi		UPL	Hydrophytic Vegetation	on Indicators: Hydrophytic Vegetation
Anthoxan thun addred	-um3	FACL	2 - Dominance Tes	
			3 - Prevalence Ind	
				Adaptations ¹ (Provide supporting
	1		data in Remark	s or on a separate sheet)
			5 - Wetland Non-V	
0	4		and the second se	phytic Vegetation ¹ (Explain)
1			Indicators of hydric so be present, unless dist	il and wetland hydrology must
loody Vine Stratum (Plot size: 15')	10=	Total Cover	be present, unless dist	arbed of problematic.
voody vine Stratum (Piot size:)			Sector State	
			Hydrophytic Vegetation	
	D =	Total Cover		s No _
% Bare Ground in Herb Stratum 15	C9			

SOIL

Sampling Point: SP-W-M2

Depth <u>Matrix</u> (inches) Color (moist)	Redox Features	Texture Remarks
5-18 Z.54 4/2		Seval
		and the second data and the se
Constanting Do Doolo		
vdric Soil Indicators: (Applicat	tion, RM=Reduced Matrix, CS=Covered or Coated San ble to all LRRs, unless otherwise noted.)	d Grains. ² Location: PL=Pore Lining, M=Matrix. 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 MLR/	A REAL PROPERTY AND A REAL
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	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
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present,
_ Sandy Gleyed Matrix (S4) estrictive Layer (if present):	Redox Depressions (F8)	unless disturbed or problematic.
Type:		
Depth (inches):		Hydric Soil Present? Yes No _&
emarks:		
VDDOLOCY		
and the second		
Vetland Hydrology Indicators:	e required; check all that apply)	Secondary Indicators (2 or more required)
/etland Hydrology Indicators:	e required: check all that apply) Water-Stained Leaves (B9) (except	
Vetland Hydrology Indicators: rimary Indicators (minimum of on		
Vetland Hydrology Indicators: rimary Indicators (minimum of on Surface Water (A1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Water-Stained Leaves (B9) (MLRA 1, 2,
Vetland Hydrology Indicators: rimary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Vetland Hydrology Indicators: rimary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	 Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9)
Vetland Hydrology Indicators: rimary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 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 Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 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 Im	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR nagery (B7) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5)
/etland Hydrology Indicators: rimary Indicators (minimum of on 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 In Sparsely Vegetated Concave	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR nagery (B7) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8)	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR nagery (B7) Other (Explain in Remarks) Surface (B8) s No Depth (inches); beta boundary (inches);	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8) S Depth (inches): S No Depth (inches): S	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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 Im Sparsely Vegetated Concave Teld Observations: Surface Water Present? Ye Vater Table Present? Ye Saturation Present? Ye Satu	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR nagery (B7) Other (Explain in Remarks) Surface (B8) s No Depth (inches); beta boundary (inches);	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: rrimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8) S Depth (inches): S No Depth (inches): S	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8) S Depth (inches): S No Depth (inches): S	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 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 Im Sparsely Vegetated Concave ield Observations: urface Water Present? Ye vater Table Present? Ye aturation Present? Ye ncludes capillary fringe) Yes	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8) S Depth (inches): S No Depth (inches): S	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
International Action Internation	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8) S Depth (inches): S No Depth (inches): S	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydrology Indicators: rimary Indicators (minimum of on 	Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils Stunted or Stressed Plants (D1) (LR hagery (B7) Other (Explain in Remarks) Surface (B8) S Depth (inches): S No Depth (inches): S	Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C6) FAC-Neutral Test (D5) R A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)