# FINAL WETLAND ASSESSMENT REPORT

Westport Light State Park

Westport, Grays Harbor County, Washington

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Prepared By AECOM Seattle, Washington

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## **Executive Summary**

Washington State Parks and Recreation Commission (WSPRC) manages the Westport Light State Park (Park) within the City of Westport, Washington. The 603-acre park is mostly undeveloped and includes extensive interdunal wetlands. WSPRC is currently preparing a Master Plan which considers potential development of recreational facilities in the Park. The purpose of this report is to identify and describe wetlands and other waters occurring within the Park. This report is intended to help WSPRC avoid and minimize impacts to wetlands during project design and construction. It provides supporting documentation for any potential permit applications with regulatory agencies.

Due to the large size and complex topography within the study area, line transects were established running east-west across the entire Park, using a handheld Global Positional System (GPS) unit. Thirty-eight transects in total were surveyed: 20 transects spaced 300 feet apart and an additional 18 transects spaced 100 feet apart in the cleared portion of the north half of the Park. The transects were walked using GPS, and wetland boundaries were recorded. The results of the transect surveys indicated that much of the study area is best characterized as a mosaic of wetlands and uplands. The wetland mosaic is 337 acres (within the study area). Overall, 68 percent of the mosaic is wetland. Adjacent to the mosaic area, an additional 28 acres is classified as coastal willow swamp, and 21 acres is classified as red alder/slough sedge wetland. The entire 386 acres was considered as one unit (Wetland A) for purposes of wetland rating. This area rates as a Category I interdunal wetland. It has palustrine forested, palustrine scrub-shrub, and palustrine emergent vegetation classes. These wetlands provide high habitat suitability for a range of species. The wetlands and buffers are generally in good condition in the south half of the Park. Large portions of the north half of the Park were cleared and graded approximately 15 years ago for the initial development of a golf course. The golf course was never completed. The disturbed wetlands and buffers in this area are in poor condition.

In addition to the wetland mosaic area, another 28 interdunal wetlands were delineated as individual wetlands. These are concentrated in the northwest corner of the study area and within mapped upland "peninsulas" that extend into the mosaic area. These wetlands range in size from 0.01 to 0.43 acre. Twenty-one of the wetlands are less than 0.1 acre and rate as interdunal Category IV wetlands. Seven are larger than 0.1 acre and rate as interdunal Category III wetlands. Vegetation includes palustrine forested, palustrine scrub-shrub, and palustrine emergent classes. The smaller wetlands provide few habitat functions. Some of the larger individual wetlands have more habitat features and provide moderate levels of habitat suitability. The buffers for most of these wetlands are disturbed and provide few screening or habitat functions. No streams occur within the study area. A roadside ditch along the east edge of Wetland A had wetland characteristics and was included with that wetland. Two constructed ponds occur in the northwest corner of the study area. These are mostly open water with narrow vegetated borders.

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# **Acronyms and Abbreviations**

DNR	Department of Natural Resources
Ecology	Washington State Department of Ecology
ESA	Endangered Species Act
GPS	global positioning system
HGM	hydrogeomorphic [wetland classification]
Lidar	Light Detection and Ranging
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
PEM	palustrine emergent
PFO	palustrine forested
PHS	Priority Habits and Species
PSS	palustrine scrub-shrub
RCA	Recreation Concession Area
USACE	US Army Corps of Engineers
USFWS	US Fish and Wildlife Service
USGS	US Geological Survey
WSPRC	Washington State Parks and Recreation Commission
WMVC	Western Mountains, Valleys, and Coast
	(regional supplement to the USACE wetland delineation manual)
WDFW	Washington State Department of Fish and Wildlife
WNHP	Washington Natural Heritage Program
WSDOT	Washington State Department of Transportation

# 1. Introduction

Washington State Parks and Recreation Commission (WSPRC) manages the Westport Light State Park (Park) within the City of Westport, Washington. The 603-acre park is mostly undeveloped. In 2016, WSPRC approved development of Recreation Concession Areas (RCAs) at the Park. These areas may potentially include campgrounds, cottages, food services, and a golf course. WSPRC is currently developing a Master Plan for the Park. As wetlands are known to be extensive within the Park, the Master Plan and future environmental reviews must address potential wetland impacts from any development.

The purpose of this report is to identify and describe wetlands occurring within the study area. This report provides a baseline of existing conditions to help WSPRC:

- Document wetland boundary determinations for review by regulatory authorities.
- Avoid and minimize impacts to wetlands and other waters during the potential project design process and construction.
- Develop wetland mitigation reports should impacts be unavoidable by providing necessary background information.

This report also provides supporting documentation for potential federal, state, and local permit applications.

All waters identified in this report are assumed to be under US Army Corps of Engineers (USACE) jurisdiction unless otherwise noted.

# 2. Proposed Project

## 2.1. Project Location

The Park is located in the City of Westport, Grays Harbor County, Washington. The Park is at the north end of a narrow peninsula, with the Pacific Ocean to the west and Grays Harbor to the north and east **(Figure 1**). The Park is located in Sections 1 and 12, Township 16 North, Range 12 West (Willamette Meridian). The project occurs in Land Resource Region A and Major Land Resource Area 4A.

## 2.2. Study Area

The study area includes Westport Light State Park east of the primary dune and paved foot path and south of Jetty Haul Road (State Park Access Road). It is bordered by Jetty Haul Road (State Park Access Road) on the north, West Ocean Avenue on the south, North Forrest Street and West Wilson Road along the northeast, and Grays Harbor Lighthouse along the southeast (**Figure 2**). It does not include the Seashore Conservation Area west of the dune or north of Jetty Haul Road (along the Half Moon Bay, Grays Harbor shoreline). Nor does it include an undeveloped 37-acre parcel owned by the City of Westport between the east boundary of the Park and North Forrest Street. The size of the study area is estimated at approximately 500 acres.

The study area is mostly undeveloped. However, the north half of the Park includes extensive areas that were disturbed approximately 15 years ago (prior to inclusion in the Park) for the



Figure 1. Vicinity map



Figure 2. Study area map

development of a golf course. The project, known as Links at Half Moon Bay, was abandoned prior to completion.

## 2.3. Project Purpose and Description

WSPRC may develop approximately 34 acres of the 603-acre Park for RCAs. The Park is currently considered underutilized. Current developments are limited to two parking lots with comfort stations, and an Americans with Disabilities Act–compliant trail along the primary dune. WSPRC is developing a Master Plan for the Park that will indicate the areas and types of developments under consideration.

## 3. Methods

The following data sources were reviewed for information on precipitation, topography, drainage patterns, soils, vegetation, and potential or known wetlands and streams in the project vicinity:

- Natural Resources Conservation Service (NRCS) Climate Data for Grays Harbor County, Hoquiam Bowerman Airport Station, Washington (NRCS 2021a) (Appendix A-1 and A-2).
- US Geological Survey (USGS) Digital Raster Graphics topographic maps (USGS 2021) (Appendix A-3).
- National Wetlands Inventory (NWI) maps (USFWS 2021a; FGDC 2013) (Appendix A-4).
- City of Westport Wetland Inventory Map (City of Westport 2015) (Appendix A-4).
- NRCS, Soil Survey of Grays Harbor County Washington (NRCS 2021b) and Washington State Hydric Soils (NRCS 2021c) (**Appendix A-5**).
- Washington State Department of Natural Resources (DNR 2021a, 2021b), Natural Heritage Program, Wetlands of High Conservation Value.
- Aerial photograph, ESRI (Maxar) 0.5M Resolution, June 5, 2016.
- USGS Olympic Peninsula 3DEP LiDAR Digital Elevation Model (USGS 2019).
- Scientific plant names in this report are from the USACE National Wetland Plant List, version 3.4 (USACE 2018).

Wetland assessment fieldwork was completed during three field visits (March 30-April 2; April 13-16; and April 26-30, 2021) by AECOM wetland biologists Paul Hamidi and Brian Fletcher. Both staff are certified Professional Wetland Scientists. At the request of WSPRC, field work was reviewed in the field on April 14, 2021, by Washington State Department of Transportation (WSDOT) Wetland Biologist Tatiana Dreisbach.

Wetland and stream assessment and report preparation follows policy and guidance on the WSDOT Wetlands webpage (WSDOT 2021).

## 3.1. Wetland Delineation, Classification, Functions, and Buffers

Wetlands were delineated using routine methods described in:

- Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987), and
- Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0) (WMVC Regional Supplement) (USACE 2010).

Wetland boundaries were delineated based on direct observations of vegetation, soils, and hydrology in conjunction with background information listed above. Some wetlands in the project have boundaries extending beyond the study area.

Wetlands were classified using the US Fish and Wildlife Service (USFWS) classification system (Cowardin et al. 1979; FGDC 2013) and the hydrogeomorphic (HGM) classification system (Brinson 1993). Wetlands were rated using the Washington State Wetland Rating System for

Western Washington – 2014 Update (Hruby 2014). The rating system recognizes interdunal wetlands as a unique wetland system that cannot be adequately characterized using the standard questions on the rating form. These wetlands are rather categorized based on special characteristics. Interdunal wetlands 1 acre or larger rate as Category I if the habitat function score is 8 or 9 points; and Category II for lower scores, or for mosaics of wetlands 1 acre or larger. Wetlands smaller than 1 acre are rated strictly based on size: Category III for wetlands or mosaics of wetlands between 0.1 and 1 acre and Category IV for wetlands under 0.1 acre. It is important to note that even though a large portion of the study area is delineated as wetland mosaic following guidance in the USACE regional supplement, this area does not meet the definition of mosaic for purposes of the rating system because all or most of the wetland patches are interconnected and are therefore individually larger than 1 acre in size (Z. Meyer, Washington State Department of Ecology [Ecology], personal communication, May 19, 2021).

For this reason, we have combined the areas which meet the USACE definition of mosaic wetlands with adjacent non-mosaic wetlands (willow swamps and red alder/slough sedge forest) into one mapping unit (Wetland A). This is considered one wetland system for purposes of wetland functional assessment and rating. At the same time, the boundaries of these non-mosaic wetland types are shown on the maps and their unique characteristics are discussed separately.

The Westport Municipal Code (City of Westport 2021) uses the 2014 Rating System to categorize wetlands, and City of Westport wetland buffers (City of Westport 2021) were applied to the wetlands in the study area. For interdunal wetlands, buffer widths range from 40 to 300 feet depending on wetland category, habitat score, and whether or not impact minimization measures would be implemented. Wetland buffer condition within the study area was assessed using the following criteria:

- Land use (e.g., agriculture, residential, commercial, industrial)
- Buffer vegetation structure (tree, shrub, herb, vine, un-vegetated)
- Buffer vegetation community (dominant plant species per strata, native vs. non-native dominants, and description of invasive species or noxious weeds)

## 3.2. Wetland Boundary Documentation

Interdunal wetlands at the Park were delineated as both individual wetlands and as wetland/non-wetland mosaics. According to the WMVC Regional Supplement, "mosaic refers to a landscape where wetland and non-wetland components are too closely associated to be easily delineated or mapped separately." Many interdunal areas in the Park have complex microtopography with repeated elevation changes over short distances. These areas were mapped as mosaics, and the percentage of wetland within the mosaics was determined by following the line transect procedures in the WMVC Regional Supplement. Transects were established running east to west every 300 feet (100 feet in the north half of the Park) using a handheld Global Positioning System (GPS) unit. Transects were walked and wetland boundaries were identified by topography, wetland hydrology, hydrophytic vegetation and/or hydric soil indicators. Each boundary was recorded using GPS. Paired wetland/upland sample plots were recorded along each transect to characterize the mosaic. Wetland portions of transects and sample plots are shown on the wetland delineation maps (**Figures 3 and 4**), located at the end of this report, before the appendices.

In some cases, wetland/non-wetland mosaics on the periphery transition to continuous wetlands in the interior of a polygon. In these cases, only the peripheral mosaic boundaries were located with GPS. The interior boundaries (where the mosaic transitions to continuous wetland) were estimated based on transect data along with interpretation of aerial photographs and LiDARgenerated high-resolution digital elevation models. These interior boundaries generally correspond with the vegetation boundaries between shore pine (*Pinus contorta* var. *contorta*)dominated communities and coastal willow (*Salix hookeriana*) swamps. In the northeast corner of the Park, wetland/non-wetland mosaic transitions to wetland forest dominated by red alder (*Alnus rubra*) and slough sedge (*Carex obnupta*). The boundary between mosaic and nonmosaic red alder wetland was also mapped remotely.

Based on consultation with WSPRC, and due to the publicly accessible nature of the study area, boundaries between wetland or mosaic areas and uplands were not marked in the field. All wetland and mosaic boundary locations and sample plots were recorded using a Trimble Geo 7X handheld GPS unit and post-processed to achieve sub-meter positional accuracy in most cases. Approximately 20 to 30 positions were collected for each point. Data were generally collected as points where there was significant tree canopy. In areas with no or little tree canopy in the north half of the Park, wetland and mosaic boundaries were also collected as lines in the GPS. All data were collected using the Washington State Plane North NAD83 coordinate system. The GPS data were used to produce a wetland delineation map (**Figures 3 and 4**).

## 3.3. Ditches

A roadside ditch was observed along North Forrest Street and West Wilson Road, which corresponds to the east site boundary in the north half of the Park. The ditch in this location contains wetland vegetation and was generally mapped together with the adjoining wetlands or wetland mosaic.

## 3.4. Species and Habitats of Interest

This report includes preliminary information regarding potential Endangered Species Act (ESA) species and habitat; Washington State threatened, endangered, or sensitive species; and habitats of interest that may occur in the study area. A Wildlife Habitat Assessment for the Park is in preparation by AECOM (AECOM 2021a). The following data sources were reviewed for information on federally and state listed threatened, endangered, candidate, sensitive species, and species of concern, as well as habitats of interest:

- Federally listed threatened, endangered, or candidate wildlife species (USFWS 2021b; WDFW 2021) and proposed and designated critical habitat (NMFS 2021)
- Washington State threatened, endangered, and sensitive plants (DNR 2021b)
- Wetlands of High Conservation Value (DNR 2021a)
- Washington Department of Fish and Wildlife (WDFW) Priority Habitats and Species (PHS) (WDFW 2021)

# 4. Existing Conditions

## 4.1. Landscape Setting

The study area occurs adjacent to the Pacific Ocean, where westerly winds and storms have created an extensive system of sand dunes (**Figure 5**). The dunes have taken on their own unique morphology depending on sediment sources and sizes, wind patterns, and degree of stabilization of the dunes (Wiedemann 1984; Schultz 1990). This section of the coast has been accreting over the last century. The interdunal ecosystems are relatively young, especially those closest to the shoreline. The introduction of European beachgrass (*Ammophila arenaria* ssp. *arenaria*) and American beachgrass (*Ammophila breviligulata* ssp. *breviligulata*) has influenced the stabilization of the dunes, and subsequent colonization by woody plants, especially shore pine.

The primary dune east of the beach (foredune) is approximately 20 to 30 feet high in the study area. Sand accumulates in the vegetated parts of the foredune. The largest wetlands in this system occur as a result of wind erosion on the leeward side of the foredune in the area known as the deflation plain. Erosion generally occurs to the elevation of the seasonal high water table, as moist sands are less susceptible to erosion, and vegetation is able to colonize these areas. Wetlands also occur in swales between dune ridges, which are remnants of other dune forms, such as successive foredunes (Wiedemann 1984).



Figure 5. Landscape setting (south half of Park); photo taken August 12, 2016

Source: Coastal Atlas Map, Washington State Department of Ecology



Figure 6. Landscape setting (northwest corner of Park); photo taken August 12, 2016

Source: Coastal Atlas Map, Washington State Department of Ecology

The dunal landscape in the north half of the Park (**Figure 6**) has been significantly altered by clearing and other disturbances associated with initial development of a golf course approximately 15 years ago. Portions of some interdunal wetlands were filled for road/path access, some of the uplands were cleared and graded, and some wetlands were created or deepened. The development was abandoned, but the disturbances degraded the general habitat suitability of the area, as scotch broom (*Cytisus scoparius*) has invaded almost all of the upland areas, and hydrologic connections between some wetlands has been altered. In addition, abandoned silt fencing remains around many of the wetlands.

## 4.2. Climate, Precipitation, and Growing Season

#### 4.2.1. Climate

Climatic conditions for the study area are characterized by 69 inches of average annual rainfall and a growing season of about 320 days per year (NRCS 2021a). As with most of western Washington, the highest monthly precipitation occurs between October 1 and March 31, with precipitation between June and September accounting for only about 10 percent of annual precipitation. Wetlands in the area typically have a prolonged dry period during this time. The water table normally recharges during October and November and remains high from December through March, with drawdown occurring in April or May.

### 4.2.2. Precipitation

The WMVC Regional Supplement (USACE 2010) recommends using methods described in Chapter 19 in Engineering Field Handbook (NRCS 2015) to determine if precipitation occurring in the 3 full months prior to the site visit was normal, drier than normal, or wetter than normal. Actual rainfall is compared to the normal range of the 30-year average. When considering the 3 prior months as a whole, normal precipitation conditions were present prior to the March 30-April 2 and April 13-16 field visits. Two of the 3 months prior to field work were within the normal range, while January was wetter than normal (**Appendix A-1**). Moderate precipitation was recorded in the 10 days preceding the March 30-April 2 field work, while very light precipitation was recorded prior to the April 13-16 field work (**Appendix A-2**).

Drier than normal precipitation conditions were present prior to the April 26-30 field visit (**Appendix A-1**). Only very light precipitation was recorded in the 10 days preceding the field work (**Appendix A-2**). Only 1.57 inches of precipitation were recorded in the entire month of April, which is significantly below average. A graph of accumulated precipitation from January to April is shown in **Figure 7**.

### 4.2.3. Growing Season

According to the NRCS WETS Table (NRCS 2021a) for the nearest station, the 28-degree growing season (50% probability) begins on February 1. The 32-degree growing season begins on April 4. Field work was conducted approximately 2 to 3 months after the beginning of the 28-degree growing season but at the beginning of the 32-degree growing season.



Figure 7. Accumulated precipitation, Hoquiam Bowerman Airport, WA

Source: NRCS 2021a

## 4.3. Wetlands

### 4.3.1. Overview

One large wetland mosaic (Wetland A), two constructed ponds (Wetlands B and C) and 28 individual wetlands (Wetlands D to Z, and AA to AE) were identified in the study area (**Table 1**). Wetland A also includes three adjacent non-mosaic coastal willow swamps and two red alder/slough sedge forested wetlands. Wetlands are all classified as interdunal per the Ecology rating system, which is also used by the City of Westport. Wetlands are palustrine forested (PFO), palustrine scrub-shrub (PSS), and palustrine emergent (PEM) according to the USFWS/Cowardin system, and depressional (interdunal) according to the HGM classification. Wetlands are shown on **Figures 3 and 4** (located before the appendices). Delineation data sheets and wetland rating forms are provided in Appendices B and C, respectively.

Wotland	Wetland Classification			Wetland	Buffor Width	
Identifier	Cowardin <sup>a</sup>	HGM	Wetland Rating <sup>⊳</sup>	Habitat Score	Size (acre)⁰	(feet) <sup>d</sup>
A Wetland mosaic	Forested/Scrub- Shrub/Emergent	Depressional (Interdunal)	Ι	9-high	386*	225-300
В	Open Water/ Emergent	Depressional	N/A	N/A	1.27	Non-jurisdictional; constructed pond
С	Open Water/ Emergent	Depressional	N/A	N/A	0.88	Non-jurisdictional; constructed pond
D	Forested	Depressional (Interdunal)	IV	N/A	0.07	40-50
E	Forested/ Emergent	Depressional (Interdunal)		5-low	0.19	60-80
F	Forested/ Emergent	Depressional (Interdunal)		5-low	0.43	60-80
G	Emergent	Depressional (Interdunal)		5-low	0.13	60-80
н	Emergent	Depressional (Interdunal)	IV	N/A	0.05	40-50
I	Emergent	Depressional (Interdunal)	IV	N/A	0.06	40-50
J	Emergent	Depressional (Interdunal)		4-low	0.11	60-80
К	Emergent	Depressional (Interdunal)	IV	N/A	0.01	40-50
L	Emergent	Depressional (Interdunal)	IV	N/A	0.02	40-50
М	Emergent	Depressional (Interdunal)	IV	N/A	0.05	40-50
N	Forested	Depressional (Interdunal)	IV	N/A	0.08	40-50

#### Table 1. Wetlands within the study area

Wetland	Wetland Classification					Buffer Width
Identifier	Cowardin <sup>a</sup>	HGM	Wetland Rating <sup>b</sup>	Habitat Score	Size (acre) <sup>c</sup>	(feet) <sup>d</sup>
0	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.03	40-50
Р	Emergent	Depressional (Interdunal)	IV	N/A	0.02	40-50
Q	Emergent	Depressional (Interdunal)	IV	N/A	0.03	40-50
R	Scrub-Shrub /Emergent	Depressional (Interdunal)	111	4-low	0.27	60-80
S	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.08	40-50
т	Scrub-Shrub/ Emergent	Depressional (Interdunal)	111	4-low	0.12	60-80
U	Scrub-Shrub/ Emergent	Depressional (Interdunal)	IV	N/A	0.05	40-50
V	Emergent	Depressional (Interdunal)	IV	N/A	0.02	40-50
W	Forested	Depressional (Interdunal)	IV	N/A	0.07	40-50
Х	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.04	40-50
Y	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.04	40-50
Z	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.04	40-50
AA	Scrub-Shrub/ Emergent	Depressional (Interdunal)	IV	N/A	0.08	40-50
AB	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.06	40-50
AC	Scrub-Shrub	Depressional (Interdunal)	IV	N/A	0.07	40-50
AD	Forested/Scrub- Shrub	Depressional (Interdunal)		4-low	0.17	60-80
AE	Forested	Depressional (Interdunal)	IV	N/A	0.01	40-50
Total					390.5	

<sup>a</sup> NWI Class based on vegetation (Cowardin et al. 1979). All wetland Systems are palustrine.

<sup>b</sup> City of Westport classifies wetlands based on the Washington State Wetland Rating system (Hruby 2014).

<sup>c</sup> An asterisk indicates the wetland extends outside of the study area. Only the wetland area occurring within the study area is given.

<sup>d</sup> City of Westport wetland buffer widths based on wetland category and habitat score, with and without implementation of measures to minimize wetland impacts (Tables 15.34-2 and 15.34-3) (City of Westport 2021).

### 4.3.2. Vegetation

Forested wetlands are predominant within the south half and northeast third of the Park. The dominant plant association is **shore pine/slough sedge swamp forest** (AECOM 2017; Morrison and Smith 2007) (**Figure 8**). The shore pine are approximately 25 to 40 years old. Some stands contain minor components of Sitka spruce (*Picea sitchensis*). Western crabapple (*Malus fusca*) and black twinberry (*Lonicera involucrata* var. *involucrata*) are scattered throughout the community. Slough sedge is the dominant herbaceous species. Evergreen huckleberry (*Vaccinium ovatum*), Pacific bayberry (*Morella californica*), and sword fern (*Polystichum munitum*) are present on small hummocks. This community commonly occurs within coastal wetland mosaics.



Figure 8. Photo of shore pine/slough sedge swamp forest

**Red alder/slough sedge forest** occurs mainly along the eastern study area boundary (**Figure 9**). Red alder is the dominant tree. These are approximately 30 to 50 years old. The woody understory is dominated by salmonberry (*Rubus spectabilis*), black twinberry, Pacific crabapple, and Douglas spiraea (*Spiraea douglasii* var. *douglasii*). Slough sedge dominates the herbaceous layer.



Figure 9. Photo of red alder/slough sedge wetland forest

Scrub-shrub wetlands are predominant within the interior of the south half of the park but also occur scattered throughout the study area. The dominant scrub-shrub plant association is the **coastal willow/slough sedge shrub swamp** (AECOM 2017; Morrison and Smith 2007) (**Figure 10**). This community contains almost pure stands of coastal willow, with a large proportion of decadent or dead material. Pacific crabapple, Douglas spiraea, and black twinberry are sometimes present in small amounts. The herbaceous layer is dominated by slough sedge, with minor components of marsh speedwell (*Veronica scutellata*), purslane speedwell (*Veronica peregrina* var. *xalapensis*), small bedstraw (*Galium trifidum*), and marsh violet (*Viola palustris*).

A Douglas spiraea shrub community is of minor extent in the north half of the study area.



Figure 10. Photo of coastal willow/slough sedge shrub swamp

Emergent wetlands occur both as small, scattered openings within the forest and shrub communities and as discreet wetlands in seasonally ponded depressions and swales in the north half of the Park. The dominant emergent community type in the north half of the park is the **falcate rush/dune rush wet meadow** (AECOM 2017) (**Figure 11**). The dominant herbaceous species are slough sedge, falcate rush (*Juncus falcatus*), Brewer's rush (*J. breweri*), and dune rush (*J. nevadensis*). Marsh speedwell is also common.



Figure 11. Photo of falcate rush/dune rush wet meadow

### 4.3.3. Soils

Soils in the study area are mapped as Dune land (78%); Yaquina loamy fine sand (15%); Westport fine sand, 3 to 10% slopes (6%); and Udorthents, level (1%) (NRCS 2021b) (**Appendix A-5**).

**Dune land** is a miscellaneous land type that occurs in deep eolian sands on recently formed dunes. It lacks horizon development.

**Yaquina** soils are mapped in the main deflation plain east of the primary dune. They are very deep, somewhat poorly drained soils formed in eolian sands in depressions. Permeability is

high. Depth to seasonal high water table is at the soil surface. They are frequently ponded. Yaquina is listed as a hydric soil (NRCS 2021b, 2021c).

**Westport** soils are mapped in the large transverse dune in the southeast corner of the Park. They are very deep, excessively drained soils formed in eolian sands on dunes. Permeability is very high. Depth to seasonal high water table is greater than 80 inches. The map unit includes 6 percent hydric soil inclusions in depressions.

**Udorthents** are mapped in the extreme northeast corner of the Park along Montesano Road. They occur in sandy or loamy fill material from dredging and are very deep and moderately well drained. Permeability is high. Depth to a seasonal high water table is 24 to 72 inches.

Hydric soils observed in sample plot locations in the study area exhibited redoximorphic features starting within 6 inches of the soil surface, consistent with hydric soil indicator S5 (Sandy Redox) (**Figures 12 and 13**). Wetter sites exhibited indicator A4 (Hydrogen Sulfide). Soil textures ranged from loamy fine sand to sand.



Figure 12. Photo of hydric soil indicator S5 (Sandy Redox) at SP-B1



Figure 13. Close-up photo of redox concentrations at SP-A17

### 4.3.4. Hydrology

Primary hydrologic inputs to the wetlands in the study area come from a seasonally high water table, precipitation, and surface runoff. Conditions of surface saturation and/or inundation are estimated to occur from November through April or May in a typical year. Surface saturation or inundation was observed in all wetland sample plots during the March 30-April 2 field investigations. Only about half of the wetland plots had free water within 18 inches during the subsequent field investigations. There was abnormally low rainfall during the intervening periods. The sandy soils are highly permeably, and the water table appears to drop quickly once precipitation drops off.

The deepest ponding occurs in the coastal willow swamps and some of the wet meadows. Water depths of 2 feet or more were observed during the first field investigation. However, algal mats and sediment deposits were located another 1 to 2 feet above the water level.

A culvert under West Ocean Avenue is elevated approximately 2 feet above the adjacent willow swamp. During periods of high water, there is discharge to the south into an excavated channel.

Wetland hydrology indicators observed at wetland sample plots in the study area include A1 (Surface Water); A2 (High Water Table); A3 (Saturation); B2 (Sediment Deposits); B4 (Algal

Mat) (**Figures 14 and 15**); B5 (Iron Deposits) (**Figure 6**); B9 (Water-Stained Leaves); D2 Geomorphic Position); and D5 (FAC-Neutral Test).



Figure 14. Photo of algal mat at edge of wet meadow community



Figure 15. Close-up photo of algal mat in coastal willow swamp

### 4.3.5. Wetland Functions

Interdunal wetlands are unique wetland systems that have a very limited range on the Pacific coast. They also tend to occur in coastal areas subject to development pressures. The interdunal wetlands at the Park represent the second largest expanse of such wetlands in Washington. The functions that these wetlands play in the ecosystem is not well understood (Hruby 2014). They are recognized as a special category of wetlands. Large (>1 acre) interdunal wetlands that have high habitat scores (8 or 9 points) provide critical habitat functions in this ecosystem. Such wetlands are now rated as Category I, which was a change from the previous rating system. A very general assessment of wetland functions and values is provided in **Table 2**. Individual wetlands are lumped as either Category III or Category IV depending on their size. Habitat scores for Category III wetlands are provided in **Table 1**.

	Wetland				
Function/Value	Aª	Category III Individual Wetlands	Category IV Individual Wetlands		
Water Quality Functions					
Sediment Removal	Х	X	X*		
Nutrient and Toxicant Removal	Х	Х	Х		
Hydrologic Functions					
Flood Flow Alteration	-	-	-		
Erosion Control & Shoreline Stabilization	-	-	-		
Habitat Functions					
Production of Organic Matter	Х	Х	Х		
General Habitat Suitability	X*	X*	-		
Habitat for Aquatic Invertebrates	X*	Х	-		
Habitat for Amphibians	X*	Х	-		
Habitat for Wetland-Associated Mammals	-	-	-		
Habitat for Wetland-Associated Birds	Х	-	-		
General Fish Habitat	-	-	-		
Native Plant Richness	Х	-	-		
Special Characteristics					
Educational or Scientific Value	Х	-	-		
Uniqueness and Heritage	X*	-	-		

#### Table 2. Functions and values of wetlands in the study area

<sup>a</sup> For purposes of functional assessment and rating, Wetland A includes the area mapped as wetland mosaic, as well as the adjacent coastal willow swamp and red alder/slough sedge wetlands.

"X" indicates the function is present.

"\*" indicates a principal function of the wetland.

"-" indicates that the function is not present.

### 4.3.6. Wetland Buffers

Wetland buffers in the south half of the Park are dominated by shore pine forest (**Figure 16**) on the east side of the wetland mosaic and on the upland portions of the mosaic. The woody understory is dominated by salal (*Gaultheria shallon*), red huckleberry, evergreen huckleberry, Pacific bayberry, salmonberry, Pacific dewberry (*Rubus ursinus*), and red elderberry (*Sambucus racemosa*). Scotch broom is locally prevalent in disturbed areas. There is normally very little herbaceous cover except in transitional areas where slough sedge occurs. Sword fern and rattlesnake plantain (*Goodyera oblongifolia*) are uncommon, although patches of lily-of-the-

valley (*Maianthemum dilatatum*) were frequently encountered in buffers in the south half of the park. There are footpaths throughout the buffer.



Figure 16. Photo of typical buffer in the south half of the Park (near Transect #7)

The buffer on the west side of the wetland mosaic contains a mix of shore pine trees and saplings, scotch broom shrubland, European beachgrass, and mostly unvegetated active dunes.

A large portion of the north half of the Park was extensively cleared and graded approximately 15 years ago. Wetland buffers, and the upland component of the wetland mosaic, is dominated by scotch broom and beachgrass (**Figure 17**).



Figure 17. Photo of typical buffer in the cleared area of the north half of the Park (near Transect #18)

## 4.4. Wetland Summaries

## 4.4.1. Wetland A (Wetland Mosaic)

The single large wetland mosaic and adjacent non-mosaic coastal willow swamp and red alder wetland forest account for 386 acres, which is 77 percent of the study area. This includes 337 acres wetland mosaic, 28 acres willow swamp, and 21 acres red alder/slough sedge forest. In order to characterize the wetland mosaic, a total of 20 transects spaced every 300 feet were established over the entire study area using a handheld GPS. An additional 18 transects spaced every 100 feet were established in the cleared part of the north half of the Park. Transect lengths that crossed mapped uplands, mapped coastal willow swamps, or mapped red alder/slough sedge wetlands were not considered in the analysis, as these are not part of the wetland mosaic. **Table 3** provides results of the transect surveys. **Table 4** provides a summary of Wetland A characteristics.

The south half of the mosaic (Transects T-1 to T-11) is approximately **60 percent** wetland. The north half (based on Transects T-12 to T-20 alone) is **64 percent** wetland. The cleared area in the north half of the mosaic is **76 percent wetland**, based solely on the 100-foot-wide transects

(labelled b and c in **Table 3**.) The combined average (total wetland length over total transect length) was **68 percent** wetland.

Transect #	Total Transect Length (feet)	Wetland Length (feet)	Percent Wetland
T-1	999	724	73
T-2	1,015	650	64
T-3	1,301	743	57
T-4	970	528	54
T-5	1,797	948	53
T-6	1,708	1,008	59
T-7	1,936	1,238	64
T-8	2,270	1,642	72
T-9	2,187	1,262	58
T-10	1,733	992	57
T-11	1,876	945	50
T-12	3,203	1,758	55
T-12b	1,699	882	52
T-12c	1,756	959	55
T-13	3,046	1,744	57
T-13b	1,584	1,069	67
T-13c	1,334	807	60
T-14	2,928	2,095	72
T-14b	2,016	1,197	59
T-14c	1,691	1,070	63
T-15	3,229	1,849	57
T-15b	2,584	1,734	67
T-15c	2,234	1,683	75
T-16	2,563	2,229	87
T-16b	2,648	2,136	81
T-16c	2,005	2,001	100
T-17	1,865	1,358	73
T-17b	2,296	1,956	85
T-17c	1,849	1,786	97

Table 3. Summary of transect data collected in Wetland A

Transect #	Total Transect Length (feet)	Wetland Length (feet)		Percent Wetland
T-18	2,158	1,447		67
T-18b	1,543	1,365		88
T-18c	1,394	1,268		91
T-19	2,433	1,511		62
T-19b	1,360	1,150		85
T-19c	971	952		98
T-20	1,751	726		41
T-20b	750	685		91
T-20c	858	683		80
			Average T	ransect = 69% wetland
Sum	71,537	48,781		Combined Average = 68%

### Table 4. Wetland A (Wetland Mosaic) summary

WETLAND A (Mosaic) – INFORMATION SUMMARY			
Location: Extends from West Ocean Avenue to the State Park Access Road			
		Local Jurisdiction	City of Westport
		Ecology Rating (2014)	Category I
		Local Rating	Category I
		City of Westport Buffer Width	225 to 300 feet
		Wetland Size	Total within study area: 386 acres Mosaic Area: 337 acres Calculated Wetland Area in mosaic based on 68% wetland: 229 acres coastal willow swamp: 28 acres red alder/slough sedge wetland: 21 acres
		Cowardin Class	PFO/PSS/PEM
		HGM Class	Depressional (interdunal)

	WETLAND A (Mosaic) –	INFORMATION S	UMMARY	
		Wetland Data Sheets for Mosaic	Appendix B; Sampling Point SP- A1, A3, A5, A7, A11, A15, A17, A19, A21; T6-1, T7-1, T8-1, T9-1, T10-1, T12-1, T13-1, T15-1, T16- 1, T17-1, T18-1, T19-1, W-I1, T21-1, T15-C1, W-M1, B1, B3	
		Upland Data Sheets for Mosaic	Appendix B; Sampling Point SP- A2, A4, A6, A8, A12, A16, A18, A20, A22, T6-2, T7-2, T8-2, T9-2, T10-2, T12-2, T13-2, T15-2, T16-2, T17- 2, T18-2, T19-2, W-I2, T21-2, T15-C2, W-M2, B2, B4	
		Data Sheets for Coastal Willow Swamp	A9, A10, A13, A14, A23, A24	
		Data Sheets for Red Alder- Slough Sedge wetland	T14-1, T14-1b, T20-1, T20-2	
	Wetland	Delineation		
Dominant VegetationTrees – shore pine, red alderShrubs – coastal willow, Douglas spiraea, black twinberry, western crabapple, Pac bayberry, salmonberry Herbaceous – slough sedge, marsh speedwell, Pacific silverweed, falcate rush, du rush, Brower's rush		berry, western crabapple, Pacific ic silverweed, falcate rush, dune		
Soils	Soil matrices of 2.5Y 4/1 and 4/2 with redoximorphic concentrations starting within 6 inches of the soil surface. Indicator: Sandy Redox (S5) met.			
Hydrology Hydrology Seasonally high groundwater is th to direct precipitation and surface with the coastal willow swamps an observed in these areas. Indicators: Surface Water (A1), Hig Deposits (B2), Algal Mat (B4), Iron Hydrogen Sulfide Odor (C1), Oxid FAC-Neutral Test (D5).		e primary hydrology runoff. The lowest p id the deeper wet m gh Water Table (A2 n Deposits (B5), Wa ized Rhizospheres	y source for this wetland, in addition bart of the wetland is associated headows. Inundation to 2 feet was 2), Saturation (A3), Sediment ater-Stained Leaves (B-9), (C3), Geomorphic Position (D2),	
Rationale for Delineation	Rationale for DelineationInterdunal wetlands with hydric soils, hydrophytic vegetation, and free water or soil saturation in April, as well as indicators of inundation. Topography and soils were helpful in determining the wetland boundary.			
Wetland Rating and Functions				
Rationale for Local Rating	The City of Westport Municipal Code classifies wetlands based on the Washington State Wetland Rating System. Wetland A is considered Category I based on special characteristics of interdunal wetlands larger than 1 acre with a high habitat score.			
Functions	Functions       Wetland A provides critical habitat functions for aquatic invertebrates, amphibians, and wetland-associated birds. A state-threatened lichen is mapped in the southwest corner of the mosaic (Table 8). Wetlands have high values for uniqueness and heritage. Function summaries provided in Table 2.			

WETLAND A (Mosaic) – INFORMATION SUMMARY				
Wetland Buffers				
Buffer Condition	Buffer ranges from forested areas dominated by shore pine to a mix of shore pine trees and saplings, scotch broom shrubland, European beachgrass, and mostly unvegetated active dunes. Much of the north half of the Park was cleared and graded 15 years ago, resulting in extensive cover of beachgrass and scotch broom in the buffers.			

#### 4.4.2. Non-Mosaic Wetlands

**Tables 5 through 7** summarize the characteristics of the non-mosaic wetlands documented within the study area.

WETLANDS B and C – INFORMATION SUMMARY					
Location: Northwest corner of the park					
		Local Jurisdiction	Non-jurisdictional		
		Ecology Rating (2014)	Non-jurisdictional		
		Local Rating	N/A		
		City of Westport Buffer Width	N/A		
		Size	B: 1.27 acres C: 0.88 acre		
		Cowardin Class	Open water/emergent fringe		
		HGM Class	Depressional (constructed ponds in the dunes)		
	A CARLER AND A CARLE		N/A		
		Upland Data Sheet(s)	N/A		
	Wetland	Delineation			
Dominant	Predominantly open water, with narrow fringe of slough sedge, rushes, and coastal				
Vegetation	willow				
Soils	N/A				
Hydrology	Ponds were excavated in the dunes around 2006, presumably as landscape features for a proposed golf course. Permanently inundated. There is a culvert that connects the two ponds.				
Rationale	Non-jurisdictional wetlands; excavated in uplands as part of an abandoned golf course development. Mostly non-vegetated.				
Wetland Rating and Functions					
Rationale for Local Rating	N/A				
Functions	The ponds provide open water habitat for waterfowl.				
Wetland Buffers					
Buffer Condition	N/A				

### Table 5. Wetlands B and C (Constructed Ponds) summary

WETLANDS E, F, G, J, R, T, AD – INFORMATION SUMMARY					
Location:	Mainly in the northwest corner of the study area and within the mapped upland peninsulas				
		Local Jurisdiction	City of Westport		
1	A CARLEN AND	Ecology Rating (2014)	Category III		
		Local Rating	Category III		
		City of Westport Buffer Width	60 to 80 feet		
		Wetland Sizes	0.11 to 0.43 acre		
		Cowardin Classes	PFO, PSS, PEM		
Wards.		HGM Class	Depressional (interdunal)		
		Wetland Data Sheet(s)	Appendix B; Sampling Point SP-W-E1, W-F1		
		Upland Data Sheet(s)	<b>Appendix B</b> ; Sampling Point SP-W-E2, W-F2		
Wetland Delineation					
Dominant Vegetation	Trees – shore pine Shrubs – coastal willow, Douglas spiraea, black twinberry Herbaceous – slough sedge, marsh speedwell, Pacific silverweed, falcate rush, dune rush, Brewer's rush, spreading bentgrass				
Soils	Soil matrices of 2.5Y 4/1 and 4/2 with redoximorphic concentrations starting within 6 inches of the soil surface. Indicator: Sandy Redox (S5) met.				
Hydrology	<ul> <li>Seasonally high groundwater is the primary hydrology source for these wetlands, in addition to direct precipitation and surface runoff. These wetlands were observed in mid to late April after an extended dry period. They generally lacked surface saturation or free water within 18 inches.</li> <li>Indicators: Sediment Deposits (B2), Algal Mat (B4), Iron Deposits (B5), Water-Stained Leaves (B-9), Geomorphic Position (D2), FAC-Neutral Test (D5).</li> </ul>				
Rationale for	Interdunal wetlands with hydric soils, hydrophytic vegetation, and indicators of				
<b>Delineation</b> inundation. Topography and soils were helpful in determining the wetland boundary.					
Wetland Rating and Functions					
Rationale for Local Rating	Wetland Rating System. These wetlands are considered Category III based on special characteristics of interdunal wetlands between 0.1 and 1 acre in size.				
Functions	Due to their small size and mostly disturbed buffers, these wetlands provide low to moderate habitat suitability. Functions summaries provided in <b>Table 2</b> .				
Wetland Buffers					
Buffer Condition	development of a golf course. Dominant vegetation is European beachgrass and scotch broom.				

### Table 6. Category III individual wetlands summary

WETLANDS D, H, I, K–Q, S, U–Z, AA, AB, AC, AE – INFORMATION SUMMARY					
Location:	Mainly in the northwest corner of the study area and within the mapped upland peninsulas				
		Local Jurisdiction	City of Westport		
and a series	Carl And	Ecology Rating (2014)	Category IV		
	A CONTRACTOR OF CONTRACTOR	Local Rating	Category IV		
		City of Westport Buffer Width	40 to 50 feet		
		Wetland Sizes	0.01 to 0.08 acre		
		Cowardin Classes	PSS, PEM, PFO		
	2. Zakara and	HGM Class	Depressional (interdunal)		
	Contraction of	Wetland Data Sheet(s)	Appendix B; Sampling Point SP-W-D1		
		Upland Data Sheet(s)	<b>Appendix B</b> ; Sampling Point SP-W-D2		
Wetland Delineation					
Dominant Vegetation	Trees – shore pine Shrubs – coastal willow, Douglas spiraea, black twinberry Herbaceous – slough sedge, falcate rush, dune rush, Brewer's rush, spreading bentgrass				
Soils	Soil matrices of 2.5Y 4/1 and 4/2 with redoximorphic concentrations starting within 6 inches of the soil surface. Indicator: Sandy Redox (S5) met.				
Hydrology	Seasonally high groundwater is the primary hydrology source for these wetlands. These wetlands were observed in mid to late April after an extended dry period. They generally lacked surface saturation or free water within 18 inches. Indicators: Algal Mat (B4), Iron Deposits (B5), Water-Stained Leaves (B-9), Geomorphic Position (D2), FAC-Neutral Test (D5).				
Rationale for Delineation	Interdunal wetlands with hydric soils, hydrophytic vegetation, and generally with indicators of shallow inundation. Topography and soils were helpful in determining the wetland boundary.				
Wetland Rating and Functions					
Rationale for Local Rating	The City of Westport Municipal Code classifies wetlands based on the Washington State Wetland Rating System. These wetlands are considered Category IV based on special characteristics of interdunal wetlands less than 0.1 acre in size.				
Functions	Due to their very small size and disturbed buffers, these wetlands provide low habitat suitability. Functions summaries provided in <b>Table 2</b> .				
Wetland Buffers					
Buffer Condition	Butters are generally disturbed fro development of a golf course. Don broom.	m past clearing and gradin ninant vegetation is Europe	g activities associated with ean beachgrass and scotch		

### Table 7. Category IV individual wetlands summary
## 4.5. Species and Habitats of Interest

The following information is a cursory look at potential ESA species and habitats that may occur in the study area. In addition, information on sensitive or unique wildlife, plants, and habitats occurring in Washington State is provided. AECOM is preparing a Wildlife Habitat Assessment for the Park (AECOM 2021a).

Federally listed endangered, threatened, or candidate species indicated as potentially present in the study area vicinity (USFWS 2021) are listed in **Table 8**. No special status fish species were identified as present in the park by referencing NMFS resources (NMFS 2021).

WDFW data indicate that PHS are not known to be present within or immediately adjacent to the study area (WDFW 2021). Numerous PHS are mapped within 1 mile of the study area (**Table 9**).

The Washington State Department of Natural Resources, Washington Natural Heritage Program (WNHP) identifies Washington State threatened, endangered, and sensitive plants. The WNHP database does not show any of these vascular plant species in or adjacent to the study area (DNR 2020b). However, a state threatened lichen species (*Kaernefeltia californica*) is mapped by WNHP (DNR 2021a, 2021b) in the southwest corner of Wetland A. The lichen is associated with coastal shore pine habitats.

No rare vascular plants were documented in the north half of the Park during the 2017 vegetation survey (AECOM 2017). A vegetation survey report of the south half of the Park is in progress (AECOM 2021b).

Common Name	Scientific Name	Federal Status	Location in Relation to Study Area
Oregon Silverspot Butterfly	Speyeria zerene hippolyta	Threatened	Not expected to occur in the study area. The species is considered extirpated from Washington state, although historically a population occurred in Westport. The population at Westport disappeared sometime prior to 1982.
Bull trout	Salvelinus confluentus	Threatened	Not expected to occur in the study area. There are no freshwater streams, and the study area does not include any of the marine nearshore habitat this species uses.
Yellow-billed Cuckoo Western DPS	Coccyzus americanus	Threatened	Not expected to occur within the study area. The yellow-billed cuckoo is not thought to regularly occur in Washington State and it is extremely unlikely that the bird would regularly occur in the study area.

### Table 8. Federal listed species within half mile of study area

Marbled Murrelet	Brachyramphus marmoratus	Threatened	Not anticipated to nest within the study area. Shore pine dominated forests do not conform to the old growth preferred by the species. Murrelets may forage in the nearshore environment adjacent to the study area.
Short-tailed Albatross	Phoebastria (=Diomedea) albatrus	Endangered	Not anticipated to breed in the study area, as breeding is limited to a few islands. The species may occasionally forage in marine waters adjacent to the study area.
Streaked Horned Lark	Eremophila alpestris strigata	Threatened	This species has the potential to occur in the study area. Areas that are barren or sparsely vegetated do occur in the study area, and the species has been documented nearby.
Western Snowy Plover	Charadrius nivosus nivosus	Threatened	Mapped nest on neck of spit 0.5 mile northeast of Westport Airport. No suitable habitat in study area. May occur in adjacent beach habitats.

# Table 9. WDFW priority habitats and species occurring within 1 mile of the study area

Common Name	Scientific Name	State Status	Location in Relation to Study Area
Western snowy plover	Charadrius nivosus	Endangered	Mapped nest on neck of spit 0.5 mile northeast of Westport Airport. No suitable habitat in study area. May occur in adjacent beach habitats.
Surf smelt	Hypomesus pretiosus	Not listed	On beach along north end of Park
Rainbow trout	Oncorhynchus mykiss	Not listed	Elk River
Coho	Oncorhynchus kisutch	Not listed	Elk River
Fall Chinook	Oncorhynchus tshawytscha	Not listed	Elk River
Winter steelhead	Oncorhynchus mykiss	Not listed	Elk River
Resident coastal cutthroat	Oncorhynchus clarki	Not listed	Elk River
Kumamoto oyster	Crassostrea gigas	Not listed	Grays Harbor

Common Name	Scientific Name	State Status	Location in Relation to Study Area
Commercial crabbing	N/A	N/A	Grays Harbor
Pacific herring (Georgia Basin DPS)	Clupea pallasi	Candidate	Grays Harbor
Shorebird concentrations	N/A	Not listed	Armored spit at entrance of Half Moon Bay; tidal marshes of Grays Harbor. Occur on shorelines adjacent to the study area.
Great blue heron	Ardea herodias	Not listed	Mapped rookery 0.5 mile southeast of the Park. May occur within the study area.
Brown pelican	Pelecanus occidentalis	Not listed	Mapped occurrence northeast of Park, north of Westport jetty. Unlikely to occur within the study area. May occur in adjacent nearshore environments.

## 5. Limitations

This wetland assessment report documents the investigation, best professional judgment, and conclusions of AECOM based on the site conditions encountered at the time of this study. The wetland delineation was performed in compliance with accepted standards for professional wetland biologists and applicable federal, state, and local laws and ordinances, and WSDOT policies and guidance. The information contained in this report is correct and complete to the best of our knowledge. It should be considered a preliminary jurisdictional determination of wetlands and other waters until it has been reviewed and approved in writing by the appropriate jurisdictional authorities. The final determination of the wetland boundary, classification, and required setback and buffer will be made by local, state, and federal jurisdictions.

## 6. References

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## WETLAND DELINEATION MAPS

## Figures 3-1 to 3-4: Wetland Delineation Map

- Wetland and mosaic boundaries on 2016 aerial photo
- Wetland segments of transects are shown as blue lines

## Figures 4-1 to 4-4: Wetland Delineation Map with Transects

- Wetland and mosaic boundaries on 2019 Digital Terrain Model (DTM) Hillshade
- Walked transects are shown as fine purple lines

















# Appendix A. Background Information

Appendix A includes the following sub-appendices:

- A-1 Comparison of Observed and Normal Precipitation for Hoquiam, Washington
- A-2 Daily Precipitation for 10 Days Preceding Fieldwork, Hoquiam, Washington
- A-3 USGS Topographic Map
- A-4 National and Local Wetland Inventory Map
- A-5 NRCS Soil Survey Map

### Appendix A-1. Comparison of Observed and Normal Precipitation

The Regional Delineation Supplement Version 2.0 (USACE 2010) recommends using methods described in Chapter 19 in Engineering Field Handbook (NRCS 2015) to determine if precipitation occurring in the 3 full months prior to the site visit was normal, drier than normal, or wetter than normal. Actual rainfall is compared to the normal range of the 30-year average. The following table shows this information.

### Monthly precipitation data for Hoquiam Bowerman Airport, Washington (1971-2000)

	Long-te	erm rainfall r	ecords <sup>a</sup>						
Month	3 yrs. in 10 less than	Average	3 yrs. in 10 more than	Rain fallª	Condition dry, wet, normal <sup>b</sup>	Condition Value	Month weight value	Product of previous two columns <sup>c</sup>	Product of previous two columns <sup>d</sup>
April	3.62	4.98	5.86	1.57	dry	1	/3	-	3
March	5.40	7.24	8.47	5.75	normal	2	3/2	6	4
Feb.	5.76	8.40	10.01	8.75	normal	2	2/1	4	2
Jan.	6.54	9.79	11.72	17.27	wet	3	1/	3	-
							Sum	13 (Normal)	9 (Dry)

<sup>a</sup>NRCS 2021a

<sup>b</sup> Conditions are considered normal if they fall within the low and high range around the average. <sup>c</sup>Applies to conditions prior to the March 30 - April 2; and April 13 -16 field observations.

<sup>d</sup>Applies to conditions prior to the April 26 - 30 field observations.

Note:	If sum is	Condition va	lue:
	6 - 9 then prior period has been drier than normal	Dry (D)	= 1
	10 - 14 then period has been normal	Normal (N)	= 2
	15 - 18 then period has been wetter than normal	Wet (W)	= 3

Conclusions: Normal precipitation conditions were present prior to the March 30-April 2 and April 13-16 field visits. Drier than normal precipitation conditions were present prior to the April 26-30 field visit.

### Appendix A-2. Daily Precipitation for 10 Days Preceding Fieldwork, Hoquiam Bowerman Airport, Washington

To determine if light, moderate, or heavy precipitation occurred in the 10 days prior to field work, the 10-day total is compared to one-third of the monthly average precipitation for the month evaluated (NRCS 2021a).

# Daily precipitation data preceding the March and April field visits for Hoquiam Bowerman Airport, Washington.

March 20       0.14         March 21       0.87         March 22       0.02         March 23       0         March 24       0.51         March 25       0.02         March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.09         April 9       0.09	Date (2021)	Daily Precipitation (inches) <sup>a</sup>
March 21       0.87         March 22       0.02         March 23       0         March 24       0.51         March 25       0.02         March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11	March 20	0.14
March 22       0.02         March 23       0         March 24       0.51         March 25       0.02         March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         April 3       0         April 4       0         April 5       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11	March 21	0.87
March 23       0         March 24       0.51         March 25       0.02         March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         April 3       0         April 4       0         April 5       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 10       0.11	March 22	0.02
March 24       0.51         March 25       0.02         March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         10-Day Sum       1.27 to 2.30         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 10       0.11	March 23	0
March 25       0.02         March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         10-Day Sum       1.27 to 2.30         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 10       0.11	March 24	0.51
March 26       0         March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         10-Day Sum       1.27 to 2.30         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 11       0	March 25	0.02
March 27       0         March 28       0.73         March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         10-Day Sum       1.27 to 2.30         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 11       0	March 26	0
March 28       0.73         March 29       0.01         March 30       0         March 31       0         March 31       0         April 1       0         April 2       0         10-Day Sum       1.27 to 2.30         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 11       0	March 27	0
March 29       0.01         March 30       0         March 31       0         April 1       0         April 2       0         10-Day Sum       1.27 to 2.30         April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 10       0.11         April 11       0	March 28	0.73
March 30         0           March 31         0           April 1         0           April 2         0           10-Day Sum         1.27 to 2.30           April 3         0           April 4         0           April 5         0           April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	March 29	0.01
March 31         0           April 1         0           April 2         0           10-Day Sum         1.27 to 2.30           April 3         0           April 4         0           April 5         0           April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	March 30	0
April 1         0           April 2         0           10-Day Sum         1.27 to 2.30           April 3         0           April 4         0           April 5         0           April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	March 31	0
April 2         0           10-Day Sum         1.27 to 2.30           April 3         0           April 4         0           April 5         0           April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11		
10-Day Sum         1.27 to 2.30           April 3         0           April 4         0           April 5         0           April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	April 1	0
April 3       0         April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 11       0	April 1 April 2	0 0
April 4       0         April 5       0         April 6       0         April 7       0.17         April 8       0.06         April 9       0.09         April 10       0.11         April 11       0	April 1 April 2 10-Day Sum	0 0 1.27 to 2.30
April 5         0           April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	April 1 April 2 10-Day Sum April 3	0 0 1.27 to 2.30 0
April 6         0           April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	April 1 April 2 10-Day Sum April 3 April 4	0 0 1.27 to 2.30 0 0
April 7         0.17           April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	April 1 April 2 10-Day Sum April 3 April 4 April 5	0 0 1.27 to 2.30 0 0 0
April 8         0.06           April 9         0.09           April 10         0.11           April 11         0	April 1 April 2 10-Day Sum April 3 April 4 April 5 April 6	0 0 1.27 to 2.30 0 0 0 0
April 9         0.09           April 10         0.11           April 11         0	April 1 April 2 10-Day Sum April 3 April 4 April 5 April 6 April 7	0 0 1.27 to 2.30 0 0 0 0 0 0 0.17
April 10         0.11           April 11         0	April 1 April 2 10-Day Sum April 3 April 4 April 5 April 6 April 7 April 8	0 0 1.27 to 2.30 0 0 0 0 0.17 0.06
April 11 0	April 1 April 2 10-Day Sum April 3 April 4 April 5 April 6 April 7 April 8 April 9	0 0 1.27 to 2.30 0 0 0 0 0 0.17 0.06 0.09
	April 1 April 2 10-Day Sum April 3 April 4 April 5 April 6 April 7 April 8 April 9 April 10	0 0 1.27 to 2.30 0 0 0 0 0 0 0.17 0.06 0.09 0.11
April 12 0	April 1 April 2 10-Day Sum April 3 April 4 April 5 April 5 April 6 April 7 April 8 April 9 April 10 April 11	0 0 1.27 to 2.30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Date (2021)	Daily Precipitation (inches) <sup>a</sup>
April 13	0
April 14	0
April 15	0
April 16	0
10-Day Sum	0.43
April 16	0
April 17	0
April 18	0
April 19	0
April 20	0
April 21	0
April 22	0
April 23	0
April 24	0.77
April 25	0.17
April 26	0.02
April 27	0
April 28	0
April 29	0
April 30	0.18
10-Day Sum	0.94 to 1.14

<sup>a</sup>NRCS 2021a

Shaded rows are dates of field work

Conclusions: Moderate precipitation was recorded in the 10 days preceding the March 30-April 2 field work. Very light precipitation was recorded in the 10 days preceding the other two field visits in April.



Appendix A-3. USGS Topographic Map





Appendix A-5. NRCS Soil Survey Map

## **Appendix B. Wetland Delineation Data Sheets**

Appendix B includes 70 sample point data sheets. Sample points were taken as paired plots, with the odd numbered sample point taken in the wetland, and the even numbered point in the upland.

Data sheets are arranged as follows:

SP-A1 to A24

SP-T6 to T21

SP-B, D, E, F, I, and M

WETLAND DETERMINATION DA	ATA FORM	- West	ern Mou	ntains, Valleys, an	d Coast Re	egion	
Project/Site: W2St Port 19sht SP	Ci	itv/County:	Wast	Port	Sampling Da	ate: 3-3	2-21
Applicant/Owner: State Park		.,		State: WA	Sampling Po	oint: 3P-	AL
Investigator(s): P. Hamidi	S	ection, Tov	vnship, Ra	nge:		-	
Landform (hillslope, terrace, etc.): 12 tordo.04	L	ocal relief	(concave,	convex, none): Conco	ule	Slope (%):	1
Subregion (LRR):	Lat:			Long:	.18	Datum:	
Soil Map Unit Name: Ya QUING				NWI classifi	cation: P#	FOC	
Are climatic / hydrologic conditions on the site typical for thi	is time of vear	? Yes	No	(If no, explain in F	Remarks.)		
Are Vegetation . Soil . or Hydrology	significantly di	isturbed?	Are "	Normal Circumstances"	present? Yes	s <u>×</u> N	0
Are Vegetation . Soil . or Hydrology	naturally probl	lematic?	(If ne	eded, explain any answe	ers in Remark	s.)	
SUMMARY OF FINDINGS - Attach site man	showing s	ampline	n point le	ocations, transects	s, importar	nt feature	s, etc.
Hudronhutia Vagatatian Propert?	showing a		point				_
Hydric Soil Present? Yes <u>V</u>	No	Is the	Sampled	Area	No		
Wetland Hydrology Present? Yes K	No	withi	n a Wetlar	nd? fes <u>p</u>		100	Level 1
Remarks: Ob 1.1	Constanting of the		, 1				
Photos 179-182	ice	Hard	A				
VEGETATION – Use scientific names of plan	nts.		oration.			1	14 July 1
21	Absolute	Dominant	Indicator	Dominance Test work	(sheet:		616
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Number of Dominant S	pecies	3	(4)
1. PINUS CONTOUTS	- 82 -	4-	PAC	That Are OBL, FACVV,	OFFAC		. (4)
2			- d - 3.45	Total Number of Domin Species Across All Stra	nant ata:	3	(B)
4.	1. 1. 1. 1. 1.	1848		Descent of Deminent S			
15'	35 =	= Total Cov	rer	That Are OBL, FACW,	or FAC:	100	(A/B)
Sapling/Shrub Stratum (Plot size: 15)	10	V	EAN	Prevalence Index wor	rksheet:	1.1.1	1. 1. 1
1. THOUCING CATTONICA		-1	1 100	Total % Cover of:	M	ultiply by:	-
3		212	14 S S S	OBL species	x1=	_	- 1
4			S. Same	FACVV species	x2= x3=		-
5		100 m 1		FACU species	x4=	12.2.4	
	-10=	- Total Cov	er	UPL species	x 5 =		_
1 Cavan abou Ptg	70	Y	UBL	Column Totals:	(A)		_ (B)
2.	4.55	10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	and the	Prevalence Index	c = B/A =		
3			_	Hydrophytic Vegetati	on Indicators	5:	
4				1 - Rapid Test for	Hydrophytic V	egetation	
5				2 - Dominance Te	st is >50%		
6				3 - Prevalence Ind	ex is ≤3.0'		
7				data in Remark	Adaptations' ( is or on a sepa	Provide sup arate sheet)	porting
8				5 - Wetland Non-V	ascular Plant	s <sup>1</sup>	
<u>.</u>				Problematic Hydro	phytic Vegeta	ition <sup>1</sup> (Expla	in)
11				<sup>1</sup> Indicators of hydric so	il and wetland	hydrology i	must
15	=	Total Cov	er	be present, unless dist		iematic.	÷
Woody Vine Stratum (Plot size:)				II. dansk de			
1				Vegetation	1.2		
2	0=	Total Cov	er	Present? Ye	s K N	lo	
% Bare Ground in Herb Stratum						182	
Remarks:							
							1.1

Spine.

SOIL

Sampling Point: SP-A1

Profile Des	cription: (Descri	De lo life de		<b>-</b>				
Depth	Matrix	K	Color (moist)	x Features	Tvpe <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
(inches)	Color (moist)	%					Litter	
00		- 1			-	- i	1EC -	The second second
0-5	2,54 411	100					12 -	
5-18	254 4/2	. 95	104R 414	5	<u> </u>	<u></u>	LPS_	
				1.1.1.1.1.	-			and a second
1.1.1.1.1.1								
	·			_				
			All and the second second					and the second
4				_				
<sup>1</sup> Type: C=C	Concentration, D=[	Depletion, RM	=Reduced Matrix, C	S=Covered	d or Coate	d Sand Gra	ains. <sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (App	licable to a	I LRRs, unless othe	rwise not	ed.)	1.1.1	Indicators for	Problematic Hydric Soils <sup>3</sup> :
Histoso	ol (A1)		X Sandy Redox (	S5)			2 cm Muc	k (A10)
Histic E	Epipedon (A2)		Stripped Matrix	(S6)			Red Parer	nt Material (TF2)
Black H	Histic (A3)		Loamy Mucky	Mineral (F	1) (except	MLRA 1)	Very Shall	ow Dark Surface (TF12)
Hydrog	en Sulfide (A4)		Loamy Gleyed	Matrix (F2	)		Other (Exp	blain in Remarks)
Deplete	ed Below Dark Sur	face (A11)	Depleted Matri	x (F3)			<sup>3</sup> Indiactors of h	wdrophytic vegetation and
Thick D	Jark Surface (A12)	0	Redox Dark St	Surface (F6)	7)		wetland by	irology must be present.
Sandy	Gleved Matrix (S4	)	Redox Depres	sions (F8)	"		unless distu	irbed or problematic.
Restrictive	Layer (if present	t):						
Type:	NONL						a second of	
Denth (i	nches).	1000					Hydric Soil Prese	nt? Yes 🔨 No
Demorke:					-			
Wetland H	ydrology Indicato	ors:						
Primary Ind	licators (minimum	of one requir	ed; check all that app	iy)	(50) (	-	Secondary I	ndicators (2 or more required)
Surface	e Water (A1)		Water-Sta	ained Leav	es (B9) (e	xcept	vvater-S	tained Leaves (B9) (MLRA 1, 2,
High W	/ater Table (A2)		MLRA	1, 2, 4A, a	and 4B)		4A, a	Ind 4B)
X Saturat	tion (A3)		Sait Crus	(BTT)	o (P12)		Drainag	e Patterns (B10)
vvater i	Marks (B1)		Aquatic II	Sulfide O	dor(C1)		Dry-Sea	son Water Table (C2)
Seaime	ent Deposits (B2)			Dhizosobo		Living Root		whice Residion (D2)
	eposits (B3)		Oxidized	of Reduce	ed Iron (C4		Shallow	Aquitard (D3)
Algal IV	nat of Clust (D4)		Recent In	on Reducti	on in Tille	n d Soils (C6)	EAC-Ne	utral Test (D5)
IIUII De	-pusits (BS) a Soil Cracks (B6)		Necchi in	r Stressed	Plants (D	1) (LRR A)	Raised	Ant Mounds (D6) (LRP A)
	tion Visible on Aer	ial Imagery (	B7) Other (Fx	plain in Re	marks)	, ( <b>_</b> , <b>(</b> , <b>, , )</b>	Erost-He	eave Hummocks (D7)
Inunua Snarse	ly Vegetated Con	cave Surface	(B8)	piani ni i c	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Opuise	rvations:		(20)		-	-		
Field Ohse	a vaciona.	Ves		ches):				
Field Obse	ater Present?		No Dopth (ir	ches):	9	_		
Field Obse Surface Wa	ater Present?	Yes X			1	-		14
Field Obse Surface Wa Water Table	ater Present? e Present? Present?	Yes X	No Depth (ir	ches).	0	Wetla	nd Hydrology Pres	ant? Yos X No
Field Obse Surface Wa Water Table Saturation I (includes ca	ater Present? e Present? Present? apillary fringe)	Yes <u>X</u> Yes <u>K</u>	No Depth (ir	iches):	6	_ Wetla	nd Hydrology Pres	ent? Yes <u> / No</u>
Field Obse Surface Wa Water Table Saturation F (includes ca Describe Re	ater Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes X Yes X eam gauge, n	No Depth (ir	nches): photos, pr	evious ins	pections), i	nd Hydrology Pres f available:	ent? Yes_X_ No
Field Obse Surface Wa Water Table Saturation I (includes ca Describe Re	ater Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes X Yes K eam gauge, n	No Depth (ir nonitoring well, aerial	nches): photos, pr	evious ins	_ Wetla pections), i	nd Hydrology Pres f available:	ent? Yes_X_ No
Field Obse Surface Wa Water Table Saturation I (includes ca Describe Re Remarks:	ater Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes X Yes K eam gauge, n	No Depth (ir No Depth (ir nonitoring well, aerial	nches): photos, pr	evious ins	Wetla	nd Hydrology Pres f available:	ent? Yes No
Field Obse Surface Wa Water Table Saturation I (includes ca Describe Ro Remarks:	tter Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes X Yes K eam gauge, n	No Depth (ir No Depth (ir nonitoring well, aerial	nches):	Co evious ins	Wetla	nd Hydrology Pres	ent? Yes_X No
Field Obse Surface Wa Water Table Saturation I (includes ca Describe Re Remarks:	tter Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes X Yes K	No Depth (ir No Depth (ir nonitoring well, aerial	nches): photos, pr	evious ins	Wetla pections), i	nd Hydrology Pres	ent? Yes_X_ No
Field Obse Surface Wa Water Table Saturation F (includes ca Describe Re Remarks:	tter Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes X Yes K	No Depth (in nonitoring well, aerial	nches): photos, pr	evious ins	<b>Wetla</b> pections), i	nd Hydrology Pres	ent? Yes_ <u>X_</u> No
Field Obse Surface Wa Saturation I (includes ca Describe Ro Remarks:	tter Present? e Present? Present? apillary fringe) ecorded Data (stre	Yes <u>X</u> Yes <u>K</u>	No Depth (ir No Depth (ir nonitoring well, aerial	nches):	evious ins	Wetla	nd Hydrology Pres	ent? Yes No

WETLAND DETERMINATION DA	ATA FORM –	Western Mou	ntains, Valleys, a	nd Coast Region	
Project/Site: WESTPORT light SP.	City/	County: Uls	t Port	Sampling Date: 3-30	-2
Applicant/Owner: Statz Rask			State:	Sampling Point: SP- A	2
nvestigator(s): P. Hamidi	Sect	tion, Township, Rai	nge:		0
andform (hillslope, terrace, etc.):	Loc	al relief (concave, o	convex, none): <u>Con</u>	Vex Slope (%): 2	2
Subregion (LRR):	Lat:		Long:	Datum:	
Soil Map Unit Name: DUNE Land			NWI class	ification: UPland	-
Are climatic / hydrologic conditions on the site typical for th	is time of year?	Yes X No	(If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly distu	Irbed? Are "	Normal Circumstances	" present? Yes <u>X</u> No _	
Are Vegetation, Soil, or Hydrology	naturally problem	natic? (If ne	eded, explain any answ	wers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point lo	ocations, transec	ts, important features, e	etc.
Hydrophytic Vegetation Present? Yes X 1	No	1. 12 9.20			
Hydric Soil Present? Yes M	No X_	Is the Sampled	Area d2 Yes	No K	Ξ.
Wetland Hydrology Present? Yes I	Vo <u>R</u>	Within a Wetlan			_
Remarks:					
P10605 876-879					
VEGETATION – Use scientific names of plan	nts.				
7.0'	Absolute Do	minant Indicator	Dominance Test wo	rksheet:	
Tree Stratum (Plot size: _30)	% Cover Sp	V EAC	Number of Dominant	Species Z (A	3
2		4 - 100	That Ale OBL, FACE		,
3.			Total Number of Dom Species Across All S	hinant 4 (B	5)
4			Demont of Dominant		
15'	<u>50</u> =T	otal Cover	That Are OBL, FACV	V, or FAC: (A	VB)
Sapling/Shrub Stratum (Plot size:)	15 1	V FACU	Prevalence Index w	orksheet:	
CUTISUS SCOPAYIUS	- 3-	N WPL	Total % Cover of	E Multiply by:	
3 morelly californica		FACW	OBL species	$\frac{20}{3}$ x1= $\frac{20}{4}$	
4.		1 m 1 1 1 1 1	FACW species	$\frac{1}{50}$ x2= $\frac{1}{150}$	
5			FACU species	8 x4= 72	
5'	<u>25</u> =T	otal Cover	UPL species	5 x5= 25	
Herb Stratum (Plot size:	20	Y OBL	Column Totals:	16 (A) 273 (A)	B)
2 Polystichim munitum	3	FACU	Prevalence Inde	AV = B/A = 2.84	
3.		1.14	Hydrophytic Vegeta	tion Indicators:	
4		1 10	1 - Rapid Test fo	r Hydrophytic Vegetation	
5			2 - Dominance T	est is >50%	
6			X 3 - Prevalence Ir	ndex is $\leq 3.0^1$	
7			4 - Morphologica	I Adaptations <sup>1</sup> (Provide support	ing
8			5 - Wetland Non-	-Vascular Plants <sup>1</sup>	
9			Problematic Hyd	rophytic Vegetation <sup>1</sup> (Explain)	
11			<sup>1</sup> Indicators of hydric s	soil and wetland hydrology must	t
	23 = TO	otal Cover	be present, unless di	sturbed or problematic.	
Woody Vine Stratum (Plot size: 15')					
1			Hydrophytic	A.	
2	0		Present?	Yes / No	
% Bare Ground in Herb Stratum	=10	Jai Cover			
Remarks:					
		2			
			11 m		

US Army Corps of Engineers

SOIL

Sampling Point: SPAZ

Depth	Matrix			Redox	Features	3			
(inches)	Color (moist)	%	Color (	moist)	_%	Type <sup>1</sup>	_Loc <sup>2</sup>		Remarks
1-0						_		Duff	
0-8	2.54 4/2	No	-		-	-	-	LFS	
8-18	2,54 4/2	95	2.54	14/3	5	C	M	LES	A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACTOR A CONTRACT
	0.09 11			-11-2					
	1		-						
			• ()	100					The second se
						-			
		_			_				
Type: C=Co	oncentration, D=D	epletion, RI	M=Reduced	Matrix, CS	=Covered	or Coate	d Sand Gra	ains. <sup>2</sup> L	ocation: PL=Pore Lining, M=Matrix.
ayaric Soli I	Indicators: (App	licable to a	II LRRS, un	less other	wise note	ed.)		Indica	itors for Problematic Hydric Soils":
HISLOSOI Histic Er	(A1) Dipedon (A2)		Sand	y Redox (S	5)			- <sup>2</sup>	cm Muck (A10)
Black Hi	stic (A3)		Suipp	v Mucky M	ineral (F1	) (excent	MIRA 1)	— ~ ~	eu Parent Material (TF2) erv Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loam	v Gleved N	Aatrix (F2	)			ther (Explain in Remarks)
_ Depleter	d Below Dark Sur	ace (A11)	Deple	eted Matrix	(F3)			_ •	······································
Thick Da	ark Surface (A12)		Redo	x Dark Sur	face (F6)			<sup>3</sup> Indica	tors of hydrophytic vegetation and
Sandy M	Aucky Mineral (S1	)	Deple	eted Dark S	Surface (F	7)		wei	land hydrology must be present,
Sandy G	eleyed Matrix (S4)		Redo	x Depressi	ons (F8)			unl	ess disturbed or problematic.
Tune	Layer (if present)	•					1.1		
Donth (in	abaa);						1		
Depui (in	cnes).	1		Estable.		Sec. 1	Sec. 1	Hydric Sc	NO VS
YDROLO	DGY								
YDROLO Wetland Hy	DGY rdrology Indicato	rs:							
YDROLO Wetland Hy Primary Indi	DGY Idrology Indicato cators (minimum	rs: of one requi	ired: check a	II that apply	)			<u>Sec</u>	ondary Indicators (2 or more required)
YDROLO Wetland Hy Primary Indi Surface	DGY rdrology Indicato cators (minimum Water (A1)	rs: of one requi	ired: check a	II that apply Water-Stain	ned Leave	es (B9) (e	xcept	<u>Sec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
IYDROLC Wetland Hy Primary Indi Surface High Wa	DGY rdrology Indicato cators (minimum Water (A1) ater Table (A2)	rs: of one requ	ired: check a	II that apply Water-Stain MLRA 1	() ned Leave	es (B9) (e and 4B)	xcept	<u>Sec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROLC Wetland Hy Primary Indi Surface High Wa High Wa	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Kate (D4)	rs: of one requi	ired: check a	II that apply Water-Stain MLRA 1 Salt Crust (	r) ned Leavo I <b>, 2, 4A</b> , a (B11)	es (B9) (e and 4B)	xcept	<u>Sec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
YDROLC Wetland Hy Primary Indii Surface High Wa Saturati Water M	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)	rs: of one requi	ired: check a	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv	r) ned Leave I, 2, 4A, a (B11) rertebrate	es (B9) (e and 4B) s (B13)	xcept	<u>Sec</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	rs: of one requi	ired: check a	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R	r) ned Leavu I, 2, 4A, a (B11) rertebrate Sulfide Oc	es (B9) (e and 4B) s (B13) dor (C1) res along	xcept	<u>Sec</u>	ondary 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 Coomorphic Registrice (D2)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Mi	DGY rdrology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	rs: of one requi	red: check a	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence c	ned Leave I, 2, 4A, a (B11) vertebrate Sulfide Oc hizosphe of Reduce	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4	xcept	<u>Sec</u>	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron Der	DGY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	rs: of one requi	red: check a	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror	ned Leavo I, 2, 4A, a (B11) ertebrate Sulfide Oc hizosphe of Reduce n Reducti	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille	xcept Living Root 4) d Soils (C6)	<u>Sec</u> 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Surface	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	rs: of one requi	red: check a	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Stunted or	ned Leave <b>1, 2, 4A</b> , a (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	xcept Living Root 4) d Soils (C6) 1) (LRR A)	<u>Sec</u> 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRB A)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Vater M Sedime Drift De Algal Ma Iron Deg Surface Inundati	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer	rs: of one requi	ired: check a	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp	ned Leave I, 2, 4A, a (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Surface Inundati Sparsel	DGY rdrology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc	rs: of one requi	(B7) (B8)	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Stunted or Other (Exp	ned Leave I, 2, 4A, a (B11) vertebrate Sulfide Oc hizosphe of Reduce of Reduce of Reduce Stressed lain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	<u>Sec</u> 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Vater M Sedime Drift De Algal Ma Iron De Surface Inundati Sparsel Field Obser	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Cond vations:	rs: of one requi	(B7)	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence c Recent Iror Stunted or Other (Exp	ned Leavo I, 2, 4A, a (B11) ertebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron Dep Surface Inundati Sparsel Field Obser Surface Wat	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc vations: ater Present?	rs: of one requi al Imagery ave Surface Yes	(B7) (B7) (B8)	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc	n) ned Leave (B12, 2, 4A, a (B11) ertebrate Sulfide Oc hizosphe of Reduce n Reductio Stressed lain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLC Wetland Hy Primary Indi Surface High Wi Saturati Vater M Sedime Drift De Algal Mi Iron De Surface Inundati Sparsel Field Obser Surface Wat	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerry y Vegetated Conc vations: ter Present?	rs: of one requi al Imagery ave Surface Yes Yes	(B7) (B7) (B7) (B7) (B7) (B7) (B7) (B7)	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc Depth (inc	ned Leave , 2, 4A, a (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re thes): thes):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Wate Vater Table Saturation P	DGY rdrology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc vations: ter Present? Present? Present?	rs: of one requi al Imagery ave Surface Yes Yes Yes	(B7) (B7) (B7) (B7) (B7) No X No X	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc	ned Leave <b>1, 2, 4A,</b> a (B11) vertebrate Sulfide Oc hizosphe of Reduce of Reduce of Reduce of Reduce stressed lain in Re ches): ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal Ma Iron Deg Surface Inundati Sparsel: Field Obser Surface Water Surface Water Saturation P Cincludes can Describe Re	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc vations: ter Present? Present? pillary fringe) icorded Data (stree	rs: of one requi al Imagery ave Surface Yes Yes Yes am gauge,	(B7) (B7) a (B8) No No No No	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc rell, aerial p	() ned Leave <b>1, 2, 4A, a</b> (B11) retebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re thes): thes): thes): thes):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift Deg Algal Ma Iron Deg Surface Inundati Sparsel Field Obser Surface Water Surface Water Vater Table Saturation P (includes caj Describe Re	DGY drology Indicator cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc vations: ter Present? Present? present? present? pillary fringe) corded Data (stree	rs: of one requi al Imagery ave Surface Yes Yes Yes am gauge,	(B7) (B7) (B8) No No No No No	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc Depth (inc Depth (inc Depth (inc	ned Leave , 2, 4A, a (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re thes): thes): thes): thes): thes):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A) 	Sec 	ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De, Algal Ma Iron Dep Surface Inundati Sparsely Field Obser Surface Water Table Saturation P (includes ca Describe Re	DGY rdrology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc vations: ter Present? Present? pillary fringe) corded Data (stree	rs: of one requi al Imagery ave Surface Yes Yes Yes am gauge,	(B7) (B7) a (B8) No No No No Mo	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc Depth (inc vell, aerial p	r) med Leave <b>1, 2, 4A, a</b> (B11) vertebrate Sulfide Oc hizosphe of Reduce of Reduce of Reduce thessis	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A)  Wetla spections), i	Sec 	ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal Ma Iron Dep Surface Inundati Sparsel Field Obser Surface Water Table Saturation P (includes ca) Describe Re	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerry y Vegetated Concervations: ter Present? Present? pillary fringe) corded Data (streen)	rs: of one requi al Imagery ave Surface Yes Yes Yes am gauge,	(B7) (B7) a (B8) No No No No	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc rell, aerial p	ned Leave 1, 2, 4A, a (B11) rertebrate Sulfide Oc hizosphe of Reduce n Reduction Stressed lain in Re- thes): thes): thes): thotos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A) 	Sec 	Ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLC Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal Ma Iron Deg Surface Inundati Sparsel Field Obser Surface Water Table Saturation P (includes ca Describe Re	DGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerry y Vegetated Cond vations: ter Present? Present? pillary fringe) coorded Data (stree	rs: of one requi al Imagery ave Surface Yes Yes Yes am gauge,	(B7) (B7) (B7) (B7) No (B8) No No X Mo X Mo X Mo X Mo X	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence of Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc rell, aerial p	() ned Leave <b>J</b> , <b>2</b> , <b>4A</b> , a (B11) retebrate Sulfide Oc hizosphe of Reducet n Reducti Stressed lain in Re thes): thes): thes): thes):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A) Wetla spections), i	Sec 	ondary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
IYDROLC Wetland Hy Primary Indi Surface High Wa Saturati Vater N Sedime Drift De Drift De Algal Ma Surface Iron Dep Algal Ma Surface Iron Dep Surface Inundati Sparsely Field Obser Surface Water Yater Table Saturation P (includes caj Describe Ree Remarks:	OGY drology Indicato cators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aer y Vegetated Conc vations: ter Present? Present? pillary fringe) corded Data (stree	rs: of one requi al Imagery ave Surface Yes Yes Yes am gauge,	(B7) (B7) (B8) No No No No monitoring w	II that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence o Recent Iror Stunted or Other (Exp Depth (inc Depth (inc Depth (inc Depth (inc vell, aerial p	() ned Leave (B11) retebrate Sulfide Oc hizosphe of Reduce n Reducti Stressed lain in Re thes): thes): thes): thotos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A) 	Sec 	Ondary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/site: WEStPOKE 1'start St	) Citv/	County: W25	+Post	_ Sampling Date: 3-31-21
Applicant/Owner: State Park			State: 15A	Sampling Point: 5P-A3
nvestigator(s): P. Hamidi	Sec	tion, Township, Ra	nge:	
andform (hillslope terrace etc): IN for durg	1 100	al relief (concave,	convex. none):	Oaur Slope (%): 1
Subregion (I BP):	1 at:		Long:	Datum: 1
Soil Man Linit Marray Drive Land	Lai		_ Long	ication: PEMIC/PSS
		Ver of No.		Remarks )
Are climatic / hydrologic conditions on the site typical for the	his time of year?	Yes X NO		Arenants You X No
Are Vegetation, Soil, or Hydrology	significantly distu	irbed? Are	Normal Circumstances	present? res <u>r</u> no
Are Vegetation, Soil, or Hydrology	naturally problem	natic? (If ne	eeded, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	o showing sa	mpling point l	ocations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes 🗴 Hydric Soil Present? Yes 🔟	No No	Is the Sampled within a Wetlar	I Area nd? Yes <u>X</u>	C No
Remarks: O	NO		and the second second second	
Photos 895-898	method	LA Ess	t brory	
VEGETATION – Use scientific names of pla	ints.			
Tree Stratum (Plot size: 30')	Absolute Do % Cover Sp	minant Indicator ecies? Status	Dominance Test wor	KSNEEL: Species ()
1. PINUS CONTOTES	25	1 FAC	That Are OBL, FACW	, or FAC: <u> </u>
2		<u> </u>	Total Number of Domi	inant V
3		in the second	Species Across All Str	rata: (B)
4		and a started	Percent of Dominant	Species
a 151	- <u>25</u> =T	otal Cover	That Are OBL, FACW	, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)	15	4 FAr	Prevalence Index wo	orksheet:
2 M. Cripture Devilitelium		TACU	Total % Cover of:	Multiply by:
2 Solid bookinger	10	V FACIL	OBL species	x 1 =
A Alnus rubra		FAL	FACW species	x 2 =
5.			FAC species	x 3 =
· · · /	<u>28</u> =T	otal Cover	FACU species	X4 =
Herb Stratum (Plot size:)	20	1 021	Column Totals:	X 5 = (P)
1. CONEX Oboupton		1 000		(A) (B)
2. Nexonich Scutzlian			Prevalence Inde	x = B/A =
3			Hydrophytic Vegetat	ion Indicators:
4			L 1 - Rapid Test for	Hydrophytic Vegetation
5			1 2 - Dominance Te	est is >50%
o			3 - Prevalence inc	Adaptations <sup>1</sup> (Provide supporting
8			data in Remark	ks or on a separate sheet)
9			5 - Wetland Non-V	Vascular Plants <sup>1</sup>
10.			Problematic Hydro	ophytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric so	bil and wetland hydrology must
171	25 = TO	tal Cover	be present, unless dis	turbed or problematic.
Woody Vine Stratum (Plot size: 1)	2	EAC		
1. KUDOS ULSINUS			Hydrophytic	J
2	7		Present? Y	es 🚺 No
% Bare Ground in Herb Stratum5		tai Cover		
Remarks:				
moss Lichan			8	
,				
4				

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### SOIL

Sampling Point: SP-A3

Profile Description: (Describe to th	a dopth peeded to document the indicator or confirm	Sampling Point. $\underline{-1, 1}$
Profile Description: (Describe to the	Bodoy Eastures	in the absence of indicators.)
(inches) Color (moist) 9	Color (moist)%Type <sup>1</sup> Loc <sup>2</sup>	Remarks
2-0		Littler
0.5 7513/1 11	20	IES
<u> </u>	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
570 254 4/1 9	1 651 413 3 E M	<u>LF3</u>
10-18 41544/2 8	5 104R516 15 C M	LPS
•		
	the second s	
<sup>1</sup> Type: C=Concentration, D=Depletion	I, RM=Reduced Matrix, CS=Covered or Coated Sand G	rains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable	to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	X 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 (A1	1) Depleted Matrix (F3)	3 adjusters of hudson hudio up antalise and
Thick Dark Surface (A12)		undicators of hydrophytic vegetation and
Sandy Gleved Matrix (S4)	Bedox Depressions (E8)	unless disturbed or problematic
Restrictive Laver (if present):		
Type:		
Denth (inches):		Hydric Soil Present? Yes X No
Deput (inclies).		Hydric Son Presentry Tes NO
Remarks.		
a start and a second	Same in the	and the second shares the second
HYDROLOGY		
Wetland Hydrology Indicators:		
Primary Indicators (minimum of one r	equired; check all that apply)	Secondary Indicators (2 or more required)
N Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1.2
X High Water Table (A2)	MLRA 1. 2. 4A, and 4B)	Water-Stained Leaves (D3) (MERA 1, 2,
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Water Marks (B1)	Aquatic Invertebrates (B13)	Drv-Season Water Table (C2)
Sediment Denosits (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizospheres along Living Roc	ots (C3) $\bigvee$ 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	Baised Ant Mounds (D6) (I RR A)
Inundation Visible on Aerial Imag	erv (B7) Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Su	rface (B8)	
Field Observations'		
Surface Water Dresent? Voc	X No Depth (inches): 2	
Water Table Propert?	No Depth (inches): Surface	
Vvaler Table Present? Yes_	K No Donth (inches): Subject Man	
Saturation Present? Yes _ (includes capillary fringe)	wet	
Describe Recorded Data (stream gau	ge, monitoring well, aerial photos, previous inspections),	if available:

Remarks:

WETLAND DETERMINATION DAT	A FORM –	Western Mou	ntains, Valleys, and Coast Region
Project/Site: Wastport lisht Sp	City/	County: _ West	Sampling Date: 3-3-4
Applicant/Owner: State Park			State: Sampling Point:
Investigator(s): Pr Kamidi	Sect	ion, Township, Rai	nge:
Landform (hillslope, terrace, etc.): interdung	Loc	al relief (concave, o	convex, none): Contract Slope (%): 2
Subregion (LRR):	Lat:		Long: Datum:
Soil Map Unit Name: DUNE Land			NWI classification: UPland
Are climatic / hydrologic conditions on the site typical for this t	time of year?	Yes X No	(If no, explain in Remarks.)
Are Venetation Soil or Hydrology sig	inificantly dist	rbed? Are "	Normal Circumstances" present? Yes X No
Are Vegetation Soil or Hydrology na	turally problem	notic? (If ne	eded explain any answers in Remarks.)
	turally problem		
SUMMARY OF FINDINGS – Attach site map s	howing sa	npling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	X	Is the Sampled within a Wetlan	Area nd? Yes No_ <u>X</u>
Remarks:		1	
Photos 899-902			And Market and
VEGETATION – Use scientific names of plants	s.		
Tree Stratum (Plot size: 30')	Absolute Do % Cover Sp	minant Indicator	Dominance Test worksheet:
1. PINUS CONTORTA	50	V FAC	That Are OBL, FACW, or FAC:
2.		7	Total Number of Dominant 7
3			Species Across All Strata: (B)
4			Percent of Dominant Species
1C'	50 =T	otal Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 15	3	UPL	Prevalence Index worksheet:
2 VECCINIUM OVATUM	3	FACU	Total % Cover of:Multiply by:
3 Arctostaphybs UUG-Ursi	20 1	1 UPL	OBL species x 1 =
4.			FACW species x 2 =
5		<u> </u>	FAC species x 3 =
~/	26 =T	otal Cover	
Herb Stratum (Plot size:)	5	FACI	Column Totals: $(A)$
1. Goodyprg Oblong Horry	15 -	Y DRI	
2. (442× 0500pts	<u> </u>	000	Prevalence Index = B/A =
3			Hydrophytic Vegetation Indicators:
4			1 - Rapid Test for Hydrophytic Vegetation
5	-		2 - Dominance Test is >50%
7		-	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.		20	data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants <sup>1</sup>
10			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
(Dista)	20 = To	tal Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)		1.	
1			Hydrophytic Vegetation
2	= To	tal Cover	Present? Yes <u>K</u> No
% Bare Ground in Herb Stratum			з
Remarks:			
70% moss			

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### SOIL

Sampling Point: SP-A4

<b>Profile Desc</b>	ription: (Descri	be to the dep	th needed to docu	ment the i	ndicator	or confirm	the absence of	of indicators.)	
Depth	Matrix	K	Redo	x Features	s				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks	
1/2-0							Utter.		
0-9	104R41	2 100		~	-	-	LFS.		
9-18	2,54 41	2 93	10424/4	7	C	M	VFS_		
							and the second		
			14			7.2.5			
				-					
					·				
			and the second second					and the second second	
<sup>1</sup> Type: C=C	oncentration, D=D	Depletion, RM:	Reduced Matrix, C	S=Covered	d or Coate	ed Sand Gra	ains. <sup>2</sup> Loca	ation: PL=Pore Lining, M=Matr	ix.
Hydric Soil	Indicators: (App	plicable to all	LRRs, unless othe	rwise not	ed.)		Indicator	s for Problematic Hydric Soil	s³:
Histosol	(A1)		Sandy Redox (	S5)			2 cm	Muck (A10)	
Histic E	oipedon (A2)		Stripped Matrix	(S6)			Red I	Parent Material (TF2)	
Black H	istic (A3)		Loamy Mucky	Mineral (F	1) (excep	t MLRA 1)	Very	Shallow Dark Surface (TF12)	
Hydroge	en Sulfide (A4)		Loamy Gleyed	Matrix (F2	2)		Other	r (Explain in Remarks)	
Deplete	d Below Dark Sur	tace (A11)	Depleted Matri	x (F3)			3		
Thick D	ark Surface (A12)	0	Redox Dark Su	inface (F6)	-70		Indicator	s or nydropnytic vegetation and	
Sandy M	Aucky Mineral (S	1)	Depleted Dark	Surface (F	-7)		wetian	d nydrology must be present,	
Sandy C	Sleyed Matrix (S4	·)	Redox Depres	sions (F8)			uniess	disturbed of problematic.	
Type	Layer (il present	.y.					1.1.1		
Depth (in	ches).		100				Hydric Soil P	Present? Yes No	Æ
Deput (in	iciles)			-		12.53	Ingane con r		R-
Remarks.									
al analysis	1	1.	Contraction of the second				'		
1.11			-					and the second sec	1.001
								a provide the second second	
HYDROLC	DGY							19 20 Sec. 2	
Wetland Hy	drology Indicate	ors:							100
Primary Indi	cators (minimum	of one require	d; check all that app	ly)			Second	lary Indicators (2 or more requi	red)
Surface	Water (A1)	A. The second	Water-Sta	ained Leav	es (B9) (e	except	Wa	ater-Stained Leaves (B9) (MLR	A 1, 2,
High Wa	ater Table (A2)		MLRA	1, 2, 4A, a	and 4B)			4A, and 4B)	
Saturati	on (A3)		Salt Crus	t (B11)			Dra	ainage Patterns (B10)	
Water M	Aarks (B1)		Aquatic Ir	vertebrate	es (B13)		Dr	y-Season Water Table (C2)	
Sedime	nt Deposits (B2)		Hydrogen	Sulfide O	dor (C1)		Sa	turation Visible on Aerial Image	ery (C9)
Drift De	posits (B3)		Oxidized	Rhizosphe	eres along	Living Root	ts (C3) Ge	eomorphic Position (D2)	
Algal M	at or Crust (B4)		Presence	of Reduce	ed Iron (C	4)	Sh	allow Aquitard (D3)	
Iron De	posits (B5)		Recent In	on Reducti	ion in Tille	ed Soils (C6)	) FA	C-Neutral Test (D5)	
Surface	Soil Cracks (B6)		Stunted o	r Stressed	l Plants (D	01) (LRR A)	Ra	ised Ant Mounds (D6) (LRR A)	
Inundat	ion Visible on Aer	ial Imagery (B	7) Other (Ex	plain in Re	emarks)		Fro	ost-Heave Hummocks (D7)	
Sparsel	y Vegetated Cond	cave Surface (	(B8)					1990 - S.	
Field Obser	vations:					1		a second s	
Surface Wat	ter Present?	Yes	No Depth (ir	nches):		_			
Water Table	Present?	Yes	No K Depth (ir	nches):	1				
Saturation F	Present?	Yes	No K Depth (ir	nches):		Wetla	and Hydrology	Present? Yes No	$\times$
(includes ca	pillary fringe)		anitaring wall parial	nhotos n	ovious in	enections) i	if available:		
Describe Re	corded Data (stre	ani yauge, m	unitoring well, aerial	prioros, pi	CVIOUS III	spections), I	available.		
Domostro									
Remarks:									

oject/Site: WestPort lisht SP.	City/County: W2	St PORT Sampling Date: 5-51-2
pplicant/Owner: State Payle		State: Sampling Point:
vestigator(s): P. Hamidi	Section, Township, I	Range:
andform (hillslope, terrace, etc.): Interdung	Local relief (concav	e, convex, none): Slope (%):
ubregion (LRR):	Lat:	Long:Datum:
Dil Map Unit Name: DUN= Land		NWI classification:
e climatic / hydrologic conditions on the site typical for	this time of year? Yes X No	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology	significantly disturbed? Ar	e "Normal Circumstances" present? Yes X No
e Vegetation, Soil, or Hydrology	_ naturally problematic? (If	needed, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site ma	n showing sampling noin	t locations, transects, important features, et
DMMART OF FINDINGS - Attach site ma	p snowing sampling point	
hydrophytic Vegetation Present? Yes X	No Is the Sampl	ed Area
Vetland Hydrology Present? Yes	No within a Wet	land? Yes <u>X</u> No
Remarks:		
Photos 908-910	instand & E	Egst Broky
		e
EGETATION – Use scientific names of pl	ants.	한 방법 등 이번 것이 것 같은 것 같은 것이다.
20/	Absolute Dominant Indicato	Dominance Test worksheet:
Poulé (Plot size:)	So V LA	Number of Dominant Species Z (A)
11103 Contolly		
		Total Number of Dominant     Species Across All Strata:     C     (B)
	50 = Total Cover	That Are OBL, FACW, or FAC: /00 (A/E
apling/Shrub Stratum (Plot size: 10)	> KAC	Prevalence Index worksheet:
Lonicera monorarg	FAL	Total % Cover of: Multiply by:
Therefy Call for here	<u></u>	OBL species x 1 =
		FACW species x 2 =
		FAC species x 3 =
<u></u>	= Total Cover	FACU species x 4 =
erb Stratum (Plot size:)	70 11 001	UPL species X 5 =
Caret Obnu ptg	- <u>10</u> - 1 00L	
	_ <u> </u>	Prevalence Index = B/A =
		Hydrophytic Vegetation Indicators:
•		_ 1 - Rapid Test for Hydrophytic Vegetation
		3 - Prevalence Index is < 3.01
		4 - Morphological Adaptations <sup>1</sup> (Provide supportin
		data in Remarks or on a separate sheet)
		5 - Wetland Non-Vascular Plants <sup>1</sup>
0		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Mandu Mine Stratum (Plataine) /C	= Total Cover	
Rubus UNSINCE	1 FACL	
		Vegetation
	= Total Cover	Present? Yes X No
% Bare Ground in Herb Stratum	···	Design of the second

C	2	ı	I	
3	U	l	L	-

Sampling Point: SP-A5

	iption. (Describe	to the dep	Still Heeded to docui	nem une m	dicator	or commit	the absence	of indicators.)
Depth	Matrix		Redo	x Features	- 1		_	
(inches)	Color (moist)	%	Color (moist)		Type'	Loc	Texture	Remarks
1-0					_		Liffer	
0-4	2.54411	100		_			LFS	
4-16	2.54 411	97	2544/3	3	C	M	LFS	
						-		
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, CS	S=Covered	or Coate	d Sand Gr	ains. <sup>2</sup> Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all	LRRs, unless other	rwise note	d.)		Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		X Sandy Redox (	S5)			_ 20	m Muck (A10)
Histic Ep	pipedon (A2)		Stripped Matrix	(S6)			Re	d Parent Material (TF2)
Black Hi	istic (A3)		Loamy Mucky Mucky	Mineral (F1)	) (except	MLRA 1)	Ve	ry Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleyed	Matrix (F2)			Ot	ner (Explain in Remarks)
Depleted	a Below Dark Surfac	e (A11)	Depleted Matrix	(F3)			31-11-1	ore of hydrophytic vegetation and
INICK Da	Aucky Mineral (S1)		Redox Dark Su	nace (F6) Surface (F5	7)		Indicat	and bydrology must be present
Sandy N	Gleved Matrix (S4)		Redox Depress	sions (F8)	()		unle	ss disturbed or problematic
Restrictive	Layer (if present):							
Type:	4						1.64	1
Depth (in	iches):						Hydric Soi	Present? Yes X No
Remarks:	THE REPORT			-			1	
		4. 7						M. Sarahar
HYDROLC							110	
	DGY							Sec. Sec.
Wetland Hy	OGY vdrology Indicators							
Wetland Hy Primary Indi	OGY vdrology Indicators icators (minimum of e	: one require	ed; check all that app	ly)			<u>Secc</u>	ondary Indicators (2 or more required)
Wetland Hy Primary Indi Surface	DGY rdrology Indicators icators (minimum of r Water (A1)	: one requir	ed; check all that app Water-Sta	ly) iined Leave	es (B9) (e	xcept	<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hy Primary Indi Surface High Wa	DGY vdrology Indicators icators (minimum of v Water (A1) ater Table (A2)	: one requir	ed; check all that app Water-Sta MLRA	ly) hined Leave 1, 2, 4A, a	es (B9) (e nd 4B)	xcept	<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hy Primary Indi Surface High Wa Saturati	ydrology Indicators icators (minimum of a Water (A1) ater Table (A2) ion (A3)	: one requir	ed; check all that app Water-Sta MLRA Salt Crust	ly) iined Leave 1, 2, 4A, a : (B11)	es (B9) (e nd 4B)	xcept	<u>Secc</u>	Andary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Wetland Hy Primary Indi Surface High Water M October	DGY rdrology Indicators icators (minimum of Water (A1) ater Table (A2) ion (A3) Marks (B1) rd Descrite (B2)	: one requir	ed; check all that app Water-Sta MLRA Salt Crust Aquatic In	ly) ined Leave 1, 2, 4A, a (B11) wertebrates	es (B9) (e nd 4B) s (B13)	xcept	<u>Secc</u>	Andary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedime	Adrology Indicators icators (minimum of r Water (A1) ater Table (A2) ion (A3) Marks (B1) int Deposits (B2) posite (B2)	: one requir	ed; check all that app Water-Sta MLRA Salt Crust Aquatic Ir Hydrogen Ovidized	ly) ined Leave 1, 2, 4A, a (B11) ivertebrates Sulfide Od	es (B9) (e nd 4B) s (B13) lor (C1)	xcept	<u>Secc</u>	Andary 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)
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Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedime Drift De Algal Ma Iron De Surface Inundati Sparsel Field Obser Surface Wate Vater Table Saturation P (includes ca Describe Re Remarks:	DGY drology Indicators icators (minimum of r Water (A1) ater Table (A2) ion (A3) Marks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial ly Vegetated Concav rvations: ter Present? Present? Present? pillary fringe) ecorded Data (stream	Imagery (I re Surface res res res ra gauge, n	ed; check all that app Water-Sta MLRA Salt Crust Aquatic Irr Hydrogen Oxidized I Presence Recent Irr Stunted o B7) Other (Ex (B8) No <u>C</u> Depth (ir No Depth (ir No Depth (ir nonitoring well, aerial	ly) ined Leave 1, 2, 4A, a (B11) ivertebrates Sulfide Od Rhizospher of Reduce on Reduction r Stressed plain in Reduction r Stressed plain in Reduction nches): nches): photos, preduction	es (B9) (e nd 4B) s (B13) lor (C1) res along d Iron (C4 on in Tille Plants (D marks)	xcept Living Roc 4) d Soils (C6 1) (LRR A 	Secc '  ots (C3)  b)  and Hydrolo if available:	Andary 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) 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 Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal Ma Iron De Surface Inundati Sparsel Field Obser Surface Wate Vater Table Saturation P (includes ca Describe Re Remarks:	DGY rdrology Indicators icators (minimum of r Water (A1) ater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3) at or Crust (B4) posits (B5) e Soil Cracks (B6) ion Visible on Aerial ty Vegetated Concav rvations: ter Present? Present? pillary fringe) accorded Data (stream	Imagery (l re Surface res X res X n gauge, n	ed; check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Ind Stunted o B7) Other (Ex (B8) No X Depth (in No Depth (in nonitoring well, aerial	ly) ined Leave 1, 2, 4A, a (B11) ivertebrates Sulfide Od Rhizospher of Reduces on Reduction r Stressed plain in Res inches): photos, pre	es (B9) (e nd 4B) s (B13) lor (C1) es along d Iron (C4 on in Tille Plants (D marks) 2 cface evious ins	xcept Living Roc 4) d Soils (C6 1) (LRR A 	Secc ' 	andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA	FORM -	Wester	n Moun	tains, Valleys, and Coast Region
Project/Site: WestPoxt Light S.P.	Citv/	County:	West	Port Sampling Date: 3-31-21
Applicant/Owner: Start 2 Park	Only,	oounij		State: UA Sampling Point: SP-Ala
Investigator(s): R. Hamidi	Sect	tion, Towns	ship, Ran	ge:
Landform (hillslope, terrace, etc.): INterdung	Loc	al relief (co	oncave, c	onvex, none): <u>Convex</u> Slope (%): <u>2</u>
Subregion (LRR):	t:			Long: Datum:
Soil Map Unit Name: DUN2 Land	1.00		and the	NWI classification: DP auch
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes 🖌	_ No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signific	antly distu	urbed?	Are "N	Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology natura	lly problem	natic?	(If nee	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map show	wing sam	mpling p	point lo	cations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes NoX         Hydric Soil Present?       Yes NoX         Wetland Hydrology Present?       Yes NoX         Remarks:       4		Is the S within a	ampled a Wetland	Area d? Yes No <u>k</u>
Photos 9/1-9/3				
VEGETATION – Use scientific names of plants.		N. A.		
Tree Stratum (Plot size: 30') %C	olute Do Cover Sp	minant Indecies? S	dicator	Dominance Test worksheet:
1. Pinus contoiste	10	4 4	TK	That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4	10 = T	otal Cover		Percent of Dominant Species
Sapling/Shrub Stratum (Plot size:)				Prevalence Index worksheet:
1. CYTISUS Scharlos 2	0	4-4	op-	Total % Cover of: Multiply by:
3.				OBL species $10$ x 1 = $10$
4	<u></u>			FACW species $40 \times 2 = 120$
5				FACU species $Z5 \times 4 = 100$
Herb Stratum (Plot size: 5')	<u>0</u> =T	otal Cover		UPL species 20 x 5 = 100
1. Ammophila arenaria 11	) (	<u>M_</u>	FACU	Column Totals: (A) (B)
2. Carex obrupts 10	<u>)                                    </u>	<u> </u>	OBL	Prevalence Index = B/A = 3, 47
3. Polystichum munitur	$\frac{2}{2}$		FACU	Hydrophytic Vegetation Indicators:
4. Hypucivalis realizing 1		<b>1</b> ── <del>*</del>	no	1 - Rapid Test for Hydrophytic Vegetation
6.			1	3 - Prevalence Index is <3 0 <sup>1</sup>
7				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8				data in Remarks or on a separate sheet)
9				o - vveularid ivon-vascular Plants  Problematic Hydrophytic Vegetation <sup>1</sup> (Evolution)
11.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 15'	= то	otal Cover		be present, unless disturbed or problematic.
1		<del></del>		Hydrophytic
2		otal Caura		Present? Yes No X
% Bare Ground in Herb Stratum	= (0			
Remarks:				
moss				L per

US Army Corps of Engineers

								7	Sampling Point:
Profile Description	on: (Describe to	o the dept	h needed	to docur	ment the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			Redo	x Feature	s			
(inches) (	Color (moist)		Color (I	noist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
09 7	· SU 4/2.5	100	-					LFS	
9-18 2	544/2	97	2,54	4/3	3	С	M	LFS	
						-			
Type: C=Conce	ntration, D=Deple	etion, RM=	Reduced	Matrix, CS	S=Covere	d or Coate	d Sand Gra	ains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indic	ators: (Applica	ble to all	LRRs, unl	ess othe	rwise not	ed.)		Indicato	rs for Problematic Hydric Solls <sup>-</sup> :
Histosol (A1)	)		Sandy	/ Redox (	S5)			2 cm	Muck (A10)
Histic Epiped	Jon (A2)		Stripp	ed Matrix	(S6)			_ Red	Parent Material (1F2)
Black Histic (	(A3) ulfide (A4)		Loam	y Mucky r	Mineral (F	1) (except	MLRA 1)	Very	Shallow Dark Surface (1F12)
Depleted Bel	Jillue (A4)	(411)	Loan Deple	y Gleyeu		2)		Othe	r (Explain in Remarks)
Thick Dark S	Surface (A12)	(ATT).	Redo	x Dark Su	rface (F6)			<sup>3</sup> Indicator	rs of hydrophytic vegetation and
Sandy Muck	v Mineral (S1)		Deple	ted Dark	Surface (	F7)		wetlar	nd hvdrology must be present,
Sandy Gleve	ed Matrix (S4)		Redo	v Depros	ione (ER)			unless	disturbed or problematic.
Oundy Oleye				v nehicas	10113 (1 0)				
Restrictive Laye	er (if present):			x Depies.	50113 (1 0)				
Restrictive Laye	er (if present):			x Depres	50113 (1 O)	a an			
Restrictive Laye Type: Depth (inches	•r (if present):			x Depres	<u>aona (10)</u>			Hydric Soil	Present? Yes No
Restrictive Laye Type: Depth (inches Remarks:	<pre>i):</pre>			x Depres				Hydric Soil	Present? Yes No 📈
Restrictive Laye Type: Depth (inches Remarks:	er (if present):							Hydric Soil	Present? Yes No 📈
Restrictive Laye Type: Depth (inches Remarks:	er (if present):							Hydric Soil	Present? Yes No X
Restrictive Laye Type: Depth (inches Remarks:	er (if present): 3):			- Copress				Hydric Soil	Present? Yes No 🔨
Restrictive Laye Type: Depth (inches Remarks: IYDROLOGY	er (if present):							Hydric Soil	Present? Yes No 🗶
County City City City City City City City Ci	ogy Indicators:							Hydric Soil	Present? Yes No 🔨
	ogy Indicators:		I; check al	I that app	ly)			Hydric Soil	Present? Yes No X
	ogy Indicators: (if present): (if	<u>e requirec</u>		Lithat appl Nater-Sta	ly) ined Leav	ves (B9) (e	xcept	Hydric Soil   <u>Secon</u> W	Present? Yes No X
	ogy Indicators: rs (minimum of or er (A1) Table (A2)	1e required		I that appl Nater-Sta MLRA	(y) 1, 2, 4A,	/es (B9) (e and 4B)	xcept	Hydric Soil   Secon W	Present? Yes No X
	ogy Indicators: rs (minimum of or ver (A1) Table (A2) A3)	<u>ne requirec</u>	1: check al	I that appl Vater-Sta MLRA Salt Crust	ined Leav 1, 2, 4A, (B11)	/es (B9) (e and 4B)	xcept	Hydric Soil   Secon W D	Present? Yes No X dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10)
	ogy Indicators: rs (minimum of or ter (A1) Table (A2) A3) ; (B1)	<u>he required</u>	<u>d: check al</u>	I that appl Vater-Sta MLRA Salt Crust Aquatic In	ly) ined Leav 1, 2, 4A, (B11) vertebrate	ves (B9) (e and 4B) es (B13)	xcept	Hydric Soil   <u>Secon</u> W Di Di	Present? Yes No X dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2)
	ogy Indicators: rs (minimum of or ier (A1) Table (A2) A3) \$ (B1) \$posits (B2)	<u>e requirec</u>	<u>i: check al</u>	I that appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O	ves (B9) (e and 4B) es (B13) dor (C1)	xcept	Hydric Soil   Secon W Di Di Di Si	Present? Yes No X dary Indicators (2 or more required) vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9)
	ogy Indicators: rs (minimum of or ier (A1) Table (A2) A3) § (B1) aposits (B2) \$ (B3)	<u>ne requirec</u>	<u>; check al</u>	I that app Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe	ves (B9) (e and 4B) es (B13) edor (C1) eres along	xcept	Hydric Soil   Hydric Soil   Secon W Di Di Si ts (C3) G	Present? Yes No X dary Indicators (2 or more required) vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2)
	ogy Indicators: rs (minimum of or ter (A1) Table (A2) A3) \$ (B1) \$ posits (B2) \$ (B3) Crust (B4)	<u>ne requirec</u>	<u>]: check al</u>	I that appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Dxidized I Presence	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduc	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4	xcept Living Roo	Hydric Soil   Hydric Soil   Secon W Di Si ts (C3) G Si	Present? Yes No X dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3)
	r (if present): ar (if present): a): ogy Indicators: rs (minimum of or ler (A1) Table (A2) A3) s (B1) aposits (B2) s (B3) Crust (B4) s (B5)	<u>ne requirec</u>	1: check al	I that appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Dxidized I Presence Recent Inc	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4 ion in Tille	xcept Living Roo 4) d Soils (C6	Hydric Soil   Hydric Soil   <u>Secon</u> W <u>Di</u> Si ts (C3) <u>G</u> Si Si Si Si Si Si Si Si Si Si	Present? Yes No X dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
	r (if present): ar (if present): a): cogy Indicators: rs (minimum of or ter (A1) Table (A2) A3) s (B1) aposits (B2) rs (B3) Crust (B4) s (B5) Cracks (B6)	<u>ne requirec</u>	<u></u>	I that appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc Stunted o	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressed	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Plants (D	xcept Living Roo 4) d Soils (C6 1) (LRR A)	Hydric Soil   Hydric Soil   <u>Secon</u> W <u>Di</u> Di Si ts (C3) <u>G</u> Si Si Si R	Present? Yes No X dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
	ogy Indicators: (if present): (if	<u>nagery (B</u>	1: check al 	I that appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc Stunted ou Other (Ex	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct or Reduct r Stressec plain in Re	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tilled d Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	Hydric Soil   Hydric Soil   Secon W W D S ts (C3) G Si Si Si Si Fi	Present? Yes No X dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
	er (if present): er (if present): s): ogy Indicators: rs (minimum of or ter (A1) Table (A2) A3) \$ (B1) eposits (B2) ts (B3) Crust (B4) \$ (B5) Cracks (B6) 'isible on Aerial In getated Concave	nagery (B <sup>1</sup> Surface (I	<u>d: check al</u> <u>d: check al} <u>d: check al</u> <u>d: check al</u> <u>d: check al} <u>d: check al</u> <u>d: check al} <u>d: check al</u> <u>d: check al} <u>d: check al} <u>d: check al} <u>d: check al} d: check al} <u>d: check al} d: check al} d</u></u></u></u></u></u></u></u>	Lithat appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc Stunted of Other (Ex	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressen plain in Re	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4 ion in Tilled ion in Tilled ion in Tilled ion in Tilled	xcept Living Roo 4) d Soils (C6 1) (LRR A)	Hydric Soil   Hydric Soil   Secon W W D S ts (C3) G Si Si Fi Fi	Present? Yes No X dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
	ogy Indicators: (if present): ): ogy Indicators: rs (minimum of or ier (A1) Table (A2) A3) \$ (B1) =posits (B2) is (B3) Crust (B4) \$ (B5) Cracks (B6) (isible on Aerial In getated Concave ons:	nagery (B3 Surface (I	<u>i: check al</u> <u></u>	I that appl Vater-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted of Other (Ex	IV) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressec plain in Re	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4 ion in Tille dor in Tille ion in Tille Hants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	Hydric Soil   Hydric Soil   Secon W Di Di Di Di Si Si Si Si N Fri Fri	Present? Yes No X dary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)

 Field Observations:

 Surface Water Present?
 Yes \_\_\_\_\_ No \_\_\_\_ Depth (inches): \_\_\_\_\_\_

 Water Table Present?
 Yes \_\_\_\_\_ No \_\_\_\_ Depth (inches): \_\_\_\_\_\_\_

 Saturation Present?
 Yes \_\_\_\_\_ No \_\_\_\_ Depth (inches): \_\_\_\_\_\_\_

 Gincludes capillary fringe)
 Depth (inches): \_\_\_\_\_\_\_

 Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

 Remarks:
Project/Site: West Post 1: ght 5.	P. c	VCounty Wizz	tPort	Sampling Date:
Applicant/Owner State Park		y/County.	State: INA	Sampling Point: SP-A7
prostigator(a): P 1 lam d'	E.	otion Township Ba	Oldre:	
ivestigator(s). I Familia Los Lex du	Pal			Caller Store (P(): 1
andform (hillslope, terrace, etc.):		ocal relier (concave,	convex, none): <u>CO</u>	Siope (%).
Subregion (LRR):	Lat:		_ Long:	
Soil Map Unit Name: DUNC 1400	and a street		NWI classif	ication: <u>PEWIL</u>
Are climatic / hydrologic conditions on the site typical for	or this time of year	? Yes No _	(If no, explain in	Remarks.)
re Vegetation, Soil, or Hydrology	significantly dis	sturbed? Are "	'Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally proble	ematic? (If ne	eded, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site n	nap showing s	ampling point k	ocations, transect	s, important features, etc
Hydrophytic Vegetation Present? Yes 🛠	No	1. 1. 1. 1. 1.	Constant in the	and the second second
Hydric Soil Present? Yes X	No	Is the Sampled	Area	1
Wetland Hydrology Present? Yes X	No	within a Wetlar	nd? Yes _0	<u>(</u> No
Remarks:	sett. 1	A Marx	AL ERREGA	1 St
r1005 927-928	wer lage,	5 - 18 691	N. POINCA	1.24.
	and the second second	1 - Carlos	1975 25	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
EGETATION – Use scientific names of	plants.	and the second		and the look it in
Tree Stratum (Plot size: 30)	Absolute I	Dominant Indicator	Dominance Test wor	ksheet:
1 PINUS GONTOX +a	<u>-% Cover</u>	PAC	Number of Dominant	Species 4
2 Alous rubky	20	Y FAC		, 0, 1, 1, 0, 1
3.	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Total Number of Dom Species Across All St	inant <i>V</i> (B)
4.	And the second second			
1-1	25 =	Total Cover	That Are OBL, FACW	or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size: 15)	.0	W The	Prevalence Index wo	orksheet:
1. KUBUS Specta DALAS		Y PAC	Total % Cover of:	Multiply by:
2. Lonicera Involociata		Y FAR	OBL species	x 1 =
3			FACW species	x 2 =
5.			FAC species	x 3 =
5:	15 =	Total Cover	FACU species	x 4 =
Herb Stratum (Plot size:)			UPL species	x 5 =
1. Carex Obnupta	90	4 DBL	Column Totals:	(A) (B)
2	- <del></del>	بتستجر لتسألنا	Prevalence Inde	ex = B/A =
3	All Train Street	61 1 1	Hydrophytic Vegetat	tion Indicators:
4	والمليب الشبا	<u>en 14 de 15 en 1940</u>	1 - Rapid Test for	Hydrophytic Vegetation
5			2 - Dominance To	est is >50%
6			3 - Prevalence In	dex is ≤3.0 <sup>1</sup>
7			4 - Morphological	Adaptations <sup>1</sup> (Provide supporting
8			5 Wotland Non	Vascular Dianta <sup>1</sup>
9			Problematic Hyde	conduction relation <sup>1</sup> (Evolution)
11			<sup>1</sup> Indicators of hydric s	oil and wetland hydrology must
and the second s	dn -	Total Cover	be present, unless dis	sturbed or problematic.
Woody Vine Stratum (Plot size: 15)	=	Total Cover		A second second second second
1			Hydrophytic	
2	<u></u>		Vegetation	. N
0	=	Total Cover	Present? Y	es No
% Bare Ground in Herb Stratum	And Annual States of State			
6 medas				

SOIL

Profile Description: (Describe to the de	pth needed to docum	ent the i	indicator	or confirm	m the absence of in	dicators.)
Depth <u>Matrix</u>	Redox	Feature	s	. 2	Terture	Bomostra
(inches) Color (moist) %	Color (moist)	%	Type'	Loc	Texture	Remarks
0-6 54 3/1 100				-	LES	
6-16 54 3/1 95	704R 1/4	5	C	M	LFS_	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM Hydric Soil Indicators: (Applicable to a	A=Reduced Matrix, CS	=Covered	d or Coate	ed Sand G	irains. <sup>2</sup> Location	: PL=Pore Lining, M=Matrix. r Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	X Sandy Redox (S	5)			2 cm Mue	ck (A10)
Histic Enjandon (A2)	Stringed Matrix	(56)			Red Pare	ent Material (TF2)
Black Histic (A3)	Outpped Matrix (	inoral (E	1) (02000	-	Very Sha	llow Dark Surface (TE12)
Hydrogon Sulfide (A4)	Loamy Mucky M	Interal (F	I) (excep	I MERA I	Other (E)	(nlain in Remarks)
Tryatogen Sunde (A4)	Loanny Gleyeu n	(E2)	)			
Depleted below Dark Sunace (ATT)	Depleted Matrix	(F3)			<sup>3</sup> Indicators of	hydrophytic vegetation and
Sandy Music Minami (S1)	Redox Dark Sur	ace (FO)	-7		indicators of	drology must be present
Sandy Mucky Mineral (ST) Sandy Gleved Matrix (S4)	Depleted Dark S	one (F8)	-1)		unless dist	urbed or problematic
Restrictive Layer (if present):			197.12	40.00		
Туре:	Service States				and a state	State State State
Depth (inches):	and the second second				Hydric Soil Pres	ent? Yes <u>X</u> No
Remarks:	And a second second	1.2	-	2		
		and a		ant the	A PARTY AND	WAR POLLAR

Primary Indicators (minimum of one required;	check all that apply)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Sparsely Vegetated Concave Surface (B)</li> </ul>	Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B)     Salt Crust (B11)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Livin     Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled Soi     Stunted or Stressed Plants (D1) (L1     Other (Explain in Remarks)	t Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) g Roots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Is (C6) FAC-Neutral Test (D5) RR A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	o Depth (inches): o Depth (inches): o Depth (inches): _ <u>Sulfation</u> itoring well, aerial photos, previous inspecti	Wetland Hydrology Present? Yes 🖳 No ions), if available:
Remarks: Newt to flooded	scuele	

roject/Site: Westford light S,t	,	City/County: W25	Sampling Date: 5-1-0
policant/Owner: State Paxiz		A STATE	State: Sampling Point: SP-A8
vestigator(s): P. Hamidi, B. Fletch	128	Section, Township, Ra	nge:
andform (hillslope, terrace, etc.): DUNES	19.1	Local relief (concave,	convex, none):
ubregion (LBB):	Lat:	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	_ Long: Datum:
oil Man Unit Name: DUNE Land			NWI classification:
re climatic / bydrologic conditions on the site typical for th	his time of yea	ar? Yes K No_	(If no, explain in Remarks.)
re Vegetation Soil or Hydrology	significantly	disturbed? Are	Normal Circumstances" present? Yes 🔀 No
re Vegetation, coll, or Hydrology	naturally pro	blematic? (If ne	eeded, explain any answers in Remarks.)
	chowing	compling point l	ocations, transects, important features, etc
UMMARY OF FINDINGS – Attach site map	snowing	sampling point i	
Hydrophytic Vegetation Present? Yes	No	Is the Sampled	Area
Aydric Soil Present? Yes	No X	within a Wetlan	nd? Yes No_04
Remarks:	<u> </u>	A CONTRACTOR	a a the second second a second a
(enality)			agent of the second second second
		R. C. VERNER	
EGETATION – Use scientific names of pla	nts.	at and	La state and a second state
30'	Absolute	Dominant Indicator	Dominance Test worksheet:
Plot size:	7 Cover	V EA	Number of Dominant Species 3 (A)
		Real and a second	Total Number of Dominant Species Across All Strata: (B)
.5'	25	= Total Cover	That Are OBL, FACW, or FAC: (A/B
Sapling/Shrub Stratum (Plot size: 75)	20	1 10	Prevalence Index worksheet:
CUTISUS SCOPENIUS	- 20	FACIN	Total % Cover of: Multiply by:
They an falling	- 12	FACU	OBL species $50 \times 1 = 50$
Vaccimilia miatum	10	Y FACU	FACW species $15 \times 2 = 30$
	_		FAC species $\frac{25}{30}$ x 3 = $\frac{15}{120}$
	50	= Total Cover	FACU species $33$ x4= 140
Herb Stratum (Plot size:)	15	FACU	$\frac{1}{295}$
Polystichum MUNITUM	- TAG	V (001	Column rotals. $\underline{7} = (A) = \underline{7} = (B)$
a laver obnu ptg			Prevalence Index = B/A =
3			Hydrophytic Vegetation Indicators:
	20	And the Part State of the second	1 - Rapid Test for Hydrophytic Vegetation
Contraction and the second second	X	susses and a Pa	$\mathbf{X}$ 3 - Provolution Index is $\leq 2.0^{1}$
7.	- 1	al sur a sur	A - Mombological Adaptations <sup>1</sup> (Provide supportin
3	1.1		data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants <sup>1</sup>
10			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11		mi sulling the state	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Mondy Vine Stratum (Plot size: 15	65	= Total Cover	be present, unless disturbed or problematic.
1 RUBUS UISINUS	5	Y FARD	and a second
2.			Hydrophytic Vegetation
	5		Present? Yes No X
	17	= lotal Cover	

Ł

	<	n	Λ	C
Sampling Point:	2	r-	/†	ප

Depth	Matrix		Redox Fea	tures		
(inches)	Color (moist)	%	Color (moist) %	Type <sup>1</sup>	Loc <sup>2</sup> Text	ture Remarks
0-9	2,54 4/2	100			- 15	5
9-18	2.5.1 4/2	94	10110 3/4 1			
						<b>2</b>
Гуре: С=С	oncentration, D=D	epletion, RM	Reduced Matrix, CS=Cov	vered or Coated S	Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix,
lydric Soil	Indicators: (Appl	icable to all	LRRs, unless otherwise	noted.)	- (In	dicators for Problematic Hydric Soils <sup>3</sup> :
_ Histosol	(A1)		Sandy Redox (S5)		4. A.	_ 2 cm Muck (A10)
Histic E	pipedon (A2)		Stripped Matrix (S6)			Red Parent Material (TF2)
Black H	istic (A3)		Loamy Mucky Minera	l (F1) (except M	LRA 1)	Very Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleyed Matrix	(F2)		_ Other (Explain in Remarks)
Deplete	d Below Dark Surfa	ace (A11)	Depleted Matrix (F3)			
Sandy M	Aucky Minoral (S1)		Redox Dark Surface	(F6)	"Ir	ndicators of hydrophytic vegetation and
Sandy C	Sleved Matrix (S4)		Depieted Dark Suriad	E8)	the second	wetland hydrology must be present,
			_ nedex Depressions (	10)		unless disturbed of problematic.
Restrictive	Laver (if present)		and the second sec	1 - A - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1	and the second se
Restrictive	Layer (if present)	Sec. 1	ANT CAR			
Restrictive Type: Depth (in	Layer (if present)				Hvdri	ic Soil Present? Yes No K.
Restrictive Type: Depth (in Remarks:	Layer (if present) ches):				Hydri	ic Soil Present? Yes No
Restrictive Type: Depth (in Remarks:	Layer (if present)				Hydri	ic Soil Present? Yes No
Restrictive Type: Depth (in Remarks: IYDROLO	Layer (if present) ches):				Hydri	ic Soil Present? Yes No <u>/ .</u>
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy	Layer (if present) ches): GGY drology Indicator	5: 6	d: check all that apply)		Hydri	ic Soil Present? Yes <u>No K</u> .
Restrictive Type: Depth (in Remarks: IYDROLO Wetland Hy <u>Primary India</u>	Layer (if present) ches): GY drology Indicator cators (minimum o	s: f one require	d; check all that apply)		Hydri	Secondary Indicators (2 or more required)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Surface	Layer (if present) ches): GY drology Indicator cators (minimum o Water (A1)	s: f one require	d; check all that apply) Water-Stained L	eaves (B9) (exce	Hydri	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Surface High Wa Saturati	Layer (if present) ches): OGY drology Indicator cators (minimum o Water (A1) ater Table (A2)	s: f one require	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11)	eaves (B9) (exce IA, and 4B)	Hydri	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Surface High Wa Saturatia Water M	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) larke (B1)	s: fone require	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverted	eaves (B9) (exce IA, and 4B)	ept	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Drav Season Water Table (C2)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimen	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) larks (B1) on t Deposits (B2)	s: fone require	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid	eaves (B9) (exco IA, and 4B) rates (B13) e Odor (C1)	ept	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 (CC
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimen Drift Dev	Layer (if present) ches): drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3)	s: fone require	d: check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) spheres along Liv	ept	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 (CS Geomorphic Position (D2)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Saturatia Saturatia Water M Sedimen Drift Dej Algal Mi	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	s: fone require	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfide Oxidized Rhizos Presence of Rec	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) spheres along Liv duced Iron (C4)	ept	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 (CS Geomorphic Position (D2) Shallow Aguitard (D3)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Saturatia Saturatia Water M Sedimen Drift Dep Algal Ma Iron Dep	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	s: f one require	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) spheres along Liv duced Iron (C4) luction in Tilled S	ept ing Roots (C3) 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Saturation Sat	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	s: fone require	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) pheres along Liv duced Iron (C4) luction in Tilled S used Plants (D1)	ept ing Roots (C3) ioils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Restrictive Type: Depth (in Remarks: YDROLO Yetland Hy Primary India Saturation Sat	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) fon Visible on Aeria	s: fone require	d: check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfide Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stres () Other (Explain ir	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) spheres along Liv duced Iron (C4) luction in Tilled S used Plants (D1) in n Remarks)	ept ing Roots (C3) soils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Restrictive Type: Depth (in Remarks: YDROLO YDROLO Vetland Hy Primary India Saturatia Saturatia Water M Sedimen Drift Dep Algal Ma Iron Dep Surface Inundati Sparsel	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) lon Visible on Aeria y Vegetated Conca	s: fone require l Imagery (B ve Surface (	d; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Red — Stunted or Stres 7) — Other (Explain in B8)	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) spheres along Liv duced Iron (C4) luction in Tilled S used Plants (D1) in n Remarks)	ept ing Roots (C3) soils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Saturatia Saturatia Water M Sedimen Drift Dej Algal Ma Iron Dej Surface Inundati Sparsel Field Obser	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aeria y Vegetated Conca rvations:	s: fone require l Imagery (B ve Surface (	d; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfide Oxidized Rhizos Presence of Rec Recent Iron Red Stunted or Stress 7) Other (Explain in B8)	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) spheres along Liv duced Iron (C4) luction in Tilled S issed Plants (D1) in Remarks)	ept ing Roots (C3) soils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary Indie Surface High Wa Surface Saturatii Saturatii Surface Drift Dep Algal Ma Iron Dep Surface Inundati Sparsel Field Obser Surface Wal	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aeria y Vegetated Conca rvations: ter Present?	s: fone require fone surface ( Yes	d; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Red — Stunted or Stres 7) — Other (Explain ir B8) No K_ Depth (inches):	eaves (B9) (exce 4A, and 4B) rates (B13) e Odor (C1) pheres along Liv duced Iron (C4) luction in Tilled S used Plants (D1) ( n Remarks)	ept ing Roots (C3) soils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Restrictive Type: Depth (in Remarks: YDROLO Wetland Hy Primary India Saturation Sat	Layer (if present) ches): GGY drology Indicator cators (minimum o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) Ion Visible on Aeria y Vegetated Conca rvations: ter Present? Present?	s: fone require fone surface ( Yes Yes	d; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Red — Stunted or Stres 7) — Other (Explain in B8) No K Depth (inches): No K Depth (inches):	eaves (B9) (exce IA, and 4B) rates (B13) e Odor (C1) pheres along Liv duced Iron (C4) luction in Tilled S used Plants (D1) in n Remarks)	ept ing Roots (C3) soils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Remarks:

WETLAND DETERMINATION DA	TA FOR	RM – Western Mou	ntains, Valleys, and Coast Region
Project/Site: Wrstport Light S.P.	200	City/County: U2	stPort Sampling Date:
Applicant/Owner: State Park			State: Sampling Point:
Investigator(s): R. Humidi		Section, Township, Ra	nge:
Landform (hillslope, terrace, etc.); IN terroupal	1	Local relief (concave,	convex, none): COACANC Slope (%): 1
Subregion (LBR): A	Lat:	and the second second second	Long: Datum:
	2.5		NWI classification:
Are climatic / bydrologic conditions on the site typical for this	s time of ve	ear? Yes X No_	(If no, explain in Remarks.)
Are Vegetation Soil or Hydrology S	ignificantly	disturbed? Are "	Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	aturally or	oblematic? (If ne	eded, explain any answers in Remarks.)
		ling point l	anotions transects important features, etc.
SUMMARY OF FINDINGS – Attach site map	showing		
Hydrophytic Vegetation Present? Yes X Ni Hydric Soil Present? Yes X Ni Wetland Hydrology Present? Yes X Ni Remarks: Obotos 929-932 Wes	e Mewo	Is the Sampled within a Wetlar	Area nd? Yes <u>X</u> No with Bridley Nuer Occen Ave
VEGETATION – Use scientific names of plan	ts.		
Trac Stratum (Plot size: 30)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet:
1 P.NUS CONJOLIS	10	Y FAC	That Are OBL, FACW, or FAC: (A)
2.		and the second s	Total Number of Dominant
3	1.0.3		Species Across All Strata: (B)
4	- 10		Percent of Dominant Species
a li chat statur (Bisteire: 15')	10	_ = Total Cover	That Are OBL, FACW, or FAC: (A/B)
1 Solid book Niewa	70	Y FACW	Prevalence Index worksheet:
2 Malus AUSCG	10	FACW	OBL species
3. Lowicene Involuctato	5	FAC	EACW species x 2 =
4. Movelly californica	5	FACW	FAC species x3=
5	- 00		FACU species x 4 =
5'	90	_= Total Cover	UPL species x 5 =
Herb Stratum (Plot size:	100	Y GBL	Column Totals: (A) (B)
1. <u>carce com pro-</u>			Provalence Index = B/A =
3		and she	Hydrophytic Vegetation Indicators:
4.	N NO 10	Same and the second	1 - Rapid Test for Hydrophytic Vegetation
5.	9 1.9-1	and the start as	№ 2 - Dominance Test is >50%
6		<u>ne nach milie bi</u>	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7		يجاذبون فأريكتك	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8	. <u> </u>	فليبتك ومليك أ	data in Remarks or on a separate sneet)
9	- Andrews		
10			Indicators of bydric soil and wetland bydrology must
11	too		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 15)	_100	_= Total Cover	Hydrophytic
2		k	Vegetation
0	0	= Total Cover	Present? Yes <u></u> No
% Bare Ground in Herb Stratum			
Remarks:			

rome Description: (Describe to th	ne depth needed to document the indic	ator or confirm	i ine absence	or indicators.)
Depth <u>Matrix</u> inches) Color (moist)	Redox Features           %         Color (moist)         %         Type	rpe <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
D~6 543/1 1	00		LFS	M. Land M. Sale
6-12 54 4/1 9	5 104R 4 3,445 C	<u> </u>	LES	
ype: C=Concentration, D=Depletio vdric Soil Indicators: (Applicable	n, RM=Reduced Matrix, CS=Covered or C	Coated Sand Gr	ains. <sup>2</sup> Loc Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	X Sandy Reday (S5)		2 cm	Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)		Z Ch	Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (ex	xcept MI RA 1)	Neu Ven	Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Soprimerra I)	Othe	er (Explain in Remarks)
Thick Dark Surface (A12)	Depleted Matrix (F3)		3 Indiante	re of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Reuox Dark Surface (F6)	and and the	Indicato	nd hydrology must be present
Sandy Gleved Matrix (S4)	Redox Depressions (F8)		wetta	s disturbed or problematic
Restrictive Laver (if present):		and the second second		a distance of prosterinatio.
Туре:		Sec. Cart	1 July	
Denth (inches):	A STORAGE MELLING & STORE		Hydric Soil	Present? Yes X No
		CTALL ALL AND	Hyune Soll	
Pit under depths cre	approximate			
Pit Under depites cre YDROLOGY Vetland Hydrology Indicators:	weber approximate			
Pit Under depths cre YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one r	weber approximate equired; check all that apply)		Seco	ndary Indicators (2 or more required)
PIT UNCLEA dr. pHr.S CKR. YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one r X Surface Water (A1)	Wicher approvalimente equired; check all that apply) Water-Stained Leaves (B	39) (except	<u>Seco</u> r V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2
Pit UNCLEA dr. pith S CKR YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one n Surface Water (A1) High Water Table (A2)	Wicher approvalimente equired; check all that apply) Water-Stained Leaves (B MLRA 1, 2, 4A, and 4	39) (except 4B)	<u>Seco</u> r V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A. and 4B)
Pit Under dr. pith S cre YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one r S Surface Water (A1) High Water Table (A2) Saturation (A3)	Wicher approvince the equired; check all that apply) Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 Salt Crust (B11)	39) (except 4B)	<u>Seco</u> r V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10)
Pit UNCLA dr. pith S cre YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	Weber approvimente equired; check all that apply) Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebrates (B1	39) (except 4B) 13)	<u>Secor</u> V D	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Varinage Patterns (B10) Dry-Season Water Table (C2)
Pit UNCLA dr. pith S CKR YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Weber approximate equired; check all that apply) Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 Salt Crust (B11) Aquatic Invertebrates (B1 Hydrogen Sulfide Odor (6	39) (except 4 <b>B)</b> 13) C1)	<u>Seco</u> r V C C	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C5
Pit UNCLA dr. pith S CKR. YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C Oxidized Rhizospheres a	39) (except 4 <b>B)</b> 13) C1) along Living Roo	<u> Secon</u> W D D S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS Geomorphic Position (D2)
Pit UNCLA dt. pth.S. CKC. YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one r Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Wicher approxi mate equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a Presence of Reduced Iro	39) (except 4 <b>B)</b> 13) C1) along Living Roo on (C4)	<u> Secon</u> V C S ots (C3) <u>\$</u>	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irrainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS Secomorphic Position (D2) hallow Aquitard (D3)
Pit UNCLA dt pit S CKC YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one r 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)	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro Recent Iron Reduction in	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6	<u>Secon</u> V C S ots (C3) <u>↓</u> S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rrainage Patterns (B10) hry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
Pit UNCLA JIPHUS CKA VDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re 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)	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro — Recent Iron Reduction in Stunted or Stressed Plan	39) (except 4B) 13) C1) along Living Roo on (C4) n Tilled Soils (C6 nts (D1) (LRR A)	<u>Secon</u> V C S S S S S S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A)
Pit UNCLA JIPHUS CKA VDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re 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 Image	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro — Recent Iron Reduction in — Stunted or Stressed Plan ery (B7) — Other (Explain in Remark	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 nts (D1) (LRR A) ks)	<u>Secon</u> V C S S S S S S S S S S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) Irost-Heave Hummocks (D7)
Pit UNCLA dr. Pith S CKC YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one r 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 Aertal Imag Sparsely Vegetated Concave Su	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro — Recent Iron Reduction in — Stunted or Stressed Plan terry (B7) — Other (Explain in Remarker face (B8)	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 hts (D1) (LRR A) ks)	<u>Secon</u> W D C S S S S S S F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
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Pit UNCLA Jt Pit S CKC YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one r 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 Imag Sparsely Vegetated Concave Surficed Observations: Surface Water Present? Yes	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro — Recent Iron Reduction in — Stunted or Stressed Plan there (B7) — Other (Explain in Remarker rface (B8)	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 nts (D1) (LRR A) ks)	Secon V C C C S S S S S F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS Geomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Pit UNCLA JEPHS CKC YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one r 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 Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes	equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro — Recent Iron Reduction in — Stunted or Stressed Plan Herry (B7) — Other (Explain in Remark rface (B8) X No Depth (inches):	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 hts (D1) (LRR A) ks)	Secon V C C S S S S S F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rrainage Patterns (B10) hry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
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Pit UNCLA dt. Pit S CKC YDROLOGY Netland Hydrology Indicators: Primary Indicators (minimum of one r 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 Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Saturation Present? Yes	Weber approximate equired; check all that apply) — Water-Stained Leaves (B MLRA 1, 2, 4A, and 4 — Salt Crust (B11) — Aquatic Invertebrates (B1 — Hydrogen Sulfide Odor (C — Oxidized Rhizospheres a — Presence of Reduced Iro — Recent Iron Reduction in — Stunted or Stressed Plan tery (B7) — Other (Explain in Remarked rface (B8) Mo Depth (inches): K No Depth (inches): K No Depth (inches): K No Depth (inches): K No Depth (inches): K No Depth (inches): K No K No No Depth (inches): K No K No K No No K No K No	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 hts (D1) (LRR A) ks) ecc fac	<u>Secon</u> W D S ots (C3) ☆ G S S F ) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Prainage Patterns (B10) Pry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS iseomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
Pit UNCLA dt PHS CKC YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one r 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 Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Includes capillary fringe)	Wicker         approximate         equired; check all that apply)	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 hts (D1) (LRR A) ks) ecc fac Weth us inspections),	${}$	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rrainage Patterns (B10) hry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes <u>V</u> No
Pit UNCLA JEPHS CKE YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one r 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 Aertal Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes Mater Table Present? Yes Saturation	Wicher         approximate         equired; check all that apply)	39) (except 4B) 13) C1) along Living Roc on (C4) a Tilled Soils (C6 hts (D1) (LRR A) ks) <u>ecc</u> <u>ks</u> weth us inspections),	<u>Secon</u> W D S onts (C3) ☆ G S S F F F F F	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) trainage Patterns (B10) try-Season Water Table (C2) aturation Visible on Aerial Imagery (CS becomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) taised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No
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Pit under dr.pit c.c. Primary Indicators: Primary Indicators (minimum of one r 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 Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Sat	Wicher approximate equired; check all that apply) 	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 ats (D1) (LRR A) ks) <u>ecc</u> <u>ks</u> weth us inspections),	$\frac{\text{Secon}}{} V$ $\frac{-}{-} V$ $\frac{-}{-} C$ $\frac{-}{-} $	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rrainage Patterns (B10) hry-Season Water Table (C2) aturation Visible on Aerial Imagery (CS beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) faised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No
Prif Under dr. pith S cm Primary Indicators: Primary Indicators (minimum of one m 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 Imag Sparsely Vegetated Concave Su Field Observations: Surface Water Present? Yes Nater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes	Weber approximate equired; check all that apply) 	39) (except 4B) 13) C1) along Living Roo on (C4) a Tilled Soils (C6 hts (D1) (LRR A) ks) <u>ecc</u> <u>ks</u> Weth us inspections),	${}$	hdary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C4 beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) raised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No

Western Mountains, Valleys, and Coast - Version 2.0

roject/site: West Port Light S.F.	<u>)                                    </u>	City/County	wist	Port	_ Sampling Date: _	5-31-21
pplicant/Owner: 5tete Resk			Sec. 1	State: UA	_ Sampling Point: _	SP-110
ivestigator(s): P. Hamidi	.10.1	Section, To	wnship, Rar	nge:	1. 1	10
andform (hillslope, terrace, etc.):	+1/ Sido	Local relief	(concave, c	convex, none):	Slop	pe (%): <u>10</u>
ubregion (LRR):	Lat:			Long:	Datu	m:
oil Map Unit Name: YARU iNG		ليشايا	-	NWI classifi	cation:	d
re climatic / hydrologic conditions on the site typical for	r this time of yea	r? Yes	K NO_	(If no, explain in	Remarks.)	
re Vegetation, Soil, or Hydrology		listurbed?	Are "	Normal Circumstances"	present? Yes	No
re Vegetation, Soil, or Hydrology	naturally prol	blematic?	(If ne	eded, explain any answ	ers in Remarks.)	
UMMARY OF FINDINGS – Attach site m	ap showing	samplin	g point k	ocations, transect	s, important fe	atures, etc
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks:	No No _X No _X	ls th with	e Sampled in a Wetlan	Area d? Yes	No_K	<u>.</u>
VEGETATION - Use scientific names of n	lants					<u></u>
EGETATION - Ose scientific names of p	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:	1 . C. C.
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Number of Dominant	Species 2	(A)
1		Contraction of the local data		That Are OBL, FACW	or FAC:	(A)
2		1000		Total Number of Domi	nant 😽	<b>(B)</b>
3	100	1225	12.2	Species Across Air ou	ulu	
	0	= Total Co	ver	Percent of Dominant S That Are OBL, FACW	or FAC:	15 (A/B)
Sapling/Shrub Stratum (Plot size:)	7.	N	EAC	Prevalence Index wo	orksheet:	
Morella calitornica		1	FILW	Total % Cover of:	Multip	ly by:
ALLAN RIVERPORT		1.00	FACI	OBL species	x 1 =	<u></u>
3. Utox Colopucos			THE	FACW species	x 2 =	
4	2			FAC species	x 3 =	1999 ( 1997 ( 19
	40	= Total Co	over	FACU species	x 4 =	
Herb Stratum (Plot size: 5)	20	N	EA.	Column Totals:	x 5 =	(B)
1. Polystichum MUDITUM	- 20	-1-	THO		(A)	(0)
2. Carex oboupty		1-	<u>Doc</u>	Prevalence Inde	x = B/A =	
3. PMMoph; G arenaria	<u>&gt;</u>		FACU	Hydrophytic Vegetat	ion Indicators:	
4				- 1 - Rapid Test for	Hydrophytic Vege	tation
5				2 - Dominance Te	dox is $< 3.0^{1}$	
6	1	1000	-	3 - Prevalence in	Adaptations <sup>1</sup> (Prov	vide supporting
o		1.60		data in Remar	ks or on a separate	sheet)
9			6	5 - Wetland Non-	Vascular Plants <sup>1</sup>	
10	1000			Problematic Hydr	ophytic Vegetation	<sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric s	oil and wetland hyd	Irology must
	65	= Total Co	ver	be present, unless da	surbed or problema	100.
Woody Vine Stratum (Plot size:)	15	м	FA	A		
1. NOUS WINGARDS			<u>Inc</u>	Hydrophytic		
2		- Total Ca	wor	Present?	'es <u> </u>	
% Bare Ground in Herb Stratum		- Total Co	ver			
	wards the second state of the second					

## SOIL

SP-A10 Sampling Point: 3-3/-2/

enth Matrix		Redox	Features	S		
inches) Color (moist)	% Col	or (moist)	%	Type <sup>1</sup> L	oc <sup>2</sup> Te	xture Remarks
3-16 104R.46	100		-		- 4	FS
<u> </u>						
	1.1.1.1.1					
	and the					
		and the second				
ype: C=Concentration, D=Deplet	tion, RM=Reduc	ced Matrix, CS	=Covered	d or Coated S	and Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicab	ble to all LRRs,	unless other	wise not	ed.)		Indicators for Problematic Hydric Solis .
Histosol (A1)	S	andy Redox (S	65)			2 cm Muck (A10)
Histic Epipedon (A2)	S	tripped Matrix	(S6)	anter de la como		Red Parent Material (TF2)
Black Histic (A3)	L	oamy Mucky N	lineral (F	1) (except ML	.RA 1)	Very Shallow Dark Sunace (TF 12)
_ Hydrogen Sulfide (A4)	L	oamy Gleyed	Matrix (F2	2)		Other (Explain in Remarks)
_ Depleted Below Dark Surface	(A11) D	epleted Matrix	(F3)			3. United as the drambutic vogotation and
_ Thick Dark Surface (A12)	R	edox Dark Su	face (F6)			Indicators of hydrophylic vegetation and
_ Sandy Mucky Mineral (S1)	D	epleted Dark	Surface (F	-7)		unless disturbed or problematic.
_ Sandy Gleyed Matrix (S4)	R	edox Depress	ions (F8)			
Type:						
					Hyd	dric Soil Present? Yes No _X
Depth (inches):						
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators:						
Depth (inches): temarks: YDROLOGY Vetland Hydrology Indicators: Inimary Indicators (minimum of on	e required; che	ck all that appl	v)			Secondary Indicators (2 or more required)
Depth (inches): temarks: YDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of on Surface Water (A1)	ne required; che	<u>ck all that appl</u> Water-Sta	y) ined Leav	ves (B9) (exce	ept	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
Depth (inches): temarks: YDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of on Surface Water (A1) High Water Table (A2)	ne required; che	<u>ck all that appl</u> Water-Sta MLRA	y) ined Leav 1, 2, 4A, 3	ves (B9) (exce and 4B)	ept	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Depth (inches): temarks: YDROLOGY Yetland Hydrology Indicators: trimary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3)	e required; che	ck all that appl Water-Sta MLRA Salt Crust	y) ined Leav 1, 2, 4A, 1 (B11)	ves (B9) (exce and 4B)	ept	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
Depth (inches): emarks: //DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ne required; che	ck all that appl Water-Sta MLRA Salt Crust Aquatic In	y) ined Leav 1, 2, 4A, 5 (B11) vertebrate	ves (B9) (exce and 4B) es (B13)	ept	Secondary Indicators (2 or more required) — Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) — Drainage Patterns (B10) — Dry-Season Water Table (C2)
Depth (inches): Temarks: YDROLOGY Yetland Hydrology Indicators: trimary Indicators (minimum of on Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ne required; che	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O	ves (B9) (exce and 4B) es (B13) odor (C1)	ept	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 (CS
Depth (inches): Temarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of on 	ne required; che	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi	ept ing Roots (C:	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 (C3 Geomorphic Position (D2)
Depth (inches): emarks: //DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of on 	ne required; che	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduce	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4)	ept	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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3)
Depth (inches): Termarks: YDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of on 	ne required; che	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduce on Reduct	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S	ept ing Roots (C3 oils (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Depth (inches): Termarks: //DROLOGY /etland Hydrology Indicators: trimary Indicators (minimum of on 	<u>e required; che</u>	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized P Presence Recent Inc Stunted of	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressed	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) (	ing Roots (C: oils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Depth (inches):         temarks:         YDROLOGY         Vetland Hydrology Indicators:         trimary Indicators (minimum of on	ne required: che	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted ou Other (Ex	y) ined Leav 1, 2, 4A, 5 (B11) vertebrate Sulfide O Rhizosphe of Reduct of Reduct r Stressec plain in Re	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ing Roots (C: oils (C6) (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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Temarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of on 	nagery (B7) Surface (B8)	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted of Other (Ex	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressec plain in Re	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ept ing Roots (C3 oils (C6) (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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Temarks: //DROLOGY //etland Hydrology Indicators: trimary Indicators (minimum of on 	nagery (B7) Surface (B8)	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted ou Other (Ex	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stresseo plain in Re	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ing Roots (C: oils (C6) (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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches):         Remarks:         /DROLOGY         /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         'ield Observations:         Surface Water Present?	nagery (B7) Surface (B8)	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted ou Other (Ex	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressec plain in Re uches):	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ing Roots (C: oils (C6) (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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): emarks: //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of on 	nagery (B7) Surface (B8)	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted or Other (Ex	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressec plain in Re plain in Re aches):	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ing Roots (C: oils (C6) (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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches):         Remarks:         Property Setting         Vetland Hydrology Indicators:         trimary Indicators (minimum of on	nagery (B7) Surface (B8) es No es No es No	ck all that appl         Water-Sta         MLRA         Salt Crust         Aquatic In         Hydrogen         Oxidized I         Presence         Recent Irc         Stunted or         Other (Ex)         Depth (in         Depth (in         Depth (in	y) ined Leav 1, 2, 4A, 1 (B11) vertebrate Sulfide O Rhizosphe of Reduct of Reduc	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ept ing Roots (C: oils (C6) (LRR A) Wetland H	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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present? Yes No K
Depth (inches): Termarks: <b>YDROLOGY</b> <b>Vetland Hydrology Indicators:</b> <u>trimary Indicators (minimum of on</u> 	nagery (B7) Surface (B8) es No _X es No _X gauge, monitori	ck all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted or Other (Ex) Depth (in Depth (in mg well, aerial	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressec plain in Re- uches): uches): photos, p	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ept ing Roots (C: oils (C6) (LRR A) Wetland H ctions), if ava	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 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Remarks: Primary Indicators (minimum of on 	nagery (B7) Surface (B8) es No gauge, monitori	ck all that appl         Water-Sta         MLRA         Salt Crust         Aquatic In         Hydrogen         Oxidized F         Presence         Recent Inc         Stunted ou         Other (Ex)         Depth (in         Depth (in         Meental (in         How of the second (in the second out)         Other (Ex)         Note (in the second out)         Stunted out)         Other (Ex)         Depth (in         Mage (in the second out)         Mage (in the seco	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressec plain in Re uches): nches): photos, p	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ept ing Roots (C: oils (C6) (LRR A) Wetland H ctions), if ava	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 (CS 3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Hydrology Present? Yes No
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Yrimary Indicators (minimum of on 	nagery (B7) Surface (B8) es No gauge, monitori	ck all that appl         Water-Sta         MLRA         Salt Crust         Aquatic In         Hydrogen         Oxidized F         Presence         Recent Inc         Stunted ou         Other (Ext         Depth (in         Depth (in         Negeth (in         Hold arial	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressec plain in Re uches): nches): photos, p	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ept ing Roots (C: oils (C6) (LRR A) Wetland H ctions), if ava	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 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Depth (inches): Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of on 	nagery (B7) Surface (B8) es No gauge, monitori	ck all that appl         Water-Sta         MLRA         Salt Crust         Aquatic In         Hydrogen         Oxidized F         Presence         Recent Inc         Stunted ou         Other (Ext         Depth (in         Depth (in         Depth (in         No well, aerial	y) ined Leav 1, 2, 4A, i (B11) vertebrate Sulfide O Rhizosphe of Reduct r Stressec plain in Re uches): hches): photos, p	ves (B9) (exce and 4B) es (B13) odor (C1) eres along Livi ed Iron (C4) tion in Tilled S d Plants (D1) ( emarks)	ept ing Roots (C: oils (C6) (LRR A) Wetland H ctions), if ava	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 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

iect/Site: West Port Light S	P.	City/County:	WestRo	14	Sampling	Date: <u>4-1</u>	-21
plicant/Owner: Statz Park	and the fact of	ny/oounty		State: W	A Sampling	Point: Sf	2-1911
estigator(s): P. Hamid'	5	Section, Towns	ship, Range:			and a strength	
adform (hillslope, terrace, etc.): Insterdus	al	l ocal relief (co	oncave, conv	ex. none):	oncoul	Slope (%	): 1
bregion (LRB): A	Lat	Loodi Tonoi (co	Lo	na:		_ Datum:	Lund.
	cat			NWI cl	assification:	EMIC	in de
a limetia / hydrologic conditions on the site typical fo	r this time of yea	vas A	No	(If no, explai	n in Remarks.)		
	cignificantly of	listurbed?	Are "Nor	nal Circumstan	ces" present?	Yes 🗶 I	No
Vegetation, Soll, or Hydrology	significantly o	alomatic?	(If neede	d explain any a	answers in Rem	arks.)	
e vegetation, Soli, or Hydrology			(11 110000		anto impor	tant featur	es etc
UMMARY OF FINDINGS – Attach site m	ap showing	sampling p	point loca	tions, trans	ects, impor	tant leatur	
Aydrophytic Vegetation Present? Yes Yes Yes Yes Yes Yes Yes Xettand Hydrology Present? Yes Xemarks:	No No No ) photos	Is the Sa within a	ampled Are a Wetland? - 945	a Yes	<u>× No</u>		
EGETATION – Use scientific names of p	lants.				1.1.5		1
20'	Absolute	Dominant Ind	dicator Do	minance Test	worksheet:	-	
P: AUS Conductor	<u>% Cover</u> 70	V F	FAC Th	mber of Domir at Are OBL, FA	ACW, or FAC:	3	_ (A)
				tal Number of	Dominant	7	
			Sp	ecies Across A	Il Strata:	3	_ (B)
		= Total Cover	Pe	rcent of Domir	ant Species	100	(A/E
apling/Shrub Stratum (Plot size:)	and the second second	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	FA. Pr	evalence Inde	x worksheet:		
Lonicura Involuctate		<u>1</u>	ACC -	Total % Cove	er of:	Multiply by:	
Malos tusca		F	ACU OF	BL species	x	1 =	
Selin bookstate	20	VI	FACU FA	CW species _	x	2 =	_
Sally hasternang			FA	C species _	X	3 =	
	27	= Total Cover	FA	CU species _	X	4 =	_
erb Stratum (Plot size:)	Th	N A	AI C	'L species _	X	5 =	- (8)
Carex obrupta		4-0		iumn Totais	(A	1. 1. 1. 1.	— (B)
The second s				Prevalence	Index = B/A =	1. G. K.	
and the second			H)	drophytic Veg	etation Indica	tors:	
	1.1	- 10 K 1	_		st for Hydrophyt	ic Vegetation	
	1 Prov. 14	-1967 F		3 - Prevalence	$\frac{1}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{1}{2} + \frac{1}$	1.	
				4 - Morpholo	nical Adaptation	s <sup>1</sup> (Provide su	nnortin
	h	-	10.00	data in Re	emarks or on a s	separate sheet	:)
		ave. int		5 - Wetland I	Non-Vascular Pl	ants <sup>1</sup>	
D.				Problematic	Hydrophytic Ve	getation <sup>1</sup> (Expl	ain)
1			<sup>1</sup> lr	dicators of hyd	ric soil and wet	and hydrology	must
Voody Vine Stratum (Plot size: 15)	_50	= Total Cover	De	present, unles	s disturbed of p	robiemauc.	
· · · · · · · · · · · · · · · · · · ·		<u> </u>	Hy	drophytic			
· · · · · · · · · · · · · · · · · · ·			Ve   Pi	esent?	Yes X	No	
Bare Ground in Herb Stratum		= 1 otal Cover	1.1				
emarks:							

Due File Dee	orintion: (Dear it	i il s dami	h needed	to docu	ment the	indicator	or confirm	sampling Point: <u>9-7</u>
Profile Des	Cription. (Describe	to the dep	In necuo	Red	ox Featur	es		the absence of indicators.)
(inches)	Color (moist)	%	Color	moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture Remarks
30				1.15				Litter
10-6	54 4/1	00/00	-	1.11	-	-	-	LFS
6-17	EUNIS	90	2.54	413	2	c	M	1.Ex
016	299/2	10		1.2				
1		<u> </u>		1.1				
	7.7				-	1.11		
1.4.4								·
1	1.00							
<sup>1</sup> Type: C=C	Concentration, D=Der	letion, RM=	Reduced	Matrix, C	S=Cover	ed or Coate	ed Sand Gr	rains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all I	RRs, un	less othe	rwise no	ted.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso	I (A1)		X Sand	y Redox (	(S5)			2 cm Muck (A10)
Histic E	pipedon (A2)		Stripp	ed Matrix	(S6)			Red Parent Material (TF2)
Black H	listic (A3)		Loam	y Mucky	Mineral (I	=1) (except	MLRA 1)	Very Shallow Dark Surface (TF12)
Hydrog	en Sulfide (A4)		Loam	y Gleyed	Matrix (F	2)		Other (Explain in Remarks)
Deplete	ed Below Dark Surfac	e (A11)	Deple	eted Matri	x (F3)			비행 동네에서 동물에 많이 다.
Thick D	ark Surface (A12)		Redo	x Dark St	urface (F6	5)		<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy I	Mucky Mineral (S1)		Deple	eted Dark	Surface	(F7)		wetland hydrology must be present,
Sandy	Gleyed Matrix (S4)	Sec. 1	Redo	x Depres	sions (F8	)	25.6	unless disturbed or problematic.
Restrictive	Layer (if present):							
Type:		1.1						
Depth (in	nches):							Hydric Soil Present? Yes _ 🗡 No
Remarks:		1948	1.4		2.6		ter se	A LAND THE REAL PARTY IN
122								
		X.	and the second					ter and the second s
NADAL		-		-		-	1	
HYDROLO	JGY				A. Car		1	
Wetland Hy	ydrology Indicators	12.2.8						
Primary Ind	icators (minimum of	one required	I; check a	I that app	ly)			Secondary Indicators (2 or more required)
X Surface	e Water (A1)		—	Water-Sta	ained Lea	ves (B9) (e	xcept	Water-Stained Leaves (B9) (MLRA 1, 2,
High W	ater Table (A2)			MLRA	1, 2, 4A,	and 4B)		4A, and 4B)
Saturat	ion (A3)			Salt Crus	(B11)	(5.10)		Drainage Patterns (B10)
T Water M	Marks (B1)		—	Aquatic Ir	vertebrat	es (B13)		Dry-Season Water Table (C2)
<u><b>d</b></u> Sedime	ent Deposits (B2)			Hydrogen	Sulfide C	Jdor (C1)		Saturation Visible on Aerial Imagery (C9
Drift De	posits (B3)			Oxidized	Rhizosph	eres along	Living Roo	ots (C3) <u>v</u> Geomorphic Position (D2)
Algal M	at or Crust (B4)			Presence	of Reduc	ed Iron (C4	)	Shallow Aguitard (D3)

差 FAC-Neutral Test (D5)

- Raised Ant Mounds (D6) (LRR A)
- \_\_\_\_ Frost-Heave Hummocks (D7)

Surface Water Present?	Yes X No	Depth (inches): 3		
Saturation Present? (includes capillary fringe)	Yes <u>/</u> No	Depth (inches): <u>500 Pace</u>	_ Wetland Hydrology Present? Yes <u>X</u>	No
Describe Recorded Data (stre	eam gauge, monitori	ng well, aerial photos, previous insp	pections), if available:	

Recent Iron Reduction in Tilled Soils (C6)

Stunted or Stressed Plants (D1) (LRR A)

\_\_\_ Other (Explain in Remarks)

Iron Deposits (B5)

Surface Soil Cracks (B6)

Inundation Visible on Aerial Imagery (B7)

WETLAND DETERMINATION	DATA FOR	M – Wester	n Mountai	ns, Valleys, a	and Coast Re	gion	
Project/Site: W25+Port ): that a	P.	City/County:	west	Port	Sampling Da	te: <u> </u>	-21
Applicant/Owner: State Park		ony/oounty		State: WA	Sampling Poi	int: <u>SP-</u>	AIZ
Investigator(s): P. Hemid!		Section Town	ship, Range:				-
Landform (hillslope terrace etc.): In ford un	sel	Local relief (c	oncave conve	ax none): CON	ver	Slope (%)	31
Subregion (LBR):	Lot	Local feller (c	Lor	a:	1	Datum:	
Sail Man Linit Name: Van LLNG	Lat			NWI class	sification: UPL	and to	•
Are elimetic / hudrologic conditions on the site tunical for		N N	Na	(If no explain i	n Remarks.)		1.2
Are climate / hydrologic conditions on the site typical for	unis ume or yea	arr res <u>v</u>	NO	_ (II no, explaint	s" present? Yes	No	X
Are vegetation, Soli, or Hydrology	_ significantly	disturbed?	Are Norm	al Circumstance	wors in Remarks	)	
Are Vegetation, Soil, or Hydrology	_ naturally pro	blematic?	(If needed	, explain any ans	wers in remarks	.,	
SUMMARY OF FINDINGS – Attach site ma	ap showing	sampling	point locat	ions, transed	cts, importan	t features	i, etc.
Hydrophytic Vegetation Present? Yes	No	is the S	ampled Area	1.5			
Hydric Soil Present? Yes	No X	within	a Wetland?	Yes	No Y	-	12.10
Remarks:	NO Y						
upland hummode on Tra	usef #	1	phote	5 936	.940		
VEGETATION – Use scientific names of pl	ants.		1. 1.		A. S. A.		
Two Shature (Distained 30'	Absolute	Dominant In	dicator Do	minance Test w	orksheet:		
1 Pinos Contexter	us	V F	FAC That	mber of Dominan at Are OBL, FAC	t Species N, or FAC:	2	(A)
2					minant	2	11.0
3.				ecies Across All	Strata:	2	(B)
4			Bo	cent of Dominan	t Species	1-	
15	45	= Total Cover	Tha	at Are OPL, FAC	W, or FAC:	61	(A/B)
Sapling/Shrub Stratum (Plot size:)	Un	VF	AU Pre	valence Index v	vorksheet:		
CULISUS SCOREUS	- 10	$\frac{1}{c}$	DEL -	Total % Cover of	of:M	ultiply by:	-6.1
2 Varcinium Ougtum	10	Ē	ACU OB	L species	x 1 = _		-
4	S. Same		FAC	CW species	×2=_	1.1	-
5.				Species	x 3 =	10 C	÷.,+. ;
	60	= Total Cover		species	X4=_		- L .
Herb Stratum (Plot size:)	10	V D	Col	umn Totals:	X3 = (A)	7.57	- (B)
1. Carex Obaupta			Aru		(v)	1999 B	- (0)
2. Goody era Ob org iton /		H		Prevalence Ind	lex = B/A =		- 10
3	1.1.1	1	Hyc	1 - Rapid Test f	ation indicators:	actation	
4		2 11	1	-2 - Dominance T	Feet is >50%	getation	
5	아버가 비			3 - Prevalence I	ndex is $\leq 3.0^{1}$		
7	1.1.1.11	1.44		4 - Morphologica	al Adaptations <sup>1</sup> (F	Provide supp	orting
8				data in Rema	arks or on a separ	rate sheet)	s.ug
9.			- 1	5 - Wetland Nor	-Vascular Plants		
10	<u></u>			Problematic Hyd	Irophytic Vegetati	ion <sup>1</sup> (Explain	)
11				licators of hydric	soil and wetland l	hydrology m	ust
12	_//:	= Total Cover	De	diesent, uniess u		induo.	
Woody Vine Stratum (Plot size: 17)							
1			Hyd Ved	prophytic netation	1		
2.	0	= Total Cover	Pre	sent?	Yes X No		
% Bare Ground in Herb Stratum $\mathcal{O}$			÷				
Remarks: MOSS - 50%	10	Post in			 *		1

SUL	the meded to document the indicator or confi	rm the absence of Indianters 1
Profile Description: (Describe to the d	Redox Features	absence of indicators.)
(inches) Color (moint) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
2.0		Calder
2-1 201 4/25 100		
2-6 2.59 112.5 The	25, 1/2 7 0	
6-10 2,51 4/2 48	- 6154 412 C M	
10-18 2,54 4/1 93	2,54 1 3 1 C M	
	and the second	
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sand	Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be present,
Bestrictive Laver (if present):	Redox Depressions (F8)	
Tuno:		and a shirt of a state of the
Type.	<del>입 : </del>	Huddia Call Descent 2 Yes No X
Depth (inches):		Hydric Soll Present? Tes No
	ASTRONOM STATES	
IYDROLOGY		
IYDROLOGY Wetland Hydrology Indicators:		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ	ired; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1)	ired; check all that apply) Water-Stained Leaves (B9) (except	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2)	ired; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3)	ired; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion of the second	ired; check all that apply) 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) Drainage Patterns (B10) Dry-Season Water Table (C2)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination (A1)	ired; check all that apply) 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)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)	ired; check ali that apply) 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	<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) pots (C3) Geomorphic Position (D2)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination (A1)	ired; check all that apply) 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)	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) pots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion of the second	ired; check all that apply) 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	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) pots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) S6) FAC-Neutral Test (D5)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requence)         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)	ired; check all that apply) 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 )	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Sots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>A)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul> </li> </ul>
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery	ired; check all that apply) 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 2) (B7) Other (Explain in Remarks)	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)         pots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         26)       FAC-Neutral Test (D5)         A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the requinatio	iried; check all that apply) — 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 1) (B7) — Other (Explain in Remarks) e (B8)	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)         pots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         C6)       FAC-Neutral Test (D5)         A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requesting of the second	ired; check all that apply) 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 2) (B7) Other (Explain in Remarks) e (B8)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the equination of the	irred; check all that apply)	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)         pots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         S6)       FAC-Neutral Test (D5)         A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requesting and the second secon	ired; check all that apply) 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 1) (B7) Other (Explain in Remarks) e (B8) No 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)         pots (C3)         Geomorphic Position (D2)         Shallow Aquitard (D3)         26)         FAC-Neutral Test (D5)         A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requents)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes	irred; check all that apply)	
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requence of the second o	iried; check all that apply)	
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requents)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes	iried; check all that apply)	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)     Saturation Visible on Aerial Imagery (C9)     Shallow Aquitard (D3)     Shallow Aquitard (D3)     FAC-Neutral Test (D5) A)     Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requesting of the second	irred; check all that apply)	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) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) So FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requence of the second s	irred; check all that apply)	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) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Sol FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requence of the second o	irred; check all that apply)	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) oots (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		1 14/			- 1 C	
Project/Site: West Port Light S.P.		I – Wes	tern Mou	Log vet	s, and Coast Re	gion
Applicant/Owner: State Park	C	ity/County	:_Wes	571011	Sampling Da	ate: <u>9-1-21</u>
Investigator(s): P. Hamidi				State: W	Sampling Po	int: 5P-A13
Landform (hillslope, terrace ato); INTER due A	S	ection, To	wnship, Rai	nge:		and the second second
Subregion (LRR):	I	ocal relie	f (concave, o	convex, none):(	CONCAUL	Slope (%): Loud
Soil Map Unit Name: Vacasta	Lat:		1.1.1	Long:		Datum:
Are climatic / hydrologia and iti	-	a section	Acres	NWI cl	lassification: <u>PS</u>	SEF
Are Vegetation	me of yea	r? Yes	No	(If no, explai	in in Remarks.)	
Are Vegetation, Soil, or Hydrology signi	ificantly d	isturbed?	Are "	Normal Circumstan	nces" present? Yes	; No
SUMMARY OF FINDINGS - Attach site man sh	owing		(ii fie	eded, explain any a	answers in Remarks	i.)
Hydrophytic Vegetation Propert2	owing	samplin	ig point le	ocations, trans	sects, importan	t features, etc.
Hydric Soil Present? Yes K No		le th	a Sampled	A		11 S. (237)
Wetland Hydrology Present? Yes X No		with	in a Wetlan	Area Id? Yes	K No	1997 - 19
Remarks: photo3 949-951 W	etter	L it	the	usect #2		
						Sec. Sec. 1
VEGETATION – Use scientific names of plants.			3110	1000	1.	
Tree Stratum (Plot size: 30'	bsolute	Dominant	Indicator	Dominance Test	t worksheet:	
1. Pinos Contorta	IO .	Species?	FAC	Number of Domin	nant Species	3
2	1.1 M	-7	<u></u>	That Are OBL, FA	ACVV, OF FAC:	(A)
3		1.1.1		Total Number of I Species Across A	Dominant All Strata:	3 <sub>(B)</sub>
+	10	= Total Co	wer	Percent of Domin	nant Species	100
Sapling/Shrub Stratum (Plot size: 15)	1.		TOC	Prevalence Indo	ACW, or FAC:	(A/B)
1. Zallik Mookuniana	10	4	PACE	Total % Cove	er of M	ultiply by:
3		-		OBL species	x 1 =	diaply by.
4.	-			FACW species	x 2 =	
5		10.0		FAC species	x 3 =	
<u>-</u> اح	60	= Total Co	ver	FACU species	x 4 =	
Herb Stratum (Plot size:)	40	V	nBi	UPL species _	x 5 =	
1. <u>Care Ostiopia</u>		1-	0100	Column Totals: _	(A)	(B)
3		10.0		Prevalence	Index = B/A =	
4.				Hydrophytic Veg	getation Indicators	
5.	S			2 - Dominance	st for Hydrophytic V	egetation
6			1.11	3 - Prevalence	ce lest is $>50\%$	
7		근영		4 - Morpholo	gical Adaptations <sup>1</sup> (	Provide supporting
8				data in Re	emarks or on a sepa	arate sheet)
9				5 - Wetland N	Non-Vascular Plants	s <sup>1</sup>
10				Problematic I	Hydrophytic Vegeta	tion' (Explain)
11	Mn			be present, unles	inc soil and wetland	hydrology must lematic.
Woody Vine Stratum (Plot size: 15')	<u>• 0</u> _=	Total Cov	ver		1	
2		-		Vegetation	0	
	0 =	Total Cov	ver	Present?	Yes <u>X</u> N	o
% Bare Ground in Herb Stratum					and the second	
W GLEK					7	

Prome Description:	Describe	to the dept	Ded.	ov Ecotures	outor of com	and the absenc	e or indicators.)
Depth	Matrix	0/	Color (moist)	% T	vpe <sup>1</sup> Loc <sup>2</sup>	Texture	
7-0	or (moist)		Color (moloc)		100	1:420	Remarks
- 12	uli		and the second second		100	- LATE	
0.10 104	11	100 -	-			LFS	The second second second
	1000		and the second				
7.2						_	Martha Strand
						-	
					Carl Star	_	
Type: C=Concentra	tion, D=Depl	etion, RM=	Reduced Matrix, C	S=Covered or	Coated Sand	Grains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
lydric Soil Indicato	rs: (Applica	ble to all L	RRs, unless othe	rwise noted.)		Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		1.5.8	Sandy Redox (	S5)		20	m Muck (A10)
Histic Epipedon	(A2)	1	Stripped Matrix	(S6)		Re	d Parent Material (TF2)
Black Histic (A3)		1.7 12	_ Loamy Mucky	Mineral (F1) (e	except MLRA	1) Ve	ry Shallow Dark Surface (TF12)
Hydrogen Sulfide	e (A4)	1. 1. 1.	Loamy Gleyed	Matrix (F2)		Oth	ner (Explain in Remarks)
_ Depleted Below	Dark Surface	(A11)	Depleted Matrix	x (F3)			
_ Thick Dark Surfa	ice (A12)		Redox Dark Su	urface (F6)		<sup>3</sup> Indicat	ors of hydrophytic vegetation and
Sandy Mucky Mi	neral (S1)		_ Depleted Dark	Surface (F7)		wetla	and hydrology must be present,
X Sandy Gleyed M	atrix (S4)		Redox Depress	sions (F8)	1	unle	ss disturbed or problematic.
cestrictive Layer (if	present):					100	
Туре:	-					144.58	$\sim$
Depth (inches):	1 Section of the					Hudrie Soil	Present? Ves A No
Remarks: Soils	p.d u	rder	water				
Remarks: Soils YDROLOGY	p.d u	, rober	water				
Remarks: Soils IYDROLOGY Wetland Hydrology	Pit u	, rober	water				
Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r	P.d.	) NON	water	(y)		Secon	ndary Indicators (2 or more required)
Remarks: Soils	P. d. u.	one required	: check all that appl	ly) ined Leaves (E	39) (except	<u>Secon</u>	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2,
Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water ( High Water Tab	P.d. undicators: ninimum of c A1) le (A2)	) Adar	: check all that appl Water-Sta	ly) ined Leaves (E 1, 2, 4A, and 4	39) (except <b>4B)</b>	Secon	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water ( High Water Tab Saturation (A3)	P. d. C. Indicators: ninimum of c. A1) le (A2)	) Adar	check all that appl Check all that appl Water-Sta MLRA Salt Crust	ly) ined Leaves (E 1, 2, 4A, and 4 (B11)	39) (except 4B)	<u>Secor</u> <u>Secor</u> D	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10)
Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (a High Water Tab Saturation (A3) Water Marks (B)	$p_1 \neq u$ <b>Indicators:</b> <u>ninimum of c</u> A1) le (A2) 1) ib (PC)	ne required	: check all that appl Water-Sta MLRA Salt Crust Aquatic In	ly) ined Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B'	39) (except 4B) 13)	<u>Secon</u> <u>Secon</u> D D	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) rry-Season Water Table (C2)
Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (r High Water Tab Saturation (A3) Water Marks (B Sediment Depose	P. d Indicators: ninimum of c A1) le (A2) 1) sits (B2)	) NON	: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen	ly) ined Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B' Sulfide Odor (i	39) (except 4B) 13) C1)	<u>Secon</u> <u></u> <u></u>	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9)
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Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water ( High Water Tab Saturation (A3) Water Marks (B Sediment Depose Drift Deposits (B Algal Mat or Cru	p, d <b>Indicators:</b> <u>ninimum of c</u> A1) le (A2) 1) sits (B2) (3) st (B4) 5)	one required	: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Bacent for	ly) ined Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B <sup>1</sup> Sulfide Odor (I Rhizospheres a of Reduced Iro in Reduction in	39) (except 4B) 13) C1) along Living Ro on (C4)	<u>Secon</u> <u></u> <u>D</u> D D D D S pots (C3) <u>A</u> G S	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) ieomorphic Position (D2) hallow Aquitard (D3) AC Neutral Tact (DE)
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Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (c High Water Tab Saturation (A3) Water Marks (B Sediment Deposits Drift Deposits (B Algal Mat or Cru Iron Deposits (B Surface Soil Cra	p, d Indicators: ninimum of c A1) le (A2) 1) sits (B2) (3) st (B4) 5) cks (B6) le on Acrial I	magany (87	Check all that appl water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exr	ly) ined Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B' Sulfide Odor (i Rhizospheres a of Reduced Iro on Reduction in Stressed Plan plain in Remer	39) (except 4B) 13) C1) along Living Ro on (C4) n Tilled Soils (( nts (D1) (LRR ks)		Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rrainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hurmoche (D7)
Remarks: Soils IYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (n Surface Water (a) High Water Tab Saturation (A3) Water Marks (B) Sediment Deposits (B) Algal Mat or Cru Iron Deposits (B) Surface Soil Cra Inundation Visib Sparsely Vegeta	P. d Indicators: ninimum of c A1) le (A2) 1) sits (B2) (3) st (B4) 5) cks (B6) le on Aerial I ted Concave	magery (B7	Check all that appl Check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or Other (Exp 8)	ly) ined Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B' Sulfide Odor (i Rhizospheres a of Reduced Iro on Reduction in r Stressed Plan plain in Remark	39) (except 4B) 13) C1) along Living Rd on (C4) n Tilled Soils (C nts (D1) (LRR ks)		Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Trainage Patterns (B10) Try-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) becomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) trost-Heave Hummocks (D7)
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Remarks: Soils HYDROLOGY Wetland Hydrology Primary Indicators (r Surface Water (a) Surface Water Tab Saturation (A3) Water Marks (B) Sediment Deposits (B) Algal Mat or Cru Iron Deposits (B) Surface Soil Cra Inundation Visib Sparsely Vegeta Surface Water Present Saturation Present? includes capillary frii Describe Recorded D	$p_1 \in C$ <b>Indicators:</b> <u>ninimum of c</u> A1) le (A2) 1) sits (B2) (3) st (B4) 5) cks (B6) le on Aerial I ted Concave (A) (A) (A) (A) (A) (A) (A) (A)	magery (B7 es_XN gauge, mor	Check all that appl  Check al	IV) ined Leaves (E 1, 2, 4A, and 4 (B11) vertebrates (B <sup>1</sup> ) Sulfide Odor (i Rhizospheres a of Reduced Iro on Reduction in r Stressed Plan olain in Remark ches): <u>50 40</u> ches): <u>50 40</u> photos, previou	39) (except 4B) 13) C1) along Living Re on (C4) n Tilled Soils (C nts (D1) (LRR ks) <u>Gate</u> We us inspections	Imputite solution         Secon	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Irainage Patterns (B10) Iry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) beomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
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WETLAND DETERMINATION DAT	A FORM – Western Mou	ntains, Valleys, and Coast Region
Project/Site: WistPort Light 3, P.	City/County: West's	Sampling Date: 1 cp
Applicant/Owner: State Park		State: Sampling Point:
Investigator(s): P. Ham.di	Section, Township, Rar	nge:
Landform (hillslope, terrace, etc.): 1Wter dunal	Local relief (concave, c	convex, none): Slope (%):
Subregion (LRR):	Lat:	_ Long: Datum:
Soil Map Unit Name: DUNE Land		NWI classification: Up Ker a
Are climatic / hydrologic conditions on the site typical for this ti	me of year? Yes <u>X</u> No _	(If no, explain in Remarks.)
Are Vegetation Soil or Hydrology sig	nificantly disturbed? Are "I	Normal Circumstances" present? Yes 📈 No
Are Vegetation Soil or Hydrology nat	urally problematic? (If ne	eded, explain any answers in Remarks.)
	owing sampling point lo	ocations, transects, important features, etc.
SUMMARY OF FINDINGS - Attach site map si	lowing sampling point is	
Hydrophytic Vegetation Present?       Yes No         Hydric Soil Present?       Yes No         Wetland Hydrology Present?       Yes No	K     Is the Sampled       K     within a Wetlan	Area d? Yes <u>No X</u>
Remarks: Photes 952 - 955 V	pland ow tran	ised #2
VEGETATION – Use scientific names of plants		
20'	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	70 V FA	Number of Dominant Species <u>5</u> (A)
2		Total Number of Dominant <u> </u>
4	= Total Cover	Percent of Dominant Species75 (A/B)
Sapling/Shrub Stratum (Plot size: 15')	1095 V FAUL	Prevalence Index worksheet:
1. Vaccinium ovatum -	TA V FAUL	Total % Cover of: Multiply by:
2. Morelly Calitornicg	to y price	OBL species x 1 =
3		FACW species x 2 =
4		FAC species x 3 =
5	35 = Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	G N MR.	Column Totals: (A) (B)
1. Cavex obsupta	5 - 010	
2		Prevalence Index = B/A =
3	and the second second	1 - Rapid Test for Hydrophytic Vegetation
4		X 2 - Dominance Test is >50%
5		$3 - Prevalence Index is \leq 3.0^{1}$
6 7		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8		5 Wetland Non-Vascular Plants <sup>1</sup>
9		Problematic Hydrophytic Vegetation <sup>1</sup> (Evolution)
10		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
11	5 = Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)		
1	1.8 %	Hydrophytic
2		Vegetation Present? Yes + No
% Bare Ground in Herb Stratum	= Total Cover	
Remarks:		
M055 502	and the second	

Western Mountains, Valleys, and Coast - Version 2.0

Description: (Describe to the d	epth needed to document the indicator or confi	in the absence of indicators.)
Dopth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type Loc	<u>Texture</u> Remarks
20	and the second	Lidder
6 + 7.54 Whe loc	·	LFS
0-3		LFS
5-18 6.54 4/2 100		
		and the second second second second second
		2 action: PI =Pore Lining M=Matrix
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sand	Indicators for Problematic Hydric Soils <sup>3</sup> :
Hydric Soil Indicators: (Applicable to a	III LRRs, unless otherwise noted.)	2 cm Muck (A10)
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (CTC) Red Parent Material (TF2)
Histic Epipedon (A2)	Stripped Matrix (S6)	New Shallow Dark Surface (TF12)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA	() (Explain in Remarks)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in remainer)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	<sup>3</sup> Indicators of hydrophytic vegetation and
Thick Dark Surface (A12)	Redox Dark Surface (F6)	Indicators of Hydrology must be present.
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetland hydrology must be precent,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless distuibed of problematic.
Restrictive Layer (if present):		
Туре:		No X
Depth (inches):	the second second second second	Hydric Soil Present? Tes No
		· · · · · · · · · · · · · · · · · · ·
HYDROLOGY		1 - State Barrier
HYDROLOGY Wetland Hydrology Indicators:		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ	ired; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 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,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2)	ired; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2,</u> 4A, and 4B)-
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3)	ired; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	<u>Secondary Indicators (2 or more required)</u> <u> </u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)· <u> </u> Drainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ired; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	<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)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ired; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	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)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ired; check all that apply) 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	<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) pots (C3) Geomorphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ired; check all that apply) 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)	<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) pots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 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)	ired; check all that apply) 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	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) pots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (C5) FAC-Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 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)	ired; check all that apply) 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 A	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 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	ired; check all that apply) 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 A (B7) Other (Explain in Remarks)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 	ired; check all that apply) 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 A (B7) Other (Explain in Remarks) e (B8)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations:	ired; check all that apply) 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 (B7) Other (Explain in Remarks) a (B8)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present?	ired; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes	ired; check all that apply)	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)         pots (C3)      Geomorphic Position (D2)        Shallow Aquitard (D3)         26)      FAC-Neutral Test (D5)         A)      Raised Ant Mounds (D6) (LRR A)        Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the equination of the	ired; check all that apply)	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) Shallow Aquitard (D3) Shallow Aquitard (D3) Shallow Aquitard (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Water-Stained Lydrology Present? Yes
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requing)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes	ired; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requing)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Sturation Present?       Yes         Saturation Present?       Yes	ired; check all that apply)	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) Shallow Aquitard (D3) Shallow Aquitard (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Describe Recorded Data (stream gauge, rescribe Recorded Data (stream gauge, rescriberted Data (stream gauge, rescriberted Data (stream gauge, rescriberted Data (stream gauge, rescriberted Data (stream gauge, rescription)	ired: check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Sturation Present?       Yes         Mater Table Present?       Yes         Remarks:       Present	ired; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the second secon	ired; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requited)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Saturation Present?       Yes         Gaturation Present?       Yes         Saturation Present?       Yes         Mater Table Present?       Yes         Staturation Present?       Yes         Mater Table Present?       Yes         Saturation Present?       Yes         Mater Table Present?       Yes         Mater Table Present?       Yes         Remarks:       Remarks:	ired; check all that apply)	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) oots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 26) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) thand Hydrology Present? Yes No K , if available:
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?         Yes         Saturation Present?         Yes         Gaturation Present?         Yes         Saturation Present?         Yes         Saturation Present?         Yes         Mater Table Present?         Yes         Saturation Present?         Yes         Cincludes capillary fringe)         Describe Recorded Data (stream gauge, results)         Remarks:	ired; check all that apply)	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) FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) thand Hydrology Present? Yes No X

WETLAND DETERMINATION D	ATA FORM -	Western Mou	ntains, Valleys, and Coast Region
Project/Site: WestPort Light 5.	P city/C	County: Wes	Port Sampling Date:
Applicant/Owner: State Park		A	State: WA_ Sampling Point: SP- A15
Investigator(s): P, Hamidi	Secti	on, Township, Ra	nge:
Landform (hillslope, terrace, etc.): Inferdung	Loca	I relief (concave,	convex, none): CONCAUZ Slope (%):
Subregion (LRR):	Lat:		_ Long: Datum:
Soil Map Unit Name: Yaquina			NWI classification: PFO/EMIC
Are climatic / hydrologic conditions on the site typical for th	nis time of year? Y	res K No_	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly distur	rbed? Are	"Normal Circumstances" present? Yes 📉 No
Are Vegetation, Soil, or Hydrology	naturally problem	atic? (If ne	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing san	npling point l	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?       Yes       X         Hydric Soil Present?       Yes       X         Wetland Hydrology Present?       Yes       X	No No No	Is the Sampled within a Wetlar	I Area nd? Yes <u>X</u> No
Remarks: Photos 964-967	1	ect #3	
Wetland A	on trans		
VEGETATION – Use scientific names of pla	nts.		
Trac Stratum (Plat size: 20/	Absolute Don	ninant Indicator	Dominance Test worksheet:
1 PINUS CONTOXES	Cover Spe	FAC	Number of Dominant Species 7 That Are OBL_EACW or EAC: (A)
2.		<u> </u>	
3.			Species Across All Strata: (B)
4			Percent of Dominant Species
	= To	tal Cover	That Are OBL, FACW, or FAC: 100 (A/B)
A ROSA NUHRANA		FAC	Prevalence Index worksheet:
2 Morelly Californica		1 FACW	Total % Cover of: Multiply by:
3. LONICEVE Involverate		FAC	OBL species x 1 =
4.		- 1- Ger ()	FACW species x 2 =
5			FAC species $x_3 = $
II.	= To	tal Cover	IPI species x5=
Herb Stratum (Plot size:	70 4	OBL	Column Totals: (A) (B)
1. Carek Ophophy		1 1 1 H K K K	
2			Prevalence Index = B/A =
4	1 . El 11		1 - Ranid Test for Hydrophytic Vegetation
5.			✓ 2 - Dominance Test is >50%
6.			$3 - Prevalence Index is \leq 3.0^{1}$
7			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
9		align states of	5 - Wetland Non-Vascular Plants'
10			Problematic Hydrophytic Vegetation' (Explain)
11	= Tof	al Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 15)			
1			Hydrophytic
2	- <u></u>		Present? Yes X No
% Bare Ground in Herb Stratum <u>10</u>	= Tot	tal Cover	1
Remarks:			
			×

SOIL

Profile Descr	iption. (Describe	to the dep	in needed to docum		inuicator	or commin	i the absence of indic	ators.)	
Depth	Matrix		Redox	Feature	s 1	1.2	÷		
(inches)	Color (moist)	%	Color (moist)	%		Loc		Remarks	
3-0				-			HITTY .	1000 - 100 - 100 - 100	4.
0-5	2,544/1	48	104R 4/3	2	<u> </u>	M	LFS		
5-16	54 4/1	93	104R414	7	C	m	LFS		
		-		-			de la competencia de la compet		
							the second s		
			Survey and Survey Street St	-					
<sup>1</sup> Type: C=Co	ncentration, D=Dep	oletion, RM	=Reduced Matrix, CS	=Covere	d or Coate	ed Sand Gra	ains. <sup>2</sup> Location: P	L=Pore Lining, M	Matrix.
Hydric Soil Ir	ndicators: (Applic	able to all	LRRs, unless other	wise not	ed.)		Indicators for P	roblematic Hydri	c Soils":
Histosol (	(A1)		X Sandy Redox (S	65)			2 cm Muck (	A10)	
Histic Epi	ipedon (A2)		Stripped Matrix	(S6)			Red Parent I	Material (TF2)	10
Black His	stic (A3)		Loamy Mucky M	lineral (F	1) (excep	t MLRA 1)	Very Shallov	/ Dark Surface (1)	-12)
- Hydroger	n Suitide (A4) Bolow Dork Surfac	0 (011)	Loamy Gleyed	Matrix (F2	2)		Other (Expla	in in Remarks)	
Depieted	rk Surface (A12)	Je (ATT)	Depieted Watnx	(FS) face (E6)			<sup>3</sup> Indicators of hyp	ronhytic vegetatio	n and
Sandy M	ucky Mineral (S1)		Depleted Dark Su	Surface (	=7)		wetland hydro	loav must be pres	ent.
Sandy G	leved Matrix (S4)		Redox Depressi	ions (F8)	.,		unless disturb	ed or problematic.	
Restrictive L	ayer (if present):						1		1. 1
Type:	14						and a second		
Depth (inc	ches):	1					Hydric Soil Present	7 Yes X	No
Remarks:				-					
				1.1.1.1.1.1		A			
HYDROLO Wetland Hyd	GY drology Indicators					<u>.</u>			1
HYDROLO Wetland Hyc Primary Indic	GY drology Indicators ators (minimum of	: one require	d; check all that apply	<i>v</i> )		<u> </u>	Secondary Indi	cators (2 or more	required)
HYDROLO Wetland Hyd Primary Indic	<b>GY</b> drology Indicators eators (minimum of Water (A1)	:: one require	ed; check all that apply	γ) Ined Leav	ves (B9) (e	except	<u>Secondary Indi</u> Water-Stai	cators (2 or more ned Leaves (B9) (	required) MLRA 1, 2,
HYDROLO Wetland Hyc Primary Indic Surface	<b>GY</b> drology Indicators ators (minimum of Water (A1) ter Table (A2)	:: one require	ed; check all that apply Water-Stai MLRA	y) Ined Leav 1, 2, 4A,	ves (B9) (e and 4B)	except	<u>Secondary Indi</u> Water-Stai 4A, and	cators (2 or more ned Leaves (B9) ( i 4B)	required) MLRA 1, 2,
HYDROLO Wetland Hyc Primary Indic Surface	<b>GY</b> drology Indicators <u>sators (minimum of</u> Water (A1) ter Table (A2) on (A3)	: one require	ed; check all that apply Water-Stai MLRA Salt Crust	y) ned Leav 1, 2, 4A, (B11)	ves (B9) (e and 4B)	except	<u>Secondary Indi</u> Water-Stai <b>4A, and</b> Drainage F	cators (2 or more ned Leaves (B9) ( 1 4B) Patterns (B10)	required) MLRA 1, 2,
HYDROLO Wetland Hyd Primary Indic Surface V High Wal Saturatio Water Ma	GY drology Indicators rators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1)	: one require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv	y) ned Leav 1, 2, 4A, (B11) vertebrate	ves (B9) (e and 4B) es (B13)	except	<u>Secondary Indi</u> <u></u> Water-Stai <b>4A, and</b> Drainage F <u></u> Dry-Seaso	cators (2 or more ned Leaves (B9) ( <b>1 4B)</b> Patterns (B10) n Water Table (C2	required) MLRA 1, 2, 2)
HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sedimen	GY drology Indicators rators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2)	:: one require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen	y) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide O	ves (B9) (e and 4B) es (B13) dor (C1)	xcept	<u>Secondary Indi</u> <u>Vater-Stai</u> <b>4A, and</b> Drainage F Dry-Seaso Saturation	cators (2 or more ned Leaves (B9) ( 1 4B) Patterns (B10) n Water Table (C2 Visible on Aerial I	required) MLRA 1, 2, 2) magery (C9)
HYDROLOO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep	GY drology Indicators eators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) nosits (B3)	: one require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe	ves (B9) (e and 4B) es (B13) dor (C1) eres along	except	<u>Secondary Indi</u> Water-Stai 4A, and Drainage F Dry-Seaso Saturation ts (C3) _X Geomorph	cators (2 or more ned Leaves (B9) ( 1 4B) Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2)	required) MLRA 1, 2, 2) magery (C9)
HYDROLOO Wetland Hyd Primary Indic Surface V High War Saturatio Water Ma Sedimen Drift Dep Algal Ma	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) nosits (B3) t or Crust (B4)	one require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O khizosphe of Reduce	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C-	except Living Roof 4)	<u>Secondary Indi</u> <u></u> Water-Stai 4A, and <u></u> Drainage F <u></u> Dry-Seaso <u></u> Saturation ts (C3) <u>↓</u> Geomorph <u></u> Shallow A	cators (2 or more ned Leaves (B9) ( <b>1 4B)</b> Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3)	required) MLRA 1, 2, 2) magery (C9)
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HYDROLOO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Saturatio Drift Dep Algal Ma Iron Dep Surface S Inundatic Sparsely Field Observ	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations:	in in agery (E ve Surface (	ed; check all that apply Water-Stai MLRA * Salt Crust Aquatic Imp Hydrogen * Oxidized R Presence of Recent Iron Stunted or 87) Other (Exp (B8)	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct n Reduct Stressec olain in Re	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks)	Except Living Roof 4) d Soils (C6) 11) (LRR A)	Secondary Indi         Water-Stai         4A, and         Drainage F         Dry-Seaso         Saturation         ts (C3)       X Geomorph         Shallow A         )       X FAC-Neut         Raised An         Frost-Hea	cators (2 or more ned Leaves (B9) ( 4 <b>4B)</b> Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF ve Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) )
HYDROLOO Wetland Hyc Primary Indic Surface V High Wal Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatic Sparsely Field Observ Surface Wate	GY prology Indicators rators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present?	Imagery (E ve Surface	ed; check all that apply 	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O chizosphe of Reduce n Reduct Stressec olain in Re-	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks)	Except Living Roof 4) d Soils (C6) 91) (LRR A)	<u>Secondary Indi</u> Water-Stai Drainage F Dry-Seaso Saturation ts (C3) _X Geomorph Shallow A Shallow A )X FAC-Neut	cators (2 or more ned Leaves (B9) ( <b>1 4B)</b> Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF we Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) 7)
HYDROLOO Wetland Hyd Primary Indic Surface V High Wal Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water	GY prology Indicators pators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) posits (B3) t or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: present?	Imagery (E ve Surface of Yes Yes	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Stunted or Stunted or Other (Exp (B8) No Depth (inc	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct Stressec of Reduct Stressec of an Reduct Stressec ches): ches):	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks)	Except Living Roof 4) d Soils (C6) (1) (LRR A)	<u>Secondary Indi</u> Water-Stai 4A, and Drainage F Dry-Seasc Saturation ts (C3) _X Geomorph Shallow A )X FAC-Neut Raised An Frost-Hea	cators (2 or more ned Leaves (B9) ( <b>1 4B)</b> Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF ve Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) ()
HYDROLOO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Prr (includes can	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) nosits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present? Present? illary fringe)	Imagery (E ve Surface o Yes Yes X Yes X	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Irou Stunted or Stunted or Other (Exp (B8) No <u>V</u> Depth (ino No Depth (ino	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct n Reduct Stressec ches): ches): ches):	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks) 3 C C ACC	Living Roof 4) d Soils (C6) 1) (LRR A)	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seaso Saturation ts (C3) X Geomorph Shallow A } X FAC-Neut D Raised An Frost-Hea and Hydrology Preser	cators (2 or more ned Leaves (B9) ( 44B) Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF we Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) 7)
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HYDROLOO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Pr (includes cap Describe Rec	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) nosits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present? Present? eresent? borded Data (stream	Imagery (E ve Surface of Yes Yes Yes Yes	ed; check all that apply 	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct n Reduct Stressec ches): ches): ches): bhotos, p	revious ins	Except Living Rood 4) d Soils (C6) 11) (LRR A) Utilize Spections), i	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seasc Saturation ts (C3) _X Geomorph Shallow A Shallow A Shallow A Shallow A Shallow A FAC-Neut Raised An Frost-Hea and Hydrology Presen if available:	cators (2 or more ned Leaves (B9) ( <b>14B)</b> Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF we Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) () No
HYDROLOO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Vater Table I Saturation Prr (includes cap Describe Rec	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) nosits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present? Present? esent? illary fringe) corded Data (stream	Imagery (E ve Surface o Yes Yes X n gauge, m	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Stunted or 37) Other (Exp (B8) No <u>2</u> Depth (inc No Depth (inc onitoring well, aerial p	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O Rhizosphe of Reduct n Reduct Stressec blain in Re- ches): ches): ches): ches):	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks) 3 o C face revious ins	Except Living Root 4) d Soils (C6) 01) (LRR A) (LRR A) (URR A) (URR A)	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seaso Saturation ts (C3) _X Geomorph Shallow A Shallow A FAC-Neut Raised An Frost-Hea and Hydrology Preser if available:	cators (2 or more ned Leaves (B9) ( 44B) Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF we Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) 7) No
HYDROLOO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Pr (includes cap Describe Reco	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present? Present? essent? illary fringe) corded Data (stream	Imagery (E ve Surface o Yes Yes Yes n gauge, m	ed; check all that apply 	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O chizosphe of Reduct n Reduct Stressec olain in Re ches): ches): ches): ches):	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks) 3 u € € CC revious ins	Except Living Root 4) d Soils (C6) 01) (LRR A) UN (LRR A) Wetla spections), i	Secondary Indi     Water-Stai     4A, and     Drainage F     Dry-Seaso     Saturation     ts (C3)	cators (2 or more ned Leaves (B9) ( 4 4B) Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF ve Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) )
HYDROLOO Wetland Hyc Primary Indic Surface V High War Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatic Sparsely Field Observ Surface Water Water Table I Saturation Pr (includes cap Describe Reco	GY drology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) oosits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present? Present? present? corded Data (stream	Imagery (E ve Surface of Yes Yes _K Yes _K Yes _K n gauge, m	ed; check all that apply 	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O chizosphe of Reduce n Reduct Stressee olain in Re- ches): ches): ches): ches): ches):	res (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C- ion in Tille I Plants (D emarks) 3 0 C ACC revious ins	Except Living Roof 4) d Soils (C6) 11) (LRR A) Wetla spections), i	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seaso Saturation ts (C3) _X Geomorph Shallow A ) _X FAC-Neut Raised An Frost-Hea and Hydrology Present if available:	cators (2 or more ned Leaves (B9) ( 4 4B) Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF ve Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) ()
HYDROLOO Wetland Hyd Primary Indic Surface N High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Pr (includes cap Describe Reco	GY brology Indicators ators (minimum of Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) tor Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial Vegetated Concav vations: er Present? Present? brorded Data (stream	Imagery (E ve Surface ( Yes <u>Y</u> es <u>Y</u> es <u>Y</u>	ed; check all that apply 	y) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O chizosphe of Reduct Stressec Jain in Re- ches): ches): ches): chotos, p	revious ins	Except Living Rood 4) d Soils (C6) 11) (LRR A) Wetla	Secondary Indi Water-Stai 4A, and Drainage F Dry-Seasc Saturation ts (C3) ⊥ Geomorph Shallow A by FAC-Neut Raised An Frost-Hea and Hydrology Presen if available:	cators (2 or more ned Leaves (B9) ( 4 4B) Patterns (B10) n Water Table (C2 Visible on Aerial I ic Position (D2) quitard (D3) ral Test (D5) t Mounds (D6) (LF we Hummocks (D7	required) MLRA 1, 2, 2) magery (C9) RR A) () No

nlicant/Ouman 6 + + P D VK	- Only C	,ounty:	State: 1111A Samplin	a Point: SPAIL
Pincanto Wiler: Starte Fairs	0		State Sampin	grount.
adiam (till and the second sec	Jel Secti	on, Township, Ra	nge	Since (9) 2
nororm (hillslope, terrace, etc.):	Loca	il relief (concave,	convex, none): <u>CONVEX</u>	Slope (%):
bregion (LRR):	Lat:		_ Long:	Datum:
I Map Unit Name: Yaaon Ma	and the second second		NWI classification:	Upland
climatic / hydrologic conditions on the site typical for	this time of year? Y	res K No	(If no, explain in Remarks.)	
Vegetation, Soil, or Hydrology	_ significantly distur	bed? Are	"Normal Circumstances" present?	Yes X No
Vegetation, Soil, or Hydrology	_ naturally problem	atic? (If ne	eeded, explain any answers in Rem	narks.)
IMMARY OF FINDINGS - Attach site ma	p showing san	npling point l	ocations, transects, impor	tant features, etc.
vdrophytic Vegetation Present? Yes	No		CONTRACTOR OF THE OWNER	Sector Sector
ydric Soil Present? Yes	No X	Is the Sampled	l Area	~
etland Hydrology Present? Yes	No X	within a Wetlan	nd? Yes No	<u>_</u>
emarks: photos Q1-8-970				
120/2-1 1 1/2	12 11	it and		
Chard of traveet	- # 5 W	st era		and the second second second
GETATION – Use scientific names of pla	ants.			and the second
a Stratum (Plot size: 30')	Absolute Dor	ninant Indicator	Dominance Test worksheet:	2
Pious Contrata	% Cover spe	A FAC	Number of Dominant Species	3 (A)
		<u>+ 1115</u>		()
- Charles and the second second second			Total Number of Dominant Species Across All Strata:	Ч (В)
			Description of Description	
15	60 = To	tal Cover	That Are OBL, FACW, or FAC:	75 (A/B)
pling/Shrub Stratum (Plot size:	20 1	1 EAC	Prevalence Index worksheet:	
MOY2K Calitornica	- 20	PACie	Total % Cover of:	Multiply by:
Till aquitolium	- <u>Marc</u>	PAGE	OBL species x	1 =
Vaccinium ougtum	_ 10 - 1		FACW species x	2 =
			FAC species x	3 =
	- 20		FACU species x	4 =
rb Stratum (Plot size: 5)	= 10	ital Cover	UPL species x	5 =
Carex Obnueta	10	Y DB1	Column Totals: (A	.) (B)
			Prevalence Index = B/A =	
			Hydrophytic Vegetation Indica	itors:
	<u> </u>		1 - Rapid Test for Hydrophy	tic Vegetation
			X 2 - Dominance Test is >50%	6
			3 - Prevalence Index is ≤3.0	1
and the second field of the second			4 - Morphological Adaptation	ns <sup>1</sup> (Provide supporting
			data in Remarks or on a	separate sheet)
			5 - Wetland Non-Vascular P	lants'
			Problematic Hydrophytic Ve	getation' (Explain)
			be present, unless disturbed or	land hydrology must problematic.
			,	
$\sim$		tal Cover		
body Vine Stratum (Plot size:)	= Tot	tal Cover	Undeenhadie	1
  oody Vine Stratum (Plot size:15')	<u> </u> 0_= Tol	tal Cover	Hydrophytic Vegetation	×
body Vine Stratum (Plot size: <u>15</u> 1)		al Cover	Hydrophytic Vegetation Present? Yes	No

Depth <u>Matri</u>	(	Redox	Features	1 - 2	Tauture	Description
Color (moist)	%	Color (moist)	<u>% Type'</u>		Littler	Remarks
0-8 7.54 4/2	100	-			LFS	
3-16 2,544/2	. 95	2,544/3	5 C	M	LFS	
						·
Type: C=Concentration, D=E	epletion, RN	I=Reduced Matrix, CS	=Covered or Coa	ed Sand G	rains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
Histosol (A1)		Sandy Redox (S	(5)		2 cr	m Muck (A10)
Histic Epipedon (A2)		Stripped Matrix	(S6)		Z Ci	Parent Material (TF2)
Black Histic (A3)		Loamy Mucky M	lineral (F1) (exce	ot MLRA 1)	Ver	y Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)		Loamy Gleyed N	Aatrix (F2)	,	Oth	er (Explain in Remarks)
_ Depleted Below Dark Sur	face (A11)	Depleted Matrix	(F3)			
_ Thick Dark Surface (A12)		Redox Dark Sur	face (F6)		<sup>3</sup> Indicate	ors of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1	)	Depleted Dark S	Surface (F7)		wetla	and hydrology must be present,
Sandy Cloyed Matrix (SA	100 PT	Redox Depressi	ons (F8)		unles	ss disturbed or problematic.
Sandy Sieyed Matrix (34 estrictive Layer (if present Type:	):			17.7	1	~
Control of the second sec	):				Hydric Soil	Present? Yes No X
<u>Control of the second second</u>	):				Hydric Soil	Present? Yes <u>No X</u>
<u>     Control of the sector o</u>	):				Hydric Soil	Present? Yes No X
Control of the second sec	): rs: of one requir	ed; check all that apply	)		Hydric Soil	Present? Yes No X
	): Ins: of one require	ed; check all that apply	/) ned Leaves (B9) (	except	Hydric Soil	Present? Yes No X
Salidy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Remarks:  YDROLOGY  Vetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2)	): Ins: of one require	ed; check all that apply Water-Stai MLRA	/) ned Leaves (B9) ( 1, 2, 4A, and 4B)	except	Hydric Soil	Present? Yes No X
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Surface Water (A1)     Surface Water (A3)     Water Marks (B1)	): rs: of one requir	ed: check all that apply Water-Stai Vater-Stai Salt Crust Aquatic Inv	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) rertebrates (B13)	except	Hydric Soil	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Surface Water (if present Type: Depth (inches): Remarks:      YDROLOGY      Vetland Hydrology Indicator     Crimary Indicators (minimum     Surface Water (A1)     High Water Table (A2)     Saturation (A3)     Water Marks (B1)     Sediment Deposits (B2)	): Ins: of one require	ed: check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1)	except	Hydric Soil	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS
Salidy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Remarks:  YDROLOGY  Vetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	): Ins: of one requir	ed; check all that apply Water-Stai Water-Stai Salt Crust Aquatic Inv Hydrogen 3 Oxidized R	/) ned Leaves (B9) ( 1, 2, 4A, and 4B) (B11) rertebrates (B13) Sulfide Odor (C1) thizospheres along	except g Living Roc	Hydric Soil	Present? Yes <u>No X</u> <u>ndary Indicators (2 or more required)</u> Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Seomorphic Position (D2)
Salidy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Remarks:      YDROLOGY      Vetland Hydrology Indicato Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	): rs: of one requir	ed; check all that apply Water-Stai Salt Crust Salt Crust Aquatic Inv Hydrogen S Oxidized R Presence of	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) rertebrates (B13) Sulfide Odor (C1) thizospheres alon of Reduced Iron (C	except g Living Roc 24)	Hydric Soil	Present? Yes <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u> <u>No</u>
Surface Water (A1)     Surface Water (A1)     Surface Water (A1)     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)	): Irs: of one requir	ed: check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen s Oxidized R Presence o Recent Iron	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B</b> ) (B11) rertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C n Reduction in Till	except g Living Roc 24) ed Soils (Cf	Hydric Soil Hydric Soil Secon V Sots (C3) C Sots (C3) S D F	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C8 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Suffict Velocities (S4     Restrictive Layer (if present     Type:     Depth (inches):     Remarks:      YDROLOGY      Wetland Hydrology Indicate     Primary Indicators (minimum     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 Action	): Ins: of one requir	ed: check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Irou Stunted or	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C n Reduction in Till Stressed Plants ( login in Research)	except g Living Roc 24) ed Soils (C6 D1) (LRR A	Hydric Soil Hydric Soil Secon V Sots (C3) C S ots (C3) C S _	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Saindy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Depth (inches): Remarks:   YDROLOGY  Vetland Hydrology Indicato Primary Indicators (minimum 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 Aei Sparsely Vegetated Com Side Observations:	): rs: of one requir ial Imagery (l rave Surface	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence o Recent Iron Stunted or B7) Other (Exp (B8)	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres alone of Reduced Iron (C n Reduction in Till Stressed Plants ( lain in Remarks)	except 2 Living Roc 24) ed Soils (C6 D1) (LRR A	Hydric Soil Hydric Soil Secon 	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Secomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Saindy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Depth (inches): Remarks:       YDROLOGY      Wetland Hydrology Indicato     Primary Indicators (minimum 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 Aer Sparsely Vegetated Come "ield Observations: Surface Water Present?	ial Imagery (lave Surface	ed: check all that apply Water-Stai Salt Crust Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence 0 Recent Iron Stunted or B7) Other (Exp (B8)	() ned Leaves (B9) ( <b>1, 2, 4A, and 4B</b> ) (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C n Reduction in Till Stressed Plants ( lain in Remarks)	except g Living Roc 24) ed Soils (C6 D1) (LRR A	Hydric Soil Hydric Soil Secon Secon 	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Secomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Salidy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Remarks:      YDROLOGY      Wetland Hydrology Indicate Primary Indicators (minimum 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 Aei Sparsely Vegetated Com Field Observations: Surface Water Present? Nater Table Present?	ial Imagery (I ave Surface Yes	ed: check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen S Oxidized R Presence o Recent Irou Stunted or B7) Other (Exp (B8) Depth (inc No Depth (inc	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C n Reduction in Till Stressed Plants ( lain in Remarks) ches):	except g Living Roc 24) ed Soils (C6 D1) (LRR A	Hydric Soil	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Sandy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Remarks:      YDROLOGY      Wetland Hydrology Indicate Primary Indicators (minimum 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 Aei Sparsely Vegetated Come Field Observations: Surface Water Present? Nater Table Present? Saturation Present?	ial Imagery (leave Surface Yes Yes	ed; check all that apply — Water-Stai MLRA — Salt Crust — Aquatic Inv — Hydrogen 3 — Oxidized R — Presence 0 — Recent Irou — Stunted or B7) — Other (Exp (B8) No — Depth (inc No — Depth (inc No — Depth (inc	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) chizospheres along of Reduced Iron (C in Reduction in Till Stressed Plants ( lain in Remarks) ches): ches):	except g Living Roc (4) ed Soils (C6 D1) (LRR A	Hydric Soil	Present? Yes No X
Salidy Gleyed Matrix (34 Restrictive Layer (if present Type: Depth (inches): Remarks:      YDROLOGY      Vetland Hydrology Indicato     Primary Indicators (minimum     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 Aei     Sparsely Vegetated Com     Sider Com     Surface Water Present?     Vater Table Present?     Vater Table Present?     Saturation Present?     Saturation Present?	ial Imagery (l ave Surface Yes Yes Yes	ed; check all that apply — Water-Stai MLRA — Salt Crust — Aquatic Inv — Hydrogen 3 — Oxidized R — Presence 0 — Recent Iron — Stunted or B7) _ Other (Exp (B8) No _ Depth (inc No _ Depth (inc	/) ned Leaves (B9) ( <b>1, 2, 4A, and 4B)</b> (B11) vertebrates (B13) Sulfide Odor (C1) thizospheres along of Reduced Iron (C n Reduction in Till Stressed Plants ( lain in Remarks) ches): ches): ches):	except civing Roc 24) ed Soils (C6 D1) (LRR A	Hydric Soil Hydric Soil Secon 	Present? Yes No X ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Present? Yes No X

WETLAND DETERMINATION DATA FORM – Western M	Iountains, Valleys, and Coast Region
Project/Site: W23+Port Light S.P. city/County_W	estport sampling Date: 4-1-2/
Applicant/Owner: State Park	State: WA Sampling Point: SP-A17
Investigator(s): P. Hamidi Section, Township	, Range:
Landform (hillslope, terrace, etc.): INTUR durg Local relief (conca	ave, convex, none): Concast Slope (%): Lavel
Subregion (LRR): A	Long: Datum:
Soil Man Linit Name: DUNE Land	NWI classification: PFO/EMIC
Are climatic / hydrologic conditions on the site typical for this time of year? Yes X	vo (If no, explain in Remarks.)
Are Venetation Soil or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes X No
Are Vegetation Soil or Hydrology naturally problematic?	(If peeded explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling poi	nt locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	pled Area
Wetland Hydrology Present? Yes X No within a W	etland? Yes <u>X</u> No
Remarks: Oh da ( G 72 G 74	
Phogos 912-110	ent 44 4
Wettend A GIT East and of Trans	
VEGETATION – Use scientific names of plants.	
Tree Stratum (Plot size: 30) Absolute Dominant Indica	tor Dominance Test worksheet:
1. Pinus contorta 60 V FA	C That Are OBL, FACW, or FAC: (A)
2	Total Number of Dominant
3	Species Across All Strata: (B)
4	Percent of Dominant Species
Sanling/Shruh Stratum (Plot size: 15 )	That Are OBL, FACW, or FAC: 100 (A/B)
1 Lonicera Involucrata 10 Y FA	C Prevalence Index worksheet:
2 Alnus Yubra 5 Y FA	C
3. Picea Sitchensis 1 Fit	C OBL species X1 =
4. Vaccinion oughum	EAC species x3 =
5	FACU species x 4 =
Herb Stratum (Plot size: $5'$ ) = Total Cover	UPL species x 5 =
1 Caver Obmota 60 V 6BI	Column Totals: (A) (B)
2	Prevalence Index = B/A =
3	Hydrophytic Vegetation Indicators:
4	1 - Rapid Test for Hydrophytic Vegetation
5	— ¥ 2 - Dominance Test is >50%
6	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7	4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
8	5 - Wetland Non-Vascular Plants <sup>1</sup>
9	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11.	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
(-1) $(0)$ = Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)	
1	Hydrophytic
2 O	Present? Yes X No
% Bare Ground in Herb Stratum	
Remarks:	
	-

C	n	П	
Э	U	L	L

Profile Description: (Describe to the	depth needed to document th	le indicator	or commin	the absence of	indicators.)
Depth Matrix	Redox Featu	ures	1.2	Test	
<u>(inches)</u> <u>Color (moist)</u> <u>%</u>	Color (moist) %	Type	Loc		Remarks
				croger _	and the second se
0-5 2,5441 99	5 CISY 413 C	<u> </u>	<u>n</u>	LPS_	
5-16 2.54 4.5/1 7.	5 7,5VR 114 25	<u> </u>	m	LPS	
				S	
'Type: C=Concentration, D=Depletion	RM=Reduced Matrix, CS=Cove	ered or Coate	d Sand Gr	ains. <sup>2</sup> Locati	on: PL=Pore Lining, M=Matrix.
Historel (A1)	o all LRRs, unless otherwise r	noted.)		Indicators	for Problematic Hydric Soils":
Histosol (A1) Histic Eninedon (A2)	Sandy Redox (S5)			2 cm M	uck (A10) rept Material (TE2)
Black Histic (A3)	Loamy Mucky Mineral	(F1) (excent	MIRA 1)	Keu Fa	nallow Dark Surface (TE12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix	(F2)		Other (	Explain in Remarks)
Depleted Below Dark Surface (A1	Depleted Matrix (F3)		- 10	_	
Thick Dark Surface (A12)	Redox Dark Surface (I	=6)		<sup>3</sup> Indicators of	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface	e (F7)		wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F	8)		unless di	sturbed or problematic.
Type:				Sec. 1	
Depth (inches):				Hudele Call Day	and you of the
Bomarka:			S	Hydric Soll Pre	sent? fes <u>/</u> No
HYDROLOGY					
HYDROLOGY Wetland Hydrology Indicators:					
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re	quired; check all that apply)			Secondar	y Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1)	quired; check all that apply)	eaves (B9) (e	xcept	<u>Secondar</u> K Wate	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2)	guired; check all that apply) Water-Stained Le MLRA 1, 2, 4/ Solt Cruct (B11)	eaves (B9) (e: A, and 4B)	xcept	<u>Secondar</u> X Wate 4/	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	guired; check all that apply) Water-Stained Le MLRA 1, 2, 4/ Salt Crust (B11)	eaves (B9) (e: A, and 4B)	xcept	<u>Secondar</u> X_Wate Drain	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Denosits (B2)	guired; check all that apply) Water-Stained Le MLRA 1, 2, 4, Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide	eaves (B9) (e: A, and 4B) ates (B13)	xcept	<u>Secondar</u> _K Wate 44 Drain Dry-5 Satur	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagen; (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	quired; check all that apply) Water-Stained Le MLRA 1, 2, 4/ Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosc	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along	xcept	<u>Secondar</u> K Wate Drain Dry-S Satur ts (C3)	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9) porphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	guired; check all that apply) Water-Stained Lec MLRA 1, 2, 4/ Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redu	eaves (B9) (e A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4	xcept Living Roo	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3) ↓ Geor Shall	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bow Aquitard (D3)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one re         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)	<u>quired; check all that apply)</u> Water-Stained Le MLRA 1, 2, 4/ Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu	eaves (B9) (e. A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled	xcept Living Root ) d Soils (C6)	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3) Geor Shall )FAC-	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) bow Aquitard (D3) Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re 	guired; check all that apply) Water-Stained Le MLRA 1, 2, 4 Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilleo ad Plants (D	xcept Living Root ) d Soils (C6 1) (LRR A)	<u>Secondar</u> Wate Drain Dry-S Satur ts (C3) Geor Shall )FAC-	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) season Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one re 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 Image	auired; check all that apply) Water-Stained Le MLRA 1, 2, 4/ Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress ry (B7) Other (Explain in	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled action in Tilled Remarks)	xcept	<u>Secondar</u> Wate Drain Dry-S Satur ts (C3) Geor Shall )FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Geason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one regimer of the second	guired; check all that apply) — Water-Stained Lec MLRA 1, 2, 4/ — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Redu — Recent Iron Redu — Stunted or Stress ry (B7) — Other (Explain in ace (B8)	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled uced Plants (D Remarks)	xcept Living Roof ) d Soils (C6) 1) (LRR A)	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3) ↓ Geor Shall ) FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one re         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 Image         Sparsely Vegetated Concave Surf         Field Observations:	Quired; check all that apply) — Water-Stained Le MLRA 1, 2, 4/ — Salt Crust (B11) — Aquatic Invertebr — Hydrogen Sulfide — Oxidized Rhizosp — Presence of Redr — Recent Iron Redu — Stunted or Stress ry (B7) — Other (Explain in ace (B8)	eaves (B9) (e. A, and 4B) ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Tilled and Plants (D Remarks)	xcept Living Root ) d Soils (C6 1) (LRR A)	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3) ↓ Geor Shall ) ↓ FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one registry indicators (minimum of one registry indicators)         Surface Water (A1)         ¥ High Water Table (A2)         X Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?	uired; check all that apply) Water-Stained Le MLRA 1, 2, 4// Salt Crust (B11) Aquatic Invertebr Hydrogen Sulfide Oxidized Rhizosp Presence of Redu Recent Iron Redu Stunted or Stress ry (B7) Other (Explain in ace (B8)	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilleo aed Plants (D Remarks)	xcept	<u>Secondar</u> Wate Drain Dry-S Satur ts (C3) Geor Shall ) FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9) norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one regenerations:         Surface Water (A1)         Y       High Water Table (A2)         X       Saturation (A3)         Water Marks (B1)       Sediment Deposits (B2)         Drift Deposits (B3)       Algal Mat or Crust (B4)         Iron Deposits (B5)       Surface Soil Cracks (B6)         Inundation Visible on Aerial Image       Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes	Quired; check all that apply)	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilleo aed Plants (D Remarks)	xcept	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3)∕ Geor Shall )∕ FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one regovername)         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 Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes	guired; check all that apply)	eaves (B9) (e. A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled ed Plants (D Remarks)	xcept Living Rood ) d Soils (C6 1) (LRR A)	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3) ↓ Geor Shall ) FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) mesent? Yes <u>V</u> No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one registry indicators (minimum of one registry indicators)         Surface Water (A1)         Y         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 Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Describe Recorded Data (stream gauged)	guired; check all that apply)	eaves (B9) (e. <b>A, and 4B)</b> ates (B13) Odor (C1) wheres along uced Iron (C4) uction in Tilled ed Plants (D Remarks) <u>4</u> <u>7</u> previous ins	xcept	<u>Secondar</u> Wate 4/ Drain Dry-S Satur ts (C3) ↓ Geor Shall ) ↓ FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>V</u> No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one regeneration)         Surface Water (A1)         Y         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 Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Cincludes capillary fringe)       Describe Recorded Data (stream gauge)	Auired; check all that apply)	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled ad Plants (D Remarks)	xcept	<u>Secondar</u> Wate Drain Dry-S Satur ts (C3) Geor Shall ) FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) mesent? Yes <u>V</u> No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one regeneration)         Surface Water (A1)         Y         High Water Table (A2)         X         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Remarks:       Remarks:	guired; check all that apply)	eaves (B9) (e. A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled red Plants (D Remarks)	xcept Living Rood ) d Soils (C6) 1) (LRR A)  Wetla pections), i	Secondar Vate 4/ Drain Dry-S Satur Shall ) FAC- Shall ) FAC- Raise Frost Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) mesent? Yes <u>V</u> No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one registry Indicators (minimum of one registry Indicators)         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 Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Describe Recorded Data (stream gauge         Remarks:	guired; check all that apply)	eaves (B9) (e. <b>A, and 4B)</b> ates (B13) Odor (C1) wheres along uced Iron (C4 uction in Tilled ed Plants (D Remarks) <u>4</u> <u>7</u> previous ins	xcept	Secondar Vate 4/ Drain Drain Dry-S Satur ts (C3) ↓ Geor Shall ) ↓ FAC- Raise Frost and Hydrology Pr if available:	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>V</u> No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one registry indicators (minimum of one registry indicators)         Surface Water (A1)         Y         High Water Table (A2)         Y         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 Image         Sparsely Vegetated Concave Surf         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Cincludes capillary fringe)       Describe Recorded Data (stream gauge)         Remarks:       Remarks:	guired; check all that apply)	eaves (B9) (e: <b>A, and 4B)</b> ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled ed Plants (D Remarks) <u>Y</u> previous ins	xcept	Secondar Wate 4/ Drain Dry-S Satur ts (C3) ↓ Geor Shall ) ↓ FAC- Raise Frost and Hydrology Pro- if available:	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) season Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>V</u> No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one registed concerns)	guired; check all that apply)	eaves (B9) (e: A, and 4B) ates (B13) Odor (C1) oheres along uced Iron (C4 uction in Tilled ad Plants (D Remarks)	xcept Living Roof ) d Soils (C6) 1) (LRR A)  Wetla pections), i	Secondar Wate 4/ Drain Dry-S Satur ts (C3)X Geor Shall ) FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9) horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>V</u> No

WETLAND DETERMINATION D	ATA FORM – Western M	Iountains, Valleys, and Coast Region
Project/Site: WESTBORT LISHY	S.P. City/County: W	2501860 Sampling Date: 7-1-61
Applicant/Owner: Strite FETR	and the second second	State: Sampling Point:
Investigator(s): P. Hamid 1	Section, Township,	, Range:
Landform (hillslope, terrace, etc.):	Nes Local relief (conca	ve, convex, none): CONVEX Slope (%): 4
Subregion (LRR):	Lat:	Long: Datum:
Soil Map Unit Name: DUNL Land		NWI classification: Pland
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes K N	lo (If no, explain in Remarks.)
Are Vegetation . Soil . or Hydrology	significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation Soil or Hydrology	naturally problematic? (	If needed, explain any answers in Remarks.)
	- chowing compling poi	at locations transects important features, etc.
SUMMART OF FINDINGS – Attach site maj	p showing sampling poir	It locations, transects, important reaction, etc
Hydrophytic Vegetation Present?     Yes       Hydric Soil Present?     Yes	No Is the Samp	oled Area
Wetland Hydrology Present? Yes	No K within a we	
Remarks: Photos 977-979		
upbud at East end o	F. Transect #	£4
VEGETATION – Use scientific names of pla	ints.	
Tree Stratum (Plot size: 30)	Absolute Dominant Indicat % Cover Species? Status	or Dominance Test worksheet:
1. PINUS contorta	15 Y FA	C That Are OBL, FACW, or FAC: (A)
2.		Total Number of Dominant
3		Species Across All Strata: (B)
4		Percent of Dominant Species
- 15'	5_= Total Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 1)	35 V UP,	Prevalence Index worksheet:
2 Naccinium quatum		Total % Cover of: Multiply by:
3 Morelly celifornica	5 FA	OBL species x1 =
4.		FACW species X 2 =
5	كبير وتتكل بيندان	EACU species x 4 =
Ē.	<u> </u>	UPL species x5 =
Herb Stratum (Plot size:)	5 Y FA	Column Totals: (A) (B)
1. Moleos anatus		
2. THORNWALD HARMANY	-10 V 0BL	Prevalence Index = B/A =
3. Caler Obropter		1 - Rapid Test for Hydronbytic Vegetation
5		$\swarrow$ 2 - Dominance Test is >50%
6	The second second	$3 - Prevalence Index is \leq 3.0^{1}$
7.		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8		data in Remarks or on a separate sheet)
9		5 - Wetland Non-Vascular Plants'
10		Problematic Hydrophytic Vegetation' (Explain)
11		Indicators of hydric soil and wetland hydrology must be present unless disturbed or problematic.
Woody Vine Stratum (Plat size)	= Total Cover	
1		Hudronhutia
2		Vegetation
	- Tatal Cavor	Present? Yes <u>N</u> No
10		
% Bare Ground in Herb Stratum $\_10$		

SOIL

Depth Matrix	Redox Fea	tures			
(inches) Color (moist) %	Color (moist) %	Type <sup>1</sup>	_Loc <sup>2</sup>		Remarks
D.9 2,544/2 10-				F5/	
9-18 2 544/2 95	254 4/4 1			- FCI	
<u> </u>		<u> </u>			4
Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Cov	ered or Coate	d Sand Gra	ains. <sup>2</sup> Locatio	on: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	all LRRs, unless otherwise	noted.)	1 N N	Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)			2 cm M	uck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)			Red Pa	rent Material (TF2)
Black Histic (A3)	Loamy Mucky Minera	I (F1) (except	MLRA 1)	Very St	nallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix	(F2)		Other (	Explain in Remarks)
_ Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	1.1.1			
Thick Dark Surface (A12)	Redox Dark Surface	(F6)		<sup>3</sup> Indicators of	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surfac	xe (F7)		wetland	hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (	F8)	Sec. 2	unless di	sturbed or problematic.
Type:					
Depth (inches):				11.11.0.10	
Remarks: YDROLOGY Netland Hydrology Indicators:					
Remarks: YDROLOGY Netland Hydrology Indicators: <u>Primary Indicators (minimum of one requi</u>	ired; check all that apply)			<u>Secondar</u>	y Indicators (2 or more required)
YDROLOGY         Vetland Hydrology Indicators:         ?rimary Indicators (minimum of one requination of the second	ired; check all that apply) Water-Stained L	eaves (B9) (e	xcept	<u>Secondar</u> Wate	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2,
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3)	ired; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Cruct (211)	eaves (B9) (e A, and 4B)	xcept	<u>Secondar</u> Wate	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requinations) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marke (P1)	ired; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11)	eaves (B9) (e IA, and 4B)	xcept	<u>Secondar</u> Wate 44 Drain	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ired; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb bydracon Suffd	eaves (B9) (e IA, and 4B) rates (B13)	xcept	<u>Secondar</u> Wate 44 Drain Dry-S	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) iseason Water Table (C2)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requi 	ired; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Ovidiaed Bbiase	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1)	xcept	<u>Secondar</u> Wate 44 Drain Dry-S Satur	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the second secon	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Per	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along	xcept	Secondar Wate 44 Drain Dry-S Satur ts (C3) Ø Geor	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Geason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the second secon	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec	eaves (B9) (e IA, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4	xcept	Secondar Wate 44 Drain Dry-S Satur is (C3) Z Geon Shall	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bow Aquitard (D3)
Primary Indicators:         Primary Indicators (minimum of one requi         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 Soli Cracker (B6)	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Invertet — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec	eaves (B9) (e IA, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller	xcept Living Root I) d Soils (C6)	<u>Secondar</u> ₩ Wate 4/ Drain Dry-S Satur Is (C3) ♥ Geor Shall ↓ ¥ FAC-	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requi         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 Agrial Imagenery	ired; check all that apply) Water-Stained L MLRA 1, 2, 4 Salt Crust (B11) Aquatic Inverteb Hydrogen Sulfid Oxidized Rhizos Presence of Rec Recent Iron Rec Stunted or Stress (P7)	eaves (B9) (e IA, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tille sed Plants (D	xcept Living Root I) d Soils (C6) 1) (LRR A)	Secondar Wate 4/ Drain Dry-S Satur as (C3) Ø Geor Shall Shall M FAC- Raise	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requi         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rea — Recent Iron Rea — Stunted or Stres (B7) — Other (Explain in a (B8)	eaves (B9) (e IA, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tilled sed Plants (D n Remarks)	xcept Living Root ) d Soils (C6) 1) (LRR A)	Secondar Wate 44 Drain Dry-S Satur ss (C3) Z Geor Shall Shall Z FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the second secon	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Invertet — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stres (B7) — Other (Explain in e (B8)	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept Living Root I) d Soils (C6) 1) (LRR A)	Secondar Wate 4/ Drain Dry-S Satur is (C3) Ø Geor Shall & FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Geason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Surface Water Present?	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Invertet — Hydrogen Sulfid — Oxidized Rhizos — Presence of Red — Recent Iron Red — Stunted or Stres (B7) — Other (Explain in e (B8)	eaves (B9) (e IA, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tille sed Plants (D n Remarks)	xcept Living Root I) d Soils (C6) 1) (LRR A)	Secondar Wate 44 Drain Dry-S Satur is (C3) Con Shall Shall FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?         Yes	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Invertet — Hydrogen Sulfid — Oxidized Rhizos — Presence of Red — Recent Iron Red — Stunted or Stress (B7) — Other (Explain in e (B8) — No X Depth (inches):	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept	Secondar Wate 4/ Drain Dry-S Satur s (C3) Z Geon Shall Shall FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?         Yes         Water Table Present?         Yes	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stress (B7) — Other (Explain in e (B8) _ No X Depth (inches): _ No X Depth (inches):	eaves (B9) (e IA, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept	Secondar Wate 44 Drain Dry-S Satur s (C3) Z Geor Shall Z FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination y link of the present of the present?         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Yes       Yes         Saturation Present?       Yes         Saturation Present?       Yes	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rea — Recent Iron Rea — Stunted or Stress (B7) — Other (Explain in e (B8) _ No X Depth (inches): _ No X Depth (inches): _ No X Depth (inches):	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept	Secondar Wate 4/ Drain Dry-S Satur is (C3) Ø Geor Shall Ø Ø FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?         Yes         Saturation Present?         Yes <td>ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stress (B7) — Other (Explain in a (B8) — No X Depth (inches): _ No X Depth (inches): _ No X Depth (inches): _ Mo X Depth (inches): _ No X Depth (inches): _ Mo X Depth</td> <td>eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)</td> <td>xcept</td> <td>Secondar     Wate     44     Drain     Dry-S     Satur     Satur     Satur     Shall     ✓ FAC-     Shall     ✓ FAC-     Raise     Frost  and Hydrology Pro f available:</td> <td>y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)</td>	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stress (B7) — Other (Explain in a (B8) — No X Depth (inches): _ No X Depth (inches): _ No X Depth (inches): _ Mo X Depth (inches): _ No X Depth (inches): _ Mo X Depth	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept	Secondar     Wate     44     Drain     Dry-S     Satur     Satur     Satur     Shall     ✓ FAC-     Shall     ✓ FAC-     Raise     Frost  and Hydrology Pro f available:	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination y link of the second secon	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Red — Recent Iron Red — Stunted or Stres (B7) — Other (Explain in e (B8) _ No X Depth (inches): _ No X Depth (inches):	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tille sed Plants (D n Remarks)	xcept Living Root I) d Soils (C6) 1) (LRR A) Wetla pections), i	Secondar Wate 4/ Drain Dry-S Satur s (C3) Ø Geor Shall Maise Frost Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) ow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>X</u> No <u>X</u>
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Mater Yes Mater Table Present? Yes Mater Yes Mat	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverteb — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stres (B7) Other (Explain in e (B8) _ No X Depth (inches): _ Mo X Depth (inches):	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept Living Root H) d Soils (C6) 1) (LRR A) URR A) Wetla pections), i	Secondar Wate 4/ Drain Dry-S Satur is (C3) Ceon Shall Shall FAC- Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Season Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>No X</u>
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Saturation Present? Yes Mater Table Present? Yes Saturation Present? Yes Saturatio	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverted — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stres (B7) Other (Explain in a (B8) No X Depth (inches): No X Depth (inches): Mo X	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 function in Tille sed Plants (D n Remarks)	xcept	Secondar Wate 44 Drain Dry-S Satur s (C3) Ceon Shall Shall Maise Frost Raise Frost	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) beason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes <u>Yes</u> No <u>X</u>
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi 	ired; check all that apply) — Water-Stained L MLRA 1, 2, 4 — Salt Crust (B11) — Aquatic Inverted: — Hydrogen Sulfid — Oxidized Rhizos — Presence of Rec — Recent Iron Rec — Stunted or Stress (B7) — Other (Explain in a (B8) _ No X Depth (inches): _ No X Depth (inches): _ No X Depth (inches): _ monitoring well, aerial photos	eaves (B9) (e A, and 4B) rates (B13) e Odor (C1) pheres along duced Iron (C4 luction in Tiller sed Plants (D n Remarks)	xcept	Secondar     Wate     44     Drain     Dry-S     Satur     Satur     Shall     FAC-     Raise     Frost  and Hydrology Pu f available:	y Indicators (2 or more required) r-Stained Leaves (B9) (MLRA 1, 2, A, and 4B) age Patterns (B10) Beason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) resent? Yes No

WETLAND DETERMINATION DA	ATA FORM -	Western Mou	ntains, Valleys, and Coast Re	egion
Project/Site: WEST Part Light 5,	P. City/	County: Wes	stPart Sampling D	ate: 4-1-21
Applicant/Owner: State Park			State: WA Sampling P	oint: SP-A19
Investigator(s): P. Hamidi	Sect	on, Township, Rar	nge:	
Landform (hillslope, terrace, etc.): Interdunal	Loca	al relief (concave, o	convex, none): Concast	Slope (%) Leve /
Subregion (LRR):	Lat:		Long:	Datum:
Soil Man Unit Name: Variating	_		NWI classification: PS	SEMIE
Are climatic / bydrologic conditions on the site typical for the	is time of year?	Yes X No	(If no, explain in Remarks.)	
Are Vegetation Soil or Hydrology	significantly distu	rbed? Are "	Normal Circumstances" present? Ye	s X No
Are Vegetation Soil or Hydrology	naturally problem	atic? (If ne	eded, explain any answers in Remark	s)
SUMMARY OF FINDINGS – Attach site map	showing sar	npling point lo	ocations, transects, importai	nt features, etc.
Hydrophytic Vegetation Present?       Yes       X       N         Hydric Soil Present?       Yes       X       N         Wetland Hydrology Present?       Yes       N	10 10 10	Is the Sampled within a Wetlan	Area nd? Yes <u>/</u> No	
Remarks: photos 980-983 Wetland A in transle	1 # 5			
VEGETATION – Use scientific names of plan	nts.			
Tree Stratum (Plot size: 30)	Absolute Do	minant Indicator	Dominance Test worksheet:	
1 DINUS Contarts	10	J FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	Ч <sub>(A)</sub>
2.		1	Total Number of Deminant	И
3			Species Across All Strata:	(B)
4	- <u></u>	otal Cover	Percent of Dominant Species	100 (A/B)
Sapling/Shrub Stratum (Plot size:)	2- 1	1 5000	Prevalence Index worksheet:	(,,,)
1. Salik hookerlang	20 0	+ tokw	Total % Cover of: M	Aultiply by:
2. morella Glitomica		Y_FUCO	OBL species x 1 =	
3		in the second second	FACW species x 2 =	·
4			FAC species x 3 =	
5	- HO = TO	otal Cover	FACU species x 4 =	
Herb Stratum (Plot size:)		I NGI	UPL species x 5 =	
1. Carix Obnupite	_60	1 000	Column Totals: (A)	(B)
2			Prevalence Index = B/A =	
3			Hydrophytic Vegetation Indicator	s:
4			1 - Rapid Test for Hydrophytic V	/egetation
5			2 - Dominance Test is >50%	
7	-		5 - Frevalence Index is \$5.0	(Provide supporting
8			data in Remarks or on a sep	arate sheet)
9.			5 - Wetland Non-Vascular Plan	ts <sup>1</sup>
10			Problematic Hydrophytic Veget	ation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric soil and wetlan	d hydrology must
Woody Vine Stratum (Plot size:	<u>60</u> = To	tal Cover	be present, unless disturbed of prot	nematic.
1			Hydrophytic	
2			Vegetation X	No
% Para Ground in Horth Stratum	= To	tal Cover		······
Remarks:				
water				

SOIL

Depth	Matrix		-	Redox	k Feature	S			
inches)	Color (moist)	%	Color (m	noist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textu	re Remarks
	54 4/1	98	2.54	4/2	7		m	15	2
		10	2159	115		. <u> </u>	<u></u>	_11	2
_				-					
-						• •			
		-		- 7-		• •			
				-			-		
				-					
		alation DM							<sup>2</sup>
ydric Soil I	Indicators: (Appli	cable to all	LRRs, unle	ss other	wise not	ed.)	d Sand Gra	ains. Ind	-Location: PL=Pore Lining, M=Matrix. icators for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy	Redox (S	35)				2 cm Muck (A10)
_ Histic Ep	pipedon (A2)		Strippe	d Matrix	(S6)				Red Parent Material (TF2)
Black Hi	stic (A3)		Loamy	Mucky N	lineral (F	1) (except	MLRA 1)		Very Shallow Dark Surface (TF12)
Hydroge	n Sulfide (A4)		Loamy	Gleyed M	Matrix (F2	2)		_	Other (Explain in Remarks)
Depleted	d Below Dark Surface	ce (A11)	Deplet	ed Matrix	(F3)				
_ Thick Da	ark Surface (A12)		Redox	Dark Sur	face (F6)			<sup>3</sup> Ind	licators of hydrophytic vegetation and
_ Sandy M	lucky Mineral (S1)		Deplet	ed Dark S	Surface (F	=7)		١	wetland hydrology must be present,
_ Sandy G	Bleyed Matrix (S4)		Redox	Depressi	ons (F8)		and the second	L	unless disturbed or problematic.
Type	Layer (if present):						232		
Depth (in	choc):		_						
Deptil (III								Hydric	Soil Present? Yes X No
emarks: Sp11 H <sup>2</sup>	Pit UM 5 odor	rdor (	water					riyune	
Remarks: SD 11 H <sup>2</sup> YDROLO Vetland Hy	, Pit UA 5 odor IGY drology Indicators	sdor (	water				2		
Remarks: Soll H YDROLO Vetland Hy rimary India	PITUA 5 Odor OGY drology Indicators cators (minimum of	s: one require	Water	that apply	0			<u>S</u>	econdary Indicators (2 or more required)
emarks: Soll H (DROLO Vetland Hy rimary India Surface	GY GY Water (A1)	sicone require	water	that apply	/) ned Leav	res (B9) (e)	ccept	<u>S</u>	econdary Indicators (2 or more required) 2 Water-Stained Leaves (B9) (MLRA 1, 2
rimary India L Soft Vetland Hy Surface	GY GY GY Mater Table (A2) Groups Indicators GY Mater Table (A2)	sites and the second se	water	that apply Vater-Stai	/) ned Leav 1, 2, 4A, 1	ves (B9) (ex and 4B)	ccept	<u>S</u>	econdary Indicators (2 or more required) <u>4</u> Water-Stained Leaves (B9) (MLRA 1, 2, <u>4</u> A, and 4B)
emarks: Soll H (DROLO (etland Hy rimary India Surface High Wa Saturatio	GY GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3)	in (	water ed; check all W S	that apply Vater-Stai MLRA alt Crust	/) ned Leav 1, 2, 4A, a (B11)	res (B9) (ex and 4B)	kcept	<u>S</u>	econdary Indicators (2 or more required) <u>4</u> Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) _ Drainage Patterns (B10)
emarks: Soll H CDROLO Vetland Hy rimary India Surface High Wa Saturatio Water M	GT GT GT GT GT GT GT GT GT GT	i: one require	ed; check all 	that apply Vater-Stai MLRA 1 alt Crust ( quatic Inv	/) ned Leav 1, 2, 4A, a (B11) vertebrate	ves (B9) (e) and 4B) es (B13)	kcept	<u>S</u>	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
emarks: Soll H (DROLO /etland Hy rimary India Surface G Saturatio Water M Sedimen	GY GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	s: one require	ed; check all Market All Mar	that apply Vater-Stair MLRA alt Crust i quatic Inv ydrogen s	/) ned Leav 1, 2, 4A, a (B11) rertebrate Sulfide O	res (B9) (e) and 4B) es (B13) dor (C1)	kcept	S	econdary 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
emarks: SØ1 H (DROLO (etland Hy rimary India Surface High Wa Saturation Water M Sedimer Drift Dep	GY GY GY GY GY GY GY GY GY GY	s: one require	ed; check all 	that apply Vater-Stai MLRA alt Crust quatic Inv ydrogen S xxidized R	/) ned Leav 1, 2, 4A, 4 (B11) vertebrate Sulfide O hizosphe	res (B9) (ex and 4B) es (B13) dor (C1) eres along l	.iving Roots	s (C3)	econdary 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 (CS Geomorphic Position (D2)
Tetland Hy Total And Hy Timary India Surface High Wa Saturatia Water M Sedimen Drift Deg Algal Ma	GY GY GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	sites (	ed; check all 	that apply Vater-Stair MLRA alt Crust quatic Inv ydrogen s xidized R resence c	/) ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O hizosphe of Reduce	res (B9) (ex and 4B) es (B13) dor (C1) eres along l ed Iron (C4	.iving Roots	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3)
temarks: Spll H YDROLO Vetland Hy Vetland Hy Vetland Hy Sedimer Saturatio Saturatio Saturatio Saturatio Algal Ma Iron Dep	GY GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	in (	ed; check all S S S S M M M M M M M M M M M M M	that apply Vater-Stai MLRA alt Crust of quatic Inv ydrogen s xidized R resence of ecent Iror	/) ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O hizosphe of Reduce n Reducti	res (B9) (e) and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo	ccept	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary India YDROLO YDROLO Vetland Hy Primary India Y Saturation Y Saturation	GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	in (	ed; check all	that apply Vater-Stair MLRA alt Crust of quatic Inv ydrogen S xidized R resence of ecent Iror tunted or	r) ned Leav 1, 2, 4A, a (B11) rertebrate Sulfide O hizosphe of Reduce n Reducti Stressed	res (B9) (ex and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tillec I Plants (D <sup>2</sup>	Living Roots ) I Soils (C6) I) (LRR A)	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Argeneric Section Sect	GT GT GT GT GT GT GT GT GT GT	i: one require	ed; check all	that apply Vater-Stair MLRA alt Crust i quatic Inv ydrogen s ixidized R resence c ecent Iror tunted or ther (Exp	/) ned Leav 1, 2, 4A, a (B11) rertebrate Sulfide O chizosphe of Reduce of Reduce of Reduce Stressed lain in Re	res (B9) (ex and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo I Plants (D' emarks)	Living Roots ) I Soils (C6) I) (LRR A)	s (C3)	econdary 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 (Cs Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Algal Ma Surface Cathand Hy Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Co	Greater Concerns (B) GY GY GY Grology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concern	Imagery (B ve Surface (	ed; check all 	that apply vater-Stai MLRA alt Crust quatic Inv ydrogen S ixidized R resence c ecent Iror tunted or ther (Exp	/) ned Leav 1, 2, 4A, 4 (B11) vertebrate Sulfide O hizosphe of Reducti Stressed lain in Re	res (B9) (ex and 4B) es (B13) dor (C1) eres along l ed Iron (C4 ion in Tilleo I Plants (D emarks)	Living Roots ) I Soils (C6) I) (LRR A)	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hy Vetland Hy Sedimer Sedimer Orift Deg Algal Ma Iron Deg Surface Inundati Sparsely ield Obser	Greater Concern GY GY GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concern vations:	Imagery (B	ed; check all 	that apply Vater-Stai MLRA alt Crust of quatic Inv ydrogen s xidized R resence of ecent Iror tunted or ther (Exp	() ned Leav 1, 2, 4A, a (B11) vertebrate Sulfide O hizosphe of Reducti Stressed lain in Re	res (B9) (ex and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo I Plants (D' emarks)	ccept iving Roots ) I Soils (C6) I) (LRR A)	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary India Primary India Primar	Greating in the second	Imagery (B ve Surface (	ed; check all 	that apply Vater-Stai MLRA alt Crust of quatic Inv ydrogen s ixidized R resence of ecent Iror tunted or tunted or ther (Exp	/) ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O thizosphe of Reducti Stressed lain in Re uches):	res (B9) (e) and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo I Plants (D' emarks)	ccept Living Roots ) I Soils (C6) I) (LRR A)	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Argeneric and a second	GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concar vations: er Present? Present?	Imagery (B ve Surface ( Yes <u>+</u>	ed; check all → → → → → → → → → →	that apply Vater-Stai MLRA alt Crust of quatic Inv ydrogen S xidized R resence of ecent Iror tunted or tunted or ther (Exp Depth (inc Depth (inc	() ned Leav 1, 2, 4A, i (B11) rertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re	res (B9) (ex and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tillec I Plants (D' emarks) B ou Fla Le	ccept Living Roots ) I Soils (C6) I) (LRR A)	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLO YDROLO Yetland Hy Yimary India Yurimary India Yurimary India Yurimary India Youriang India Youriang India Youriang India Sedimen Sedimen Prift Dep Algal Ma Iron Dep Surface Inundati Sparsely ield Obser Surface Watev Vater Table Saturation P ncludes can	Greater Concerns (Concerns). Greater Concerns (Concerns) (	Imagery (B ve Surface ( Yes + Yes + Yes +	ed; check all 	that apply Vater-Stai MLRA alt Crust ( quatic Inv ydrogen S ixidized R resence c ecent Iror tunted or tunted or ther (Exp Depth (inc Depth (inc	() ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O chizosphe of Reducti Stressed lain in Re thes): thes): thes):	res (B9) (e) and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo I Plants (D' emarks) B bufface bufface bufface	ccept Soils (C6) I) (LRR A)	s (C3)	econdary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Dlogy Present? Yes No
Primary India Primary India Primar	GY drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concav vations: er Present? Present? pillary fringe) corded Data (strear	Imagery (B ve Surface ( Yes + Yes + Yes + Yes +	€ adject all edjecheck all 	that apply Vater-Stair MLRA alt Crust i quatic Inv ydrogen S xidized R resence o ecent Iror tunted or ther (Exp Depth (inc Depth (inc Depth (inc Depth (inc Depth (inc Depth (inc	ر) ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re thes): thes): thes): thotos, pr	res (B9) (ex and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tillec I Plants (D' emarks) B ou Fái Le ou Fá	ccept iving Roots ) Soils (C6) I) (LRR A) (LRR A) Uccolerations), if	s (C3)	econdary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Plogy Present? Yes No Staturation Visible on Aerial Imagery (CS Molecular Content of the second of the
Permarks: Sold YDROLO Yetland Hy Yimary India Your India Your India Your India Your India Your India Your India Your India Your India Your India Sold India India Sold India India India India India Indi	Greater Concerns (Concerns). Greater Concerns (Concerns) (Co	Imagery (B re Surface ( Yes Yes Yes T	ed; check all 	that apply Vater-Stai MLRA alt Crust of quatic Inv ydrogen S xidized R resence of ecent Iror tunted or tunted or ther (Exp Depth (inc Depth (inc Depth (inc Depth (inc	() ned Leav 1, 2, 4A, i (B11) vertebrate Sulfide O hizosphe of Reducti Stressed lain in Re thes): thes): thes): hotos, pr	res (B9) (e) and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo I Plants (D' emarks) B bufface b	ccept Living Roots ) I Soils (C6) I) (LRR A) U (LRR A) Wetlan pections), if	s (C3)	econdary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Dlogy Present? Yes No
Remarks: Sold YDROLO Yetland Hy YDROLO Vetland Hy Yimary India Surface Y High Water M Sedimer Water M Sedimer Drift Den Algal Ma Iron Den Surface Inundati Sparsely ield Obser aturation P ncludes cap iescribe Re	Greater and a second se	Imagery (B ve Surface ( Yes Yes Yes n gauge, m	Water         ed; check all	that apply Vater-Stai MLRA alt Crust of quatic Invi ydrogen s ixidized R resence of ecent Iror tunted or ther (Exp Depth (inc Depth (inc Depth (inc Depth (inc Depth (inc	ر) ned Leav <b>1, 2, 4A,</b> is (B11) vertebrate Sulfide O thizosphe of Reducti Stressed lain in Re- thes): thes): thes): thes): thes): thes):	res (B9) (e) and 4B) es (B13) dor (C1) eres along I ed Iron (C4 ion in Tilleo I Plants (D' emarks) B by 5/4 ce cy c f ce ce revious insp	ccept Living Roots ) I Soils (C6) I) (LRR A) U (LRR A) Wetlan pections), if	s (C3)	econdary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Dlogy Present? Yes Noe:
Primary India Primary India Primar	Green and a series of the seri	Imagery (B ve Surface ( Yes <u>+</u> Yes <u>+</u> n gauge, m	₩ ad et ed; check all 	that apply Vater-Stai MLRA alt Crust of quatic Inv ydrogen S xidized R resence of ecent Iror tunted or ther (Exp Depth (inc Depth (inc Depth (inc Depth (inc Depth (inc	() ned Leav 1, 2, 4A, i (B11) rertebrate Sulfide O hizosphe of Reduce n Reducti Stressed lain in Re thes): thes): hotos, pr	res (B9) (ex and 4B) as (B13) dor (C1) eres along I ed Iron (C4 ion in Tillec I Plants (D' emarks)	ccept Living Roots ) I Soils (C6) I) (LRR A) U (LRR A) U (LRR A)	s (C3)	econdary 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 (CS Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Dlogy Present? Yes X No

roject/Site: W2511811 21911 2	City/	County:	and WA	Sampling Point: SP-	AZC
pplicant/Owner: DENE FAFIC			State:	Sampling Form	
nvestigator(s): <u>V·HJ4H14</u>	Sect	ion, Township, Rang	je: Con	Case Slope (%)	. 7
andform (hillslope, terrace, etc.):		al relief (concave, co	nvex, none)	Olope (78)	
ubregion (LRR):	Lat:		Long:	Casting () Planta	
oil Map Unit Name: <u>YGQUING</u>	and a strength		NVVI class	Barration: Urige CA	
re climatic / hydrologic conditions on the site typical for	this time of year?	Yes K No	(If no, explain in	Remarks.)	
re Vegetation, Soil, or Hydrology	<pre>_ significantly distu</pre>	irbed? Are "No	ormal Circumstances	"present? Yes K	
re Vegetation, Soil, or Hydrology	_ naturally problem	natic? (If need	ded, explain any answ	wers in Remarks.)	
UMMARY OF FINDINGS – Attach site ma	ap showing sar	mpling point loc	cations, transec	ts, important feature	es, etc
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes		Is the Sampled A within a Wetland	area ? Yes	No	
Remarks: Photos goil 90.7					
Lipland in Transact	#5				
/EGETATION – Use scientific names of p	lants.				
31	Absolute Do	minant Indicator	Dominance Test wo	orksheet:	
Tree Stratum (Plot size: <u>30</u> )	% Cover Sp	ecies? Status	Number of Dominant	Species 3	(A)
1. TIPOS Contorty		7-100	That Ale OBL, PACV	v, or i AO.	
3			Total Number of Don Species Across All S	ninant G	_ (B)
4			Descent of Dominant	Species (D	
	- <del>90</del> = 1	otal Cover	That Are OBL, FACV	V, or FAC: 15	_ (A/B
Sapling/Shrub Stratum (Plot size: 1)	p ·	A FAIL	Prevalence Index w	orksheet:	
1. Vacc, nom ovatum	$\frac{0}{10}$	FACU	Total % Cover of	f: Multiply by:	
2. Morally Californice	_ 10	<u> </u>	OBL species	x 1 =	_
A			FACW species	x 2 =	
5.		- C	FAC species	x 3 =	
	<u>18</u> =T	otal Cover	FACU species	X4 =	_
Herb Stratum (Plot size:)	5	U OBL	Column Totals:	(A)	— (B)
1. Carek Obnopta		1-000		(V)	_ (0)
2			Prevalence Ind	ex = B/A =	_
3			1 - Papid Test fo	ition indicators:	
5			- Dominance T	est is >50%	
6.			3 - Prevalence Ir	ndex is ≤3.0 <sup>1</sup>	
7			4 - Morphologica	al Adaptations <sup>1</sup> (Provide su	pporting
8			data in Rema	irks or on a separate sheet	)
9			5 - Wetland Non	-Vascular Plants <sup>1</sup>	
10			Problematic Hyd	rophytic Vegetation' (Expla	ain)
11			be present, unless di	son and wetland hydrology isturbed or problematic.	must
Woody Vine Stratum (Plot size: 15')	=To	Dial Cover			
1			Hydrophytic		
2			vegetation Present?	Yes_X No	
$\hat{\mathbf{C}}$	= To	otal Cover			
% Bare Ground in Herb Stratum					

C	n	1	L
J	J		L

Sampling Point: 5-120

Depth Matrix		
- Middila	Redox Features	
<u>(inches)</u> <u>Color (moist)</u> %	<u>Color (moist)</u> % <u>Type'</u> <u>Lo</u>	<u>Texture</u> <u>Remarks</u>
<u>(=0</u>		<u>Liffer</u>
0-9 2,54 4/2,5 100		- LFS
4-10 2,54 4/1.5		LFS
10-18 2,54 4/2, 98	2,54 4/3 2 C N	1 LFS
1-10 01011/0 10		
		the second s
		and the second se
<sup>1</sup> Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated Sa	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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 ML	RA 1) Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F2)	Other (Explain in Remarks)
Depieted Below Dark Surface (A11) Thick Dark Surface (A12)	Depleted Matrix (F3)	31
Sandy Mucky Mineral (S1)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Gleved Matrix (S4)	Beday Depressions (F8)	wettand hydrology must be present,
Restrictive Laver (if present):		
Туре:		
Depth (inches):		Hudrie Sail Brasant? Yas No K
Pemarke:		
HYDROLOGY		
Wetland Hydrology Indicators:		and the second second
Wetland Hydrology Indicators: Primary Indicators (minimum of one require	ed; check all that apply)	Secondary Indicators (2 or more required)
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one require</u> Surface Water (A1)	ed; check all that apply) Water-Stained Leaves (B9) (excep	Secondary Indicators (2 or more required) ot Water-Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> ot Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required)         ot       Water-Stained Leaves (B9) (MLRA 1, 2,         4A, and 4B)       Drainage Patterns (B10)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Secondary Indicators (2 or more required)         ot       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)	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) — Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Livin — Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) — Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Livin — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled So	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Stunted or Stressed Plants (D1) (L	Secondary Indicators (2 or more required)         ot
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 (Batter Science)	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Stunted or Stressed Plants (D1) (L 37) Other (Explain in Remarks)	Secondary Indicators (2 or more required)         ot
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	ed; check all that apply) Water-Stained Leaves (B9) (excep MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Stunted or Stressed Plants (D1) (L 37) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livin Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Stunted or Stressed Plants (D1) (L 87) Other (Explain in Remarks) (B8) No Depth (inches):	Secondary Indicators (2 or more required)         ot       Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ad; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required one requi	ed; check all that apply)	Secondary Indicators (2 or more required)         ot
Wetland Hydrology Indicators:         Primary Indicators (minimum of one required in the second of	ed: check all that apply)	Secondary Indicators (2 or more required)         ot

WETLAND DETERMINATION D	ATA FORM -	Western Mou	ntains, Valleys, ar	d Coast Region	/
Project/Site: WRStPort light	S.P City/C	county: Wes	tPort	_ Sampling Date:	2-21
Applicant/Owner: State Parte			State: WA	Sampling Point:	15A-9
Investigator(s): Public midi	Secti	on, Township, Ra	nge:	N	
Investigator(s)	Loca	I relief (concave	convex none). Cor	earle Slope (?	6): Leves
Landform (nillslope, terrace, etc.):	Lota	Tener (condute,		Datum:	
Subregion (LRR):		1	Long.	insting: PEOC	
Soil Map Unit Name: DUN2 CANA			NVVI Classii		_
Are climatic / hydrologic conditions on the site typical for th	his time of year? N	'es <u>X</u> No _	(If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly distu	bed? Are	'Normal Circumstances"	present? Yes X	No
Are Vegetation, Soil, or Hydrology	naturally problem	atic? (If ne	eded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site man	showing san	npling point l	ocations, transect	s, important featu	res, etc.
	Ne	·p····5 p·····			1.1
Hydrophytic Vegetation Present? Yes <u>x</u> Hydric Soil Present? Yes <u>x</u> Mydroc Soil Present? Yes <u>x</u>	NO NO	Is the Sampled within a Wetlar	Area nd? Yes	<u> </u>	
Pemarks: a l l a D 6 5					
Photos 02-05		1.0			
west edge of wetle	al mos	eic A			1.5
VEGETATION - Use scientific names of pla	nte				
VEGETATION - Use scientific names of pla	Absolute Dor	ninant Indicator	Dominance Test wor	ksheet:	-
Tree Stratum (Plot size: 30')	% Cover Spe	cies? Status	Number of Dominant	Species V	
1. Picen Sitehewsis	20 4	- FAC	That Are OBL, FACW	or FAC:	(A)
2. FINUS contorts	40 0	1 PAC	Total Number of Domi	nant M	
3. morella Gatitorojea			Species Across All Str	rata: <u>1</u>	(B)
4			Percent of Dominant	Species	
15'	= To	tal Cover	Tha! Are OBL, FACW	, or FAC:	(/\/B)
Sapling/Shrub Stratum (Plot size: 15)	70 V	FARIN	Prevalence Index wo	rksheet:	
1. Morely Californica	$-\frac{\omega}{1}$ - 7	FACU	Total % Cover of:	Multiply by:	
2. 000011110100 000000			OBL species	x 1 =	
3			FACW species	x 2 =	
5			FAC species	x 3 =	-
5	21 = то	tal Cover	FACU species	x 4 =	- y
Herb Stratum (Plot size:)	di-	- 11	UPL species	x 5 =	- 21
1. Carex obnupts	<u>95 y</u>	OBL	Column Totals:	(A)	(B)
2. PolyStichum Muritum		FACU	Prevalence Inde	x = B/A =	
3			Hydrophytic Vegetat	ion Indicators:	
4			1 - Rapid Test for	Hydrophytic Vegetation	
5			2 - Dominance Te	st is >50%	
6			3 - Prevalence Inc	lex is ≤3.0 <sup>1</sup>	
7			4 - Morphological	Adaptations <sup>1</sup> (Provide s	upporting
8			data in Reman	(s or on a separate snee	90
9			Broblematic Linder	ascular Flams	lain)
10			Indicators of hudris	by and wotland budralar	v must
11			be present, unless dis	turbed or problematic.	ymust
Woody Vine Stratum (Plot size: 15)	= Tot	al Cover			
1 Ruhus armeniacus	2	FAC	Hydrophitic		
2			Vegetation	×.	
2	2 = Tot	al Cover	Present? Y	es No	•
% Bare Ground in Herb Stratum					
Remarks:					
		and the second se			

SOIL

Profile Description: (Describe to the c	lepth needed to document the indicator or c	onfirm the absence	e of indicators.)
Depth Matrix	Redox Features		
(inches) Color (moist) %	<u>Color (moist)</u> % Type <sup>1</sup> Lo	oc <u>Texture</u>	Remarks
			a second and a second as
0-9 239 411 98	<u>654113 C C M</u>	1 LPS	
4-16 2,54 4/1 80	104R 4/3,4/4 20 C M	n LFS	
			A STATE OF STATE OF STATE
``		ومعالجه والم	
			and a dimension of the second second
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sa	and Grains. <sup>2</sup> Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to	all LRRs, unless otherwise noted.)	Indicat	ors for Problematic Hydric Soils':
Histosol (A1)	Sandy Redox (S5)	2 c	m Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)		d Parent Material (TF2)
Hvdrogen Sulfide (Δ4)	Loamy Gleved Matrix (E2)	(A I) Ve	ry Shallow Dark Sufface (1F12) per (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	0	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> Indicat	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7)	wetl	and hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unle	ss disturbed or problematic.
Restrictive Layer (if present):		11 Sec. 14 Sec. 14	
Туре:	and the second	1.1.1	
Depth (inches):		Hydric Soi	Present? Yes <u>X</u> No
Remarks:		1.	The same and the second
HYDROLOGY			and the second
Wetland Hydrology Indicators:	ind, shack all that apply)	Con	nden Indianten (2 er men en ind)
Primary Indicators (minimum of one requ	Meter Steined Leaves (PO) (average	<u>Secc</u>	Note: Official Lange (DO) (NL D. 4.
Surface Water (A1)	Will BA 1 2 4A and 4B)	- ·	Vater-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA 1, 2, 4A, and 4B) Solt Crust (P11)		4A, and 4B)
Saturation (AS)	Aquatic Invertebrates (B13)		Drainage Patterns (BTU)
Sediment Denosits (B2)	Hydrogen Sulfide Odor (C1)		Saturation Visible on Aerial Imageny (CQ)
Drift Deposits (B2)	Oxidized Rhizospheres along Livir	Roots (C3) X	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled So	ils (C6) X	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (L	.RR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagerv	(B7) Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface	e (B8)		
Field Observations:			
Surface Water Present? Yes	No K Depth (inches):		
Water Table Present? Yes 🔀	No Depth (inches):		1
Saturation Present? Yes 🖌	No Depth (inches):8	Wetland Hydrolog	gy Present? Yes 📈 No
(includes capillary fringe)	monitoring woll, costal photos, provide a lange	ione) if quailable	
Describe Recorded Data (stream gauge,	monitoring well, aerial photos, previous inspect	lions), il avallable:	
Demodula			
Remarks:			

WETLAND DETERMINATION	DATA FORM	– Western Mou	untains, Valleys, and Coast Region
Project/Site: Westport Light S.	P. Ci	Dounty: We:	ST Port Sampling Date: 1/2/21
Applicant/Owner 4State Parks	C	· · ·	State: WA Sampling Point: 1-32
Investigator(s): B. Fletcher; P. He	Imidi se	ection, Township, Ra	ange:
Landform (hillslope, terrace, etc.): DUne	L	ocal relief (concave	Convex.none): Slope (%):
Subregion (LRR): A	Lat:	. 4	Long: Datum:
Soil Man Unit Name: Sine land		1	NWI classification: UPL
Are climatic / hydrologic conditions on the site typical fr	or this time of year	Ves X No	(If no explain in Remarks )
Are Vegetation Soil or Hydrology	significantly di	sturbed?	"Normal Circumstances" present? Yes X No
Are Vegetation Soil or Hydrology	significantly dis	amatic?	ended explain any answers in Remarks )
SUMMARY OF FINDINGS – Attach site m	ap showing s	ampling point I	ocations, transects, important features, etc.
Hydrophytic Vegetation Present?     Yes       Hydric Soil Present?     Yes	NoX	Is the Sampled	Area
Wetland Hydrology Present? Yes	No X	within a Wetla	nd? Yes No
Remarks:			
10000 06-00	<u> </u>		and the second
VEGETATION – Use scientific names of p	plants.		States and the states of the
Tree Stratum (Plot size: 30-)	Absolute I % Cover S	Dominant Indicator Species? Status	Dominance Test worksheet:
1. Pinus contesta	10	Y. FAC	That Are OBL, FACW, or FAC:
2			Total Number of Dominant
3			Species Across All Strata:
4			Percent of Dominant Species
	10 =	Total Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)	30	X NOL	Prevalence Index worksheet:
2 Vaccinium avatum	5	FACH	Total % Cover of:Multiply by:
3 Faultheira shalan	1	EACO	OBL species $30 \times 1 = 30$
4.		and a suble	FACW species x 2 =
5.	<u> </u>	Part States	FAC species $1c \times 3 = 20$
5	36 =	Total Cover	FACU species $76$ $x4 = 50^{-1}$
Herb Stratum (Plot size:)	10	EAU	Column Totals: $140$ (A) $514$ (B)
1. Tory stichon munitum	30	X OBL	357
2 4/ex BONDET4	60	X FACY	Prevalence Index = B/A =
4			1 - Ranid Test for Hydrophytic Vegetation
5			2 - Dominance Test is >50%
6.			3 - Prevalence Index is ≤3.0 <sup>1</sup>
7			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants'
10			Problematic Hydrophytic Vegetation' (Explain)
11			be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 5	=	Total Cover	
1			Hydrophytic
2. NA			Vegetation
	=	Total Cover	Present? Yes No 1
% Bare Ground in Herb Stratum	Marine Ma		
Remarks:			

SOIL				107122	Sampling Point: <u>A 22</u>	
Profile Desc	ription: (Describe	to the dep	th needed to document the indicator or confirm	the absence of	indicators.)	
Denth	Matrix		Redox Features			
(inches)	Color (moist)	%	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks	
0-2	2543/2	100		Sand		
0 IP	76447 6	100		Se 1		
2-12	a. 31 114	100		19 - a -		
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A CONTRACT OF A			
			·			
	a low second second	-				
					States and the second	
Type: C=Cr	oncentration D=Der	letion RM	=Reduced Matrix CS=Covered or Coated Sand Gra	ains. <sup>2</sup> Locati	on: PL=Pore Lining, M=Matrix.	
Hydric Soil	Indicators: (Applic	able to all	LRRs, unless otherwise noted.)	Indicators	for Problematic Hydric Soils <sup>3</sup> :	
Histosol	(A1)		Sandy Bedox (S5)	2 cm M	luck (A10)	
Histic Er	pipedon (A2)		Stripped Matrix (S6)	Red Parent Material (TF2)		
Black Histic (A3)			Loamy Mucky Mineral (F1) (except MLRA 1)	Very Shallow Dark Surface (TF12)		
Hydroge	en Sulfide (A4)		Loamy Gleved Matrix (F2)	Other (	Explain in Remarks)	
Denleter	d Below Dark Surfac	e (A11)	Depleted Matrix (E3)			
Thick Da	ark Surface (A12)		Redox Dark Surface (F6)	<sup>3</sup> Indicators	of hydrophytic vegetation and	
Sandy M	Aucky Mineral (S1)		Denleted Dark Surface (F7)	wetland	hydrology must be present,	
Sandy G	Gleved Matrix (S4)		Redox Depressions (F8)	unless d	listurbed or problematic.	
Restrictive	Laver (if present):					
Type						
Denth (in	choo):			Hydric Soil Pr	esent? Yes No	
Depth (In	iches).					
Remarks:						
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1					and the second second second	
HYDROLO	OGY					
Wetland Hy	drology Indicators					
Primary Indi	icators (minimum of	one require	ed; check all that apply)	Seconda	ary Indicators (2 or more required)	
Surface	Water (A1)	- 5	Water-Stained Leaves (B9) (except	Wat	er-Stained Leaves (B9) (MLRA 1, 2,	
Sunace	ator Table (A2)		MLRA 1, 2, 4A, and 4B)	4	IA. and 4B)	
- High Wa			Salt Crust (B11)	Drai	nage Patterns (B10)	
Saturati	ion (A3)		Order (B17)	Dru	Season Water Table (C2)	
Water M	Marks (B1)				ration Visible on Asrial Imagent (CO	
Sedime	nt Deposits (B2)		Hydrogen Suilide Odor (C1)	Sati	iration visible on Aerial Imagery (C9	

- Saturation Visible on Aerial Imagery (C9)
- Oxidized Rhizospheres along Living Roots (C3) \_\_\_\_ Geomorphic Position (D2)
  - \_\_\_\_ Shallow Aquitard (D3)
  - \_\_\_\_ FAC-Neutral Test (D5) \_\_\_\_ Raised Ant Mounds (D6) (LRR A)

<ul> <li>Surface Soil Cracks (Be</li> <li>Inundation Visible on A</li> <li>Sparsely Vegetated Co</li> </ul>	5) erial Imagery (B7) ncave Surface (B8)	Stunted or Stressed Plants (D Other (Explain in Remarks)	I) (LRR A) Raised Ant Mounds (D6) (LI Frost-Heave Hummocks (D2)	<b>RR A)</b> 7)
Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (st	Yes No Yes No Yes No ream gauge, monit	X       Depth (inches):         X       Depth (inches):         X       Depth (inches):         Y       Depth (inches):         Y       Depth (inches):         Y       Depth (inches):	Wetland Hydrology Present? Yes pections), if available:	NoX
Remarks:			- 	

Presence of Reduced Iron (C4)

Recent Iron Reduction in Tilled Soils (C6)

Sediment Deposits (B2)

Algal Mat or Crust (B4)

Drift Deposits (B3)

Iron Deposits (B5)

WETLAND DETERMINATION	DATA FORM -	- Western Mou	ntains, Valleys, an	d Coast Region
Project/Site: West Port Light 5,	P City	County: Wes	\$Bort	Sampling Date: 4 - Z- 21
Applicant/Owner: State Park			State: WA	Sampling Point: 5P-A23
Investigator(s): P. Hamidi	nge:			
Landform (hillslope, terrace, etc.): IN furdung		cal relief (concave.	convex, none); CONC	call Slope (%); Level
Subregion (LBB): A	Lat.		Long:	Datum:
Soil Man Unit Name: Vagui Na			NWI classifi	cation: PSSIF
Are climatic / hydrologic conditions on the site typical for t	this time of year?	Yes X No	(If no explain in F	Remarks )
Are Vegetation Soil or Hydrology	significantly dist	urbed? Are	"Normal Circumstances"	present? Yes & No
Are Vegetation, Soil, or Hydrology	_ significantly dist	matic? (If no	eded explain any answe	ers in Remarks )
			ceded, explain any anom	
SUMMARY OF FINDINGS – Attach site ma	p showing sa	mpling point l	ocations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes X Hydric Soil Present? Yes X Wetland Hydrology Present? Yes X Demedici: Ote Content of Content o	No No No	Is the Sampled within a Wetlan	I Area nd? Yes <u>V</u>	No
wetland along transiet.	#6			
VEGETATION – Use scientific names of pla	ants.		4.60 A 76	
Tree Stratum (Plot size: 30	Absolute D % Cover Sp	ominant Indicator becies? Status	Dominance Test work	csheet: Species 3 (A)
2.				5 (V
3.			Species Across All Stra	ata: (B)
4			Percent of Dominant S	
15	0_=	Total Cover	That Are OBL, FACW,	or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size:)	60	Y FACW	Prevalence Index wo	rksheet:
2 Moyella Californica	30	Y FACW	Total % Cover of:	Multiply by:
3.			OBL species	x 1 =
4			FACW species	x2=
5	ال باد استار ا	- har	FACU species	x 3 =
Hat Statum (Plateins) 5'	=	otal Cover	UPL species	x 5 =
1 Carek Ob moto	35	Y OBL	Column Totals:	(A) (B)
2 lealium SP.		1. S	Provolonco Indo	( = P/A =
3.			Hydrophytic Vegetati	on Indicators:
4.		Sec. 1. Car	1 - Rapid Test for	Hydrophytic Vegetation
5			2 - Dominance Te	st is >50%
6		<u></u>	3 - Prevalence Ind	ex is ≤3.0 <sup>1</sup>
7			4 - Morphological	Adaptations <sup>1</sup> (Provide supporting
8			data in Remark	s or on a separate sheet)
9		and the second second	5 - Welland Non-V	ascular Plants
10			<sup>1</sup> Indicators of hydric so	il and wetland hydrology must
115 t	36 = T	otal Cover	be present, unless dist	urbed or problematic.
Woody Vine Stratum (Plot size: 15)				
1			Hydrophytic Vegetation	
-	10 = T	otal Cover	Present? Ye	s_X_ No
% Bare Ground in Herb StratumO				
Remarks: Water	y.			

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Western Mountains, Valleys, and Coast - Version 2.0

Profile Description: (Describe to the depth	n needed to document the indicator or confirm	the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) % _	<u>Color (moist)</u> <u>%</u> <u>Type<sup>1</sup></u> Loc <sup>2</sup>	Remarks
0-6+ 54 3/1 100		LFS
Type: C=Concentration, D=Depletion, RM=R	Reduced Matrix, CS=Covered or Coated Sand Gra	ains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Histosol (A1)	Sandy Redox (S5)	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	2 cm Muck (ATU) Red Parent Material (TEQ)
Black Histic (A3)	Loamy Mucky Mineral (E1) (except MLBA 1)	Red Parent Material (TF2)
V Hydrogen Sulfide (A4)	Loamy Gleved Matrix (E2)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11)	Depleted Matrix (F2)	Other (Explain in Remarks)
Thick Dark Surface (A12)	Bedox Dark Surface (E6)	3 Indiantes of heater heat
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Gleved Matrix (S4)	Bedox Depressions (E9)	wetland hydrology must be present,
estrictive Laver (if present):	_ Redox Depressions (Fo)	uniess disturbed or problematic.
Type:		
Type:	선생님은 영양을 가입니다.	
Type: Depth (inches): temarks:		Hydric Soil Present? Yes <u>/</u> No
Type: Depth (inches): Remarks: Pit under water YDROLOGY Vetland Hydrology Indicators:		Hydric Soil Present? Yes <u>K</u> No
Type: Depth (inches): Remarks: Pit under water /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; of	check all that apply)	Hydric Soil Present? Yes K No No
Type: Depth (inches): Remarks: Pit Under Wat25 /DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one required; of) 	check all that apply) Water-Stained Leaves (B9) (except	Hydric Soil Present? Yes <u>K</u> No <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2
Type: Depth (inches): Remarks: Pit Under Wad25 //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; of 	check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	Hydric Soil Present? Yes <u>K</u> No <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Type: Depth (inches): temarks: Pit Under Water /DROLOGY // // // / / / / / / / / / / / / / /	<u>check all that apply)</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Hydric Soil Present? Yes K No No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Type: Depth (inches): Remarks: Pit Under Wat25 //DROLOGY //CROLOGY	check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	Hydric Soil Present? Yes <u>K</u> No <u>No</u> <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)
Type: Depth (inches): Remarks: Pit Under Waters //DROLOGY // // // // // // // // // // // // //	<u>check all that apply)</u> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Hydric Soil Present? Yes <u>No</u> 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)
Type: Depth (inches): Remarks: Pit Under Water //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; of 	<u>check all that apply)</u> <u>Water-Stained Leaves (B9) (except</u> <u>MLRA 1, 2, 4A, and 4B)</u> <u>Salt Crust (B11)</u> <u>Aquatic Invertebrates (B13)</u> <u>Hydrogen Sulfide Odor (C1)</u> <u>Oxidized Rhizospheres along Living Roots</u>	Hydric Soil Present?       Yes       No
Type: Depth (inches): Remarks: Pit UMAR Wates //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; of 	<u>check all that apply)</u> <u>Water-Stained Leaves (B9) (except</u> <u>MLRA 1, 2, 4A, and 4B)</u> <u>Salt Crust (B11)</u> <u>Aquatic Invertebrates (B13)</u> <u>Hydrogen Sulfide Odor (C1)</u> <u>Oxidized Rhizospheres along Living Roots</u> <u>Presence of Reduced Iron (C4)</u>	Hydric Soil Present?       Yes       No
Type: Depth (inches): Remarks: Pit UMD Watts //DROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one required; of 	<u>check all that apply)</u> 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 Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	Hydric Soil Present? Yes <u>Ves</u> 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 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Type: Depth (inches): Remarks: PH UMD Wat25 YDROLOGY Vetland Hydrology Indicators: Itimary Indicators (minimum of one required; of 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)	<u>check all that apply)</u> Water-Stained Leaves (B9) (except <u>MLRA 1, 2, 4A, and 4B)</u> Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	Hydric Soil Present? Yes <u>No</u> <u>No</u> <u>Secondary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2)</u> <u>4A, and 4B)</u> <u>Drainage Patterns (B10)</u> <u>Dry-Season Water Table (C2)</u> <u>Saturation Visible on Aerial Imagery (C9)</u> <u>Stallow Aquitard (D3)</u> <u>FAC-Neutral Test (D5)</u> <u>Baised Ant Mounds (D6) (LBB A)</u>
Type: Depth (inches): Remarks: PH UMD Wat25 YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	Hydric Soil Present? Yes <u>No</u> <u>No</u> <u>Secondary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2</u> 4A, and 4B) <u>Drainage Patterns (B10)</u> <u>Dry-Season Water Table (C2)</u> <u>Saturation Visible on Aerial Imagery (C9)</u> <u>Stallow Aquitard (D3)</u> <u>FAC-Neutral Test (D5)</u> <u>Raised Ant Mounds (D6) (LRR A)</u> <u>Frost-Heave Hummacks (D7)</u>

rield Observations.				
Surface Water Present?	Yes <u>1</u> No	Depth (inches):	and the second second	
Water Table Present?	Yes + No	_ Depth (inches): 50 1-face		
Saturation Present? (includes capillary fringe)	Yes <u>+</u> No	_ Depth (inches):	Wetland Hydrology Present?	Yes X No
Describe Recorded Data (st	ream gauge, monitoring	g well, aerial photos, previous insp	ections), if available:	
Remarks:	1			
	,			

WETLAND DETERMINATION D	ATA FORM -	- Western Mour	ntains, Valleys, a	and Coast Region
Project/Site: WestPort Light S.	City	County: West	Port	Sampling Date: 4-2-2(
Applicant/Owner: State Park			State: WA	Sampling Point: SP-A 24
Investigator(s): Pitamidi	Sec	tion, Township, Ran	ge:	
Landform (hillslope terrace etc.): IN ter dunce		cal relief (concave, c	onvex none): (a	nvex Slope (%): 3
Subregion (LRR): A	Lat:			Datum:
Soil Man Linit Name: VaQU: VQ		1. S. M. 1997 (S. 1997)	NIM clas	sification: DPKNO
Are elimetic / hydrologic conditions on the site typical for the	is time of user2	Ver V Ne		in Remarka )
	is time of year?		(if no, explain	
Are vegetation, Soli, or Hydrology	significantly dist	urbed? Are "	Normal Circumstance	es present? res <u>x</u> No
Are Vegetation, Soil, or Hydrology	naturally proble	matic? (If nee	eded, explain any an	swers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point lo	cations, transe	cts, important features, etc.
Hydrophytic Vegetation Present? Yes N	No X	and the state of the		1. N. 1. 1. 1. 1. 1.
Hydric Soil Present? Yes I	No X	Is the Sampled	Area	No. ×
Wetland Hydrology Present? Yes I	No X	within a Wetlan	d? Yes_	N8 <u>/~</u>
Remarks: Photos 25-27				
12Phind along speciest.	46			
VECETATION Her startific	HO .	and the second s		
VEGETATION – Use scientific names of plan	nts.			
Tree Stratum (Plot size: 3)	Absolute D % Cover Si	ominant Indicator becies? Status	Dominance Test w	vorksheet:
1. Pinus contorts	70	Y FAC	That Are OBL, FAC	W, or FAC: (A)
2		/	Total Number of De	minant
3			Species Across All	Strata: <u> </u>
4			Porcent of Dominar	t Species
Saulias (Shark Stratum (Distance 15'	_70_=	Total Cover	That Are OBL, FAC	W, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 12)	25 1	1 EAU	Prevalence Index	worksheet:
2 Vacci Nive Ovation	20	FACU	Total % Cover	of: Multiply by:
3 Movella California	10	EACUI	OBL species	<u>15 x1= 15 </u>
4	_ <u></u>	LICE	FACW species	0 x2= 20
5.		C. Commence	FAC species	70 x3= 210
cl	55 =	Total Cover	FACU species	<u>95</u> ×4= <u>180</u>
Herb Stratum (Plot size:)	1- 1	1 681	UPL species	140 ×5=
1. Larex ODENOPIS	- 15 -		Column Totals:	1 - 10 (A) $- 425$ (B)
2			Prevalence In	dex = $B/A = 3.04$
3			Hydrophytic Veget	tation Indicators:
4			1 - Rapid Test 1	for Hydrophytic Vegetation
5		12.000	2 - Dominance	Test is >50%
7			3 - Prevalence	Index is ≤3.0'
8.			4 - Morphologic data in Rem	arks or on a separate sheet)
9			5 - Wetland No	n-Vascular Plants <sup>1</sup>
10			Problematic Hy	drophytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric	soil and wetland hydrology must
15'	15 =T	otal Cover	be present, unless	disturbed or problematic.
Woody Vine Stratum (Plot size: 13)		6		
1			Hydrophytic	
2		<u> </u>	Vegetation Present?	Yes No X
% Bare Ground in Herb Stratum	_ <u></u> =T	otal Cover		
Remarks:				

C	റ	н	
0	U		-

SP-A74

Profile Description: (Description: (Description: Description: (Description: Description: (Description: Description: D	SOIL	Sampling Point:
Depth       Matrix       Redox Features       Totalue       Remarks         Y-O       2./5Y       Y/12       //20       Y/12       //20       Y/12       //20       Y/12       //20       <	Profile Description: (Describe to the depth needed to document the	indicator or confirm the absence of indicators.)
Color (moist)       %       Color (moist)       %       Type       Lec <sup>2</sup> Texture       Remarks         D - S       2.5 Y       Y       1/2       1/20	Depth Matrix Redox Featur	es
9-5         2,5 Y         4/2         1/25           8-76         2,5 Y         4/15         1/55           9-76         2,5 Y         1/157         1/55           9-76         2,5 Y         1/157         1/55           9-76         2,5 Y         1/157         1/57           9-76         2,5 Y         1/157         1/57           9-76         1/157         1/57         1/57           9-76         1/157         1/57         1/57	(inches) Color (moist) % Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup> Texture Remarks
D - B       2.5 Y       Y       I/2       I/2       I/2         B - IB       2.5 Y       Y       I/2       I/2       I/2         B - IB       2.5 Y       Y       I/2       I/2       I/2         Type: C-Concentration, D=Depletion, RM-Reduced Matrix, CS=-Covered or Coated Sand Grains. <sup>3</sup> Location: PL=Pore Lining, M=Matrix, Verific Solis <sup>1</sup> :       Indicators: (Applicable to all LRRs, unless otherwise noted.)       Indicators for Problematic Hydric Solis <sup>1</sup> :         Histos (A1)       Sandy Mucky Mineral (F1)       Sondy Mucky Mineral (F1)       Other (Explain in Remarks)         Depleted Bork Matrix (C3)       Learny Gieged Matrix (F2)       Other (Explain in Remarks)         Trick Dark Surface (A12)       Redox Dercessions (F6)       "Indicators of hydrophylic vegetation and wetland hydrology must be present.         Sandy Mucky Mineral (S1)       Depleted Matrix (F2)       Other (Explain in Remarks)         Depleted Matrix (C4)       Redox Dercessions (F6)       unless disturbed or problematic.         Stardse Wathy Mineral (S1)       Depleted Matrix (F2)	<u> </u>	
8-18       2.54       4.55         Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Costed Sand Grains. <sup>3</sup> Location: PL=Pore Lining, M=Matrix, Verific Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)         Indicators: (Applicable to all LRRs, unless otherwise noted.)       Indicators for Problematic Hydric Soils':         Histic Epipedon (A2)       Stindped Matrix (S6)       = Aed Parent Material (TF2)         Black Histic (A3)       Loamy Mudxy Mineral (F1)       Red Parent Material (TF2)         Phydrog Natifide (A4)       Loamy Gloyed Matrix (F2)	0-8 2,54 4/2 100	LFs
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains.       *Location: PL=Pore Lining, M=Matrix, Yafric Solis':         Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains.       *Location: PL=Pore Lining, M=Matrix, Yafric Solis':         Histos (A1)	8-18 25114/15100	LFS
Type:       C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coaled Sand Grains.       *Location: PL=Pore Lining, M=Matrix, type of Coaled Sand Grains.         Ypei:       C-Concentration, D-Depletion, RM-Reduced Matrix, CS-Covered or Coaled Sand Grains.       *Location: PL=Pore Lining, M=Matrix, type of Matrix, type of M	<u> </u>	
Type:       C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains.       *Location: PL=Pore Lining, M=Matrix, Variable Sand Sand Sand Sand Sand Sand Sand Sand		
Type:       C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix, Variable Control (Applicable to all LRRs, unless otherwise noted.)        Indicators: (Applicable to all LRRs, unless otherwise noted.)          Histo Epipedon (A2) Histo Epipedon (A2) Biack Histic (A3) Loamy Mucky Mineral (F1) Depleted Below Dark Surface (T12) Depleted Below Dark Surface (A11) Depleted Matrix (F2) Trikc Dark Surface (A12) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydroolgy must be present, unless disturbed or problematic.          Ketrictive Luyer (if present): Type: Legramitic: trimaty Dark Surface (A12) Surface (M12) Surface (M12) MLRA 1, 2, 4A, and 4B) Surface (M12) MuRA 1, 2, 4A, and 4B) Surface (M1		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains.       *Location: PL=Pore Lining, M=Matrix, 2014         Histosol (A1)       Sandy Redox (S5)       Indicators for Problematic Hydric Solis*:         Histosol (A2)       Stripped Matrix (S6)       Red Parent Material (TF2)         Black Histic (A3)       Loarny Gleyed Matrix (F2)       Other (Explain in Remarks)         Depleted Both Surface (A11)       Depleted Matrix (F3)       Other (Explain in Remarks)         Thick Dark Surface (A12)       Redox Dark Surface (F7)       unless disturbed or problematic.         Sandy Gleyed Matrix (S1)       Depleted Matrix (F3)       Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Sandy Gleyed Matrix (S4)       Redox Depressions (F5)       unless disturbed or problematic.         Secondary Indicators:       image Patterns (B10)       Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)         Sandy Cleyes (B1)       Aquatic Invertebrates (B13)       Dry-Season Vater Table (C2)         Sufface Water (A1)       Salt Crust (B11)       Dry-Season Vater Table (C2)         Year Matrix (B1)       Aquatic Invertebrates (B13)       Dry-Season Vater Table (C2)         Sufface Water (A1)       Presence or Reduced In (C4)       Salturation Visible on Aerial Imagery (C9)         Sufface Water (A1)       Presence or Reduced In (C4)       <		
Type:       C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>3</sup> Location: PL=Pore Lining, M=Matrix, Variable Content of the con		
Type:       C-concentration. D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains. <sup>1</sup> Location: PL=Pore Lining, M=Matrix.         Type:       C-concentration. D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains. <sup>1</sup> Location: PL=Pore Lining, M=Matrix.         Histos Epideon (A2)       Sandy Redox (S5)		
Type:         Concentration, D=Leptetion, RM=Keduced Matrix, CS=Covered or Coaled Sand Grains.         Trucation:         PL=Pore Lining, M=Matrix, Indicators (PL=Pore Lining, M=Matrix, CS)           Histics (A1)         Sandy Redox (S5)          Indicators (PL=Pore Lining, M=Matrix, CS)           Histic Epipedion (A2)         Singbed Matrix (S6)              Black Histic (A3)         Loamy Mucky Mineral (F1) (except MLRA 1)         Very Shallow Dark Surface (F12)            Depleted Matrix (S4)         Redox Dark Surface (F7)              Sandy Gleyed Matrix (S4)         Redox Dark Surface (F7)              Sandy Gleyed Matrix (S4)         Redox Dark Surface (F7)              Sandy Gleyed Matrix (S4)         Redox Depressions (F5)              Trype:		
Philosof (Af)	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Coverd	ad or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix.
	Historol (A1)	indicators for Problematic Hydric Soils":
Image Lappeour (xz)	Listic Epipeden (A2)	2 cm Muck (A10)
□	Stripped Matrix (S6)	Ked Parent Material (TF2)
	Hydrogen Sulfide (A4)     Loamy Glaved Matrix (5)	(except WILKA 1) very Shallow Dark Sufface (1F12)
	Depleted Below Dark Surface (A11) Depleted Matrix (F3)	
	Thick Dark Surface (A12) Redox Dark Surface (E6	<sup>3</sup> Indicators of hydrophytic vegetation and
	Sandy Mucky Mineral (S1) Depleted Dark Surface (	(F7) wetland hydrology must be present
estrictive Layer (if present):         Type:         Depth (inches):         termarks:         //DROLOGY         //etland Hydrology Indicators:         timary Indicators (minimum of one required: check all that apply)	Sandy Gleyed Matrix (S4) Redox Depressions (F8)	) unless disturbed or problematic.
Type:	Restrictive Layer (if present):	
Depth (inches):	Туре:	
YDROLOGY         Vettand Hydrology Indicators:         trimary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)	Depth (inches):	Hydrig Spil Braspart? Yos No. N
YDROLOGY         Vetland Hydrology Indicators:         trimary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)	Demarke:	
Vetland Hydrology Indicators:         trimary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)		
Vetrand Hydrology indicators:       Secondary Indicators:         trimary Indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)		
Immary indicators (minimum of one required; check all that apply)       Secondary Indicators (2 or more required)	vetiand Hydrology indicators:	
Surface Water (A1)	rimary indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
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 Roots (C3)       Geomorphic Position (D2)         Algal Mat or Crust (B4)       Presence of Reduced Iron (C4)       Shallow Aquitard (D3)         Iron Deposits (B5)       Recent Iron Reduction in Tilled Soils (C6)       FAC-Neutral Test (D5)         Surface Soil Cracks (B6)       Stunted or Stressed Plants (D1) (LRR A)       Raised Ant Mounds (D6) (LRR A)         Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Frost-Heave Hummocks (D7)         Sparsely Vegetated Concave Surface (B8)       Depth (inches):       Depth (inches):       No         Vater Table Present?       Yes       No       Depth (inches):       No	_ Surface Water (A1) Water-Stained Lea	ves (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 Invertebrat	es (B13) Dry-Season Water Table (C2)
	_ Sediment Deposits (B2) Hydrogen Sulfide C	Idor (C1) Saturation Visible on Aerial Imagery (C9)
_ Algal Mat or Crust (B4)       Presence of Reduced Iron (C4)       Shallow Aquitard (D3)         _ Iron Deposits (B5)       Recent Iron Reduction in Tilled Soils (C6)       FAC-Neutral Test (D5)         _ Surface Soil Cracks (B6)       Stunted or Stressed Plants (D1) (LRR A)       Raised Ant Mounds (D6) (LRR A)         _ Inundation Visible on Aerial Imagery (B7)       Other (Explain in Remarks)       Frost-Heave Hummocks (D7)         _ Sparsely Vegetated Concave Surface (B8)	_ Drift Deposits (B3) Oxidized Rhizosphe	eres along Living Roots (C3) Geomorphic Position (D2)
_ Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) FAC-Neutral Test (D5) _ Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A) _ Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Frost-Heave Hummocks (D7) _ Sparsely Vegetated Concave Surface (B8) eld Observations: urface Water Present? Yes No X Depth (inches): fater Table Present? Yes No X Depth (inches): aturation Present? Yes No X Depth (inches): aturation Present? Yes No X Depth (inches): aturation Present? Yes No X Depth (inches):	_ Algal Mat or Crust (B4) Presence of Reduc	ed Iron (C4) Shallow Aquitard (D3)
Surface Soil Cracks (B6)Stunted or Stressed Plants (D1) (LRR A)Raised Ant Mounds (D6) (LRR A) Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarks)Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) eld Observations:  atter Table Present? YesNo X Depth (inches): aturation Present? YesNo XDepth (inches): aturation Present? YesNo XDepth (inches): moludes capillary fringe)	_ Iron Deposits (B5) Recent Iron Reduct	ion in Tilled Soils (C6) FAC-Neutral Test (D5)
_ Inundation Visible on Aerial Imagery (B7)Other (Explain in Remarks)Frost-Heave Hummocks (D7) Sparsely Vegetated Concave Surface (B8) eld Observations: urface Water Present? YesNo _X Depth (inches): /ater Table Present? YesNo _X Depth (inches): aturation Present? YesNo _X Depth (inches): mcludes capillary fringe) Wetland Hydrology Present? Yes No _X	_ Surface Soil Cracks (B6) Stunted or Stressed	J Plants (D1) (LRR A) Raised Ant Mounds (D6) (LRR A)
Sparsely Vegetated Concave Surface (B8) ield Observations: urface Water Present? Yes No _X Depth (inches): /ater Table Present? Yes No _X Depth (inches): aturation Present? Yes No _X Depth (inches): ncludes capillary fringe) Wetland Hydrology Present? Yes No _X	_ Inundation Visible on Aerial Imagery (B7) Other (Explain in R	emarks) Frost-Heave Hummocks (D7)
eld Observations:       Ves       No       Depth (inches):       Ves         urface Water Present?       Yes       No       Depth (inches):       Ves         vater Table Present?       Yes       No       Depth (inches):       Ves         aturation Present?       Yes       No       Depth (inches):       Ves         includes capillary fringe)       Ves       No       No       Xes	_ Sparsely Vegetated Concave Surface (B8)	
urface Water Present?       Yes No _X Depth (inches):         /ater Table Present?       Yes No _X Depth (inches):         /aturation Present?       Yes No _X Depth (inches):         aturation Present?       Yes No _X Depth (inches):         includes capillary fringe)       Wetland Hydrology Present? Yes No _X	old Observations:	
/ater Table Present? Yes No X Depth (inches): aturation Present? Yes No Y Depth (inches): Includes capillary fringe) Wetland Hydrology Present? Yes No X		
aturation Present? Yes <u>No bepth</u> (inches): <u>Wetland Hydrology Present?</u> Yes <u>No K</u>	urface Water Present? Yes No X Depth (inches):	
ncludes capillary fringe)	urface Water Present? Yes No X Depth (inches): /ater Table Present? Yes No X Depth (inches):	
second and Date (strategy gauge manifering well early betagen and the state	urface Water Present? Yes No _X_ Depth (inches): /ater Table Present? Yes No _X_ Depth (inches): aturation Present? Yes No _X_ Depth (inches):	Wetland Hydrology Present? Yes No 🕅

Remarks:
WETLAND DETERMINATION D	DATA FORM -	Western Mou	intains, Valleys, and Coast Region
roject/Site: West Port Ligh S.	P. city/C	ounty: We	stPort Sampling Date: 4-26-2
pplicant/Owner: State Parils			State: WA Sampling Point: SP-76-
vestigator(s): P. Hamidi	Section	on, Township, Ra	ange:
indform (hillslope terrace etc.): "Interdu.	Val Loca	I relief (concave,	convex, none): Con Calde Slope (%): 1
ubregion (LBR): A	Lat:		Long: Datum:
il Man Unit Name: PUNE Land			NWI classification: PSSC
e climatic / bydrologic conditions on the site typical for	this time of year? Y	es No	(If no. explain in Remarks.)
vertextion Soil or Hydrology	significantly distur	thed? Are	"Normal Circumstances" present? Yes X No
e Vegetation Soil or Hydrology	naturally problem	atic? (If n	eeded, explain any answers in Remarks.)
			leasting transate important features atc
UMMARY OF FINDINGS – Attach site ma	p showing san	ipling point i	locations, transects, important reatures, etc.
Hydrophytic Vegetation Present?     Yes _ 义       Hydric Soil Present?     Yes _ メ       Wetland Hydrology Present?     Yes _ K	No No No	Is the Sampled within a Wetla	d Area nd? Yes No
Remarks: halow hor Mal Pr	18:10		
plander 1711-17	714.		
	(		
EGETATION – Use scientific names of pla	ants.		Development Testave disheret
Free Stratum (Plot size: 30')	Absolute Dor <u>% Cover</u> Spe	cies? Status	Number of Dominant Species 3
Alnus rubia	15 .	FAC	That Are OBL, FACW, or FAC: (A)
		<u> </u>	Total Number of Dominant 3
			Species Across All Strata: (B)
	16 -		Percent of Dominant Species /00
Sapling/Shrub Stratum (Plot size: 15)			That Are OBL, FACW, or FAC: (A/B)
Salix Hookerdans	60 1	L PACO	Total % Cover of: Multiply by:
Lonicure involventa		_ FAC	OBL species x 1 =
•			FACW species x 2 =
			FAC species x 3 =
~	605 = TO	tal Cover	FACU species x 4 =
lerb Stratum (Plot size:)		1 601	UPL species x 5 =
Caver obnupty	- 75 - 7	- va	Column Totals: (A) (B)
·	/		Prevalence Index = B/A =
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			3 - Prevalence Index is <3.01
			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
l			data in Remarks or on a separate sheet)
			5 - Wetland Non-Vascular Plants
10			Problematic Hydrophytic Vegetation' (Explain)
	aL -		be present, unless disturbed or problematic.
Noody Vine Stratum (Plot size: 15')	<u></u> = To	tai Cover	
1		2	Hydrophytic
2			Vegetation
	0 = To	tal Cover	

Sampling Point: SP-76-1 SOIL Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix **Redox Features** Remarks Type Loc<sup>2</sup> Color (moist) Texture (inches) Color (moist) % Cifter @ 2.54 4/1.5 100 2,54 4/1 4/3 <sup>2</sup>Location: PL=Pore Lining, M=Matrix. <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Indicators for Problematic Hydric Soils<sup>3</sup>: Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) 2 cm Muck (A10) X Sandy Redox (S5) Histosol (A1) \_\_\_ Red Parent Material (TF2) Stripped Matrix (S6) Histic Epipedon (A2) Very Shallow Dark Surface (TF12) Loamy Mucky Mineral (F1) (except MLRA 1) Black Histic (A3) \_\_\_ Other (Explain in Remarks) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) <sup>3</sup>Indicators of hydrophytic vegetation and Redox Dark Surface (F6) Thick Dark Surface (A12) wetland hydrology must be present, Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) unless disturbed or problematic. Sandy Gleyed Matrix (S4) Redox Depressions (F8) **Restrictive Layer (if present):** Type: Hydric Soil Present? Yes No Depth (inches): Remarks: HYDROLOGY Wetland Hydrology Indicators

Primary Indicators (minimum of one required:	check all that apply)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B7)</li> <li>Sparsely Vegetated Concave Surface (B8)</li> </ul>	Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B)     Salt Crust (B11)     Aquatic Invertebrates (B13)     Hydrogen Sulfide Odor (C1)     Oxidized Rhizospheres along Li     Presence of Reduced Iron (C4)     Recent Iron Reduction in Tilled     Stunted or Stressed Plants (D1)     Other (Explain in Remarks)	cept       ★       Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Field Observations:         Surface Water Present?       Yes No         Water Table Present?       Yes No         Saturation Present?       Yes No         (includes capillary fringe)       Describe Recorded Data (stream gauge, mon	Depth (inches): Depth (inches): Depth (inches): Depth (inches): itoring well, aerial photos, previous insp	Wetland Hydrology Present? Yes X No
Remarks: Observed Withingt	logy in march fe	or Neerly 51 miller ares

roject/Site: WEST FORT LISHT S.P		City/County:	West	TOT	_ Sampling Date	700-4
pplicant/Owner: Starte Caries				State: WA	Sampling Poin	t <u>57-76-2</u>
vestigator(s): T. Hemidi		Section, Tow	vnship, Rai	nge:		
andform (hillslope, terrace, etc.):		Local relief	(concave, o	convex, none): Can	ICK S	Slope (%): 3
ubregion (LRR):	Lat:			Long:	Da	atum:
oil Map Unit Name: DUNC Land		-		NWI classifi	cation: UP	GND
re climatic / hydrologic conditions on the site typical for th	nis time of ye	ar? Yes	No	(If no, explain in I	Remarks.)	
re Vegetation, Soil, or Hydrology	significantly	disturbed?	Are "	Normal Circumstances"	present? Yes_	X No
re Vegetation, Soil, or Hydrology	naturally pro	blematic?	(If ne	eded, explain any answ	ers in Remarks.)	
UMMARY OF FINDINGS - Attach site map	showing	sampling	point le	ocations, transects	s, important	features, etc
Hydrophytic Vegetation Present? Yes I	No K					
Hydric Soil Present? Yes	No K	Is the	Sampled	Area	No X	
Wetland Hydrology Present? Yes	No K	withi	n a wetian	id? res	NO K	-1
Remarks: below Normal Pree; P.	1					
Photos 178-181						
EGETATION - Use scientific names of pla	nts.			A		
7.1	Absolute	Dominant	Indicator	Dominance Test wor	ksheet:	
1 Pinus C Ntautt	% Cover	Species?	Status	Number of Dominant S	Species	Z
2 1.00.3 2010 104.04	_ 50_		+ MC	That Are OBL, FACW,	or FAC:	(A)
3.				Total Number of Domi	nant	4
4				· Species Across Air Si	ald	
15/	_50	= Total Cov	ver	<ul> <li>Percent of Dominant S</li> <li>That Are OBL, FACW.</li> </ul>	or FAC:	O (A/B)
Sapling/Shrub Stratum (Plot size:)	15	v	1.01	Prevalence Index wo	rksheet:	
Vaccinium Ovatum	- 15	-1	FARIS	Total % Cover of:	Mult	tiply by:
MOYENG CELIFONDICE	5		FACL	OBL species	x1=	
4				FACW species	x 2 =	
5	2.2.2			FAC species	× 3 =	
Jath Stratum (Plateiza: 51)	25	= Total Cov	/er	LIPL species	×4=	
1 Caller O'sine and	10	Y	ORI	Column Totals:	X 5 =	(P)
Hypochaeris radicates	10	Y	FACU			(6)
3. Itolkus langtus	2		FAC	Prevalence Inde	x = B/A =	
1. Morely C				1 - Rapid Test for	Hydrophytic Ver	notation
5				2 - Dominance Te	st is >50%	Jetation
3				3 - Prevalence Inc	tex is ≤3.0 <sup>1</sup>	
7	-			4 - Morphological	Adaptations <sup>1</sup> (Pr	rovide supporting
B				data in Remark	ks or on a separa	ate sheet)
10	-			Problematic Hude	vascular Plants'	n <sup>1</sup> (Evelain)
11.	-			<sup>1</sup> Indicators of hydric se	opinytic vegetation	vdrology must
internet and	22	= Total Cov	er	be present, unless dis	turbed or proble	matic.
Woody Vine Stratum (Plot size: <u>KS</u> )						1.00
1 2 ·				Hydrophytic		
	0	= Total Car		Present? Y	es No	X
		- TOTAL COV	er			

SOIL

Sampling Point: SP- 76-2

		Sampling Point:
Profile Description: (Describe to the depth no	eeded to document the indicator or confirm	the absence of indicators.)
(inches) Color (moist) %	Redox Features	Toxturo Remarks
		b, ff
3 2 54 2/2 /0		15
2-2 6154 216 100 -		LPS
3-9 2544/2 100 _		LFS
9-18 2,54 4/2 97 2	544/3 2 C M	LES
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Red	luced Matrix, CS=Covered or Coated Sand Gra	ains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LRR	ts, unless otherwise noted.)	Indicators for Problematic Hydric Soils':
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
Inick Dark Surface (A12)	Redox Dark Surface (F6)	indicators of hydrophytic vegetation and
Sandy Musicy Miserral (S1)	Depleted Dede Curfese (C7)	welland hudralagy must be present
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present,
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Laver (if present):	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches):	Depleted Dark Surface (F7) Redox Depressions (F8)	Hydric Soil Present? Yes
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.         Hydric Soil Present?       Yes No
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8)	Hydric Soil Present? Yes No K
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8)	Wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8)	Hydric Soil Present? Yes No K
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.         Hydric Soil Present?       Yes NoX
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8)	Wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Depth (inches): Remarks:  HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Depth (inches): Remarks:  HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch Surface Water (A1)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic.  Hydric Soil Present? Yes No _K
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:  HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; chSurface Water (A1)High Water Table (A2)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks:  HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; chSurface Water (A1)High Water Table (A2)Saturation (A3)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No No   <u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) Restrictive Layer (if present): Type: Depth (inches): Remarks: Remarks: flyDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; chSurface Water (A1)High Water Table (A2)Saturation (A3)Water Marks (B1)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No No No No No No  No   No  
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth (inches): Remarks:  IYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	Depleted Dark Surface (F7) Redox Depressions (F8)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No    
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth (inches): Remarks:  HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Depleted Dark Surface (F7) Redox Depressions (F8) meck all that apply) 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 Roots	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No 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 s (C3) Geomorphic Position (D2)
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth (inches): Remarks:  HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required: ch Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	Depleted Dark Surface (F7) Redox Depressions (F8) meck all that apply) 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 Roots Presence of Reduced Iron (C4)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No 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 s (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
Sandy Mucky Mineral (S1)     Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches): Remarks:	Depleted Dark Surface (F7) Redox Depressions (F8) meck all that apply) 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 Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No    
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth (inches): Remarks:  HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch 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)	Depleted Dark Surface (F7) Redox Depressions (F8) meck all that apply) 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 Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No  No    
Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4)  Restrictive Layer (if present): Type: Depth (inches): Remarks:  HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch 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)	Depleted Dark Surface (F7) Redox Depressions (F8) meck all that apply) 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 Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No
Sandy Mucky Mineral (S1)     Sandy Gleyed Matrix (S4)  Restrictive Layer (if present):  Type: Depth (inches): Remarks:   HYDROLOGY  Wetland Hydrology Indicators: Primary Indicators (minimum of one required; ch 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)	Depleted Dark Surface (F7) Redox Depressions (F8) meck all that apply) 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 Roots Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Stunted or Stressed Plants (D1) (LRR A) Other (Explain in Remarks)	wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No   

Depth (inches):

No K Depth (inches):

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes

Yes

No X

Water Table Present?

(includes capillary fringe)

Saturation Present?

Remarks:

x

No

Wetland Hydrology Present? Yes

WETLAND DETERMINATION D	ATA FORM – Western M	lountains, Valleys, and (	Coast Region
Project/Site: WestPort Lisht S,1	), City/County le	restport .	-26-
Applicant/Owner: Stat, REMIS	Only/Oblinty	States (1)A	ampling Date: SP-T7
nvestigator(s): P. Hamid!	<b>.</b>	State: S	ampling Point: <u>37-77</u>
andform (hillologo Association 141 Block 11	Section, Township	, Range:	10 1
handion (Initistope, terrace, etc.):	Local relief (conca	ive, convex, none): Corre	Slope (%):
ubregion (LRR):	Lat:	Long:	Datum:
oil Map Unit Name: DON2 Land		NWI classificati	on: PSSC
re climatic / hydrologic conditions on the site typical for the	his time of year? Yes N	lo <u>K</u> (If no, explain in Rem	arks.)
re Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" pre	sent? Yes K No
re Vegetation, Soil, or Hydrology	naturally problematic?	If needed, explain any answers	n Remarks.)
UMMARY OF FINDINGS - Attach site may	showing sampling poi	nt locations, transects, i	mportant features, etc.
Hydrophytic Vegetation Present? Yes X	No		
Hydric Soil Present? Yes X.	No Is the Sam	pled Area	
Wetland Hydrology Present? Yes X	No within a We	etland? Yes	No
remarks: below Normal Prev	0:0		
Photos 103-185	- ir		
EGETATION - Use scientific names of pla	into		
	Absolute Dominant Indian	ter I Demission Testandat	
Tree Stratum (Plot size: 30)	<u>% Cover</u> Species? Statu	S Number of Dominant Sport	eet:
1. PINUS CONDENSE	10 Y FK	That Are OBL, FACW, or I	AC: (A)
2		- Total Number of Dominan	U
3		Species Across All Strata:	۲ (B)
4		Percent of Dominant Sper	ies Loo
Sapling/Shrub Stratum (Plot size: 15)	= Total Cover	That Are OBL, FACW, or	FAC: 100 (A/B)
1. Salix hookeriena	60 Y FA	Prevalence Index works	neet:
2. Lonicera Involvareta	5 FA	C Total % Cover of:	Multiply by:
3. spirala douglasi	10 FA	OBL species	x 1 =
4. Movella Californica	10 FAC	FACW species	x 2 =
5. Vaccinium ougtum	FA	P FAC species	x3=
, Majus Lusce 5 FAC	W 93 = Total Cover	FACU species	x4=
Herb Stratum (Plot size:)	32 V OR	/ Column Tatalar	_ ×5=
Maxon Ca Scittalade	- 15 V 00		(A)(B)
3	-12-1-00	Prevalence Index =	B/A =
		— Hydrophytic Vegetation	Indicators:
5.		- 1 - Rapid Test for Hyd	Irophytic Vegetation
6.		2 - Dominance Test is	>50%
7		3 - Prevalence Index	is ≤3.0'
8		data in Remarks of	ptations' (Provide supporting
9		5 - Wetland Non-Vas	cular Plants <sup>1</sup>
10		Problematic Hydroph	tic Vegetation <sup>1</sup> (Explain)
11		<sup>1</sup> Indicators of hydric soil a	nd wetland hydrology must
Woody Vine Stratum (Plot size: 15	= Total Cover	be present, unless disturb	ed of problematic.
1.			
2	0		
	= Total Cover	Present? Yes	No
% Bare Ground in Horb Stratum	I Otal COVEL		
% bare Ground in Herb Stratum	¥-		

SOIL

epth	Matrix		Redo	x Features	1.2.2.			
nches)	Color (moist)	_%	Color (moist)	_%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0							Duff	
-12	2,54 1/2	95	104R 4/4	5	C	n	LFS	
-18	54511	80	104RY14	20	C	m	ESL	
_				_		_		
De: C=C Iric Soil	oncentration, D=Dep Indicators: (Applic	pletion, RM able to all	=Reduced Matrix, CS LRRs, unless other	S=Covered rwise note	or Coate	ed Sand Gr	rains. <sup>2</sup> Lo Indicate	ocation: PL=Pore Lining, M=Matrix. ors for Problematic Hydric Soils <sup>3</sup> : m Muck (A10)
Histoso Histic E Black H Hydroge Deplete	pipedon (A2) listic (A3) en Sulfide (A4) ed Below Dark Surface lark Surface (A12)	e (A11)	<ul> <li>Stripped Matrix</li> <li>Loamy Mucky N</li> <li>Loamy Gleyed</li> <li>Depleted Matrix</li> <li>Beday Dark Su</li> </ul>	(S6) Mineral (F1 Matrix (F2) (F3)	) (except	MLRA 1)	Rec Ver Oth	d Parent Material (TF2) ry Shallow Dark Surface (TF12) her (Explain in Remarks)
Sandy I Sandy I	Mucky Mineral (S1) Gleyed Matrix (S4)	'n	Depleted Dark     Redox Depress	Surface (F sions (F8)	7)		wetla	and hydrology must be present, ss disturbed or problematic.
strictive	Layer (if present):							
ype:							Sec. and	
Depth (Ir	(CDAC)						I IL add - Oat	
marks:							Hydric Soi	Present? Yes <u>&amp;</u> No
DROLC	DGY /drology Indicators		- h				Hydric Soi	Present? Yes <u>X</u> No
marks: DROLC etland Hy mary Ind Surface High W Saturat Water M Sedime Drift De Algal M Iron De Surface	DGY vdrology Indicators icators (minimum of v water (A1) vater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) eposits (B3) at or Crust (B4) posits (B5) e Soil Cracks (B6)	: one require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted on	y) ined Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od Rhizospher of Reduce on Reduction Stressed	es (B9) (e nd 4B) s (B13) lor (C1) es along d Iron (C4 on in Tille Plants (D	xcept Living Roo 4) d Soils (C6 1) (LRR A	Hydric Soi	Andary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
marks: DROLC Mand Hy mary Ind Surface High W Saturat Water M Sedime Drift De Algal M Iron De Surface Inundat Sparsel	DGY vdrology Indicators icators (minimum of of a Water (A1) vater Table (A2) ion (A3) Arks (B1) ent Deposits (B2) posits (B3) at or Crust (B4) posits (B5) a Soil Cracks (B6) ion Visible on Aerial by Vegetated Concav	: one require Imagery (B e Surface (	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irco Stunted ou 7) Other (Exp B8)	y) ined Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od Rhizospher of Reduce on Reduction r Stressed plain in Res	es (B9) (e nd 4B) s (B13) lor (C1) es along d Iron (C4 on in Tille Plants (D marks)	xcept Living Roo 4) d Soils (C6 1) (LRR A	Hydric Soi	Andary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
marks: DROLC Itland Hy mary Indi Surface High W Saturat Water N Sedime Drift De Algal M Iron De Surface Inundat Sparsel Id Obser face Wa Iter Table uration F Sudes ca	DGY vdrology Indicators icators (minimum of v a Water (A1) vater Table (A2) ion (A3) Marks (B1) ent Deposits (B2) posits (B3) at or Crust (B4) posits (B5) a Soil Cracks (B6) ion Visible on Aerial v Vegetated Concav rvations: ter Present? Present? pillary fringe)	Imagery (B e Surface ( res res	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Ex) B8) No Depth (in No Depth (in	y) ined Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od Rhizospher of Reduce on Reduction Stressed plain in Reduction stressed plain in Reduction ches): ches):	es (B9) (e nd 4B) s (B13) lor (C1) es along d Iron (C4 on in Tille Plants (D marks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	Hydric Soi	Andary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Bay Present? Yes X No

WETLAND DETERMINATION	DATA FOR	M – Western Mo	untains, Valleys, and Coast Region
Project/Site: WestPort Light S	.P.	City/County: We	st Bit Sampling Date: 4-26-21
Applicant/Owner: Statz Parks			State: WA Sampling Point: SP-77-
Investigator(s): P. Hamidl		Section Township R	ange:
andform (hillslope terrace etc.): DUNE	1	Local relief (concave	CONJEX Slope (%): 3
Subregion (LRR):	Lat:	Local Teller (concave,	_ Long: Datum:
Soil Map Unit Name: PUNC hund			NWI classification: VPlands
Are climatic / hydrologic conditions on the site typical for	this time of ve	ar? Yes No	X (If no. explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? Are	"Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? (If n	eeded, explain any answers in Remarks.)
SUMMART OF FINDINGS - Attach site ma	p showing	sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes <u>Ves</u>	No X	Is the Sample	d Area
Wetland Hydrology Present? Yes	No	within a Wetla	nd? Yes No
Remarks: 1 2 1 at 1 an = 100 al Over			
Still Horizan Place	SPI		
\$10000 186-188			
VEGETATION – Use scientific names of pla	ants.		
Tree Stratum (Plot size: 3.)	Absolute % Cover	Dominant Indicator	Dominance Test worksheet:
1. PINUS CONTORTO	40	V FAC	Number of Dominant Species 3
2.			
3			Species Across All Strata:
4			
15'	70	= Total Cover	That Are OBL, FACW, or FAC: 75 (A/B)
Sapling/Shrub Stratum (Plot size:	75	V FAL	Prevalence Index worksheet:
2 Vaccinium Olation	- 15	-V FACI	Total % Cover of:Multiply by:
3	_ 10_		OBL species x 1 =
4			FACW species x 2 =
5.	-		FAC species x 3 =
5'	40	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	20	N DBI	OPL species x 5 =
1. Carek oronopta		-Y - DNC	(A) (B)
2. POULSFICTUM MUNITUM		- the	Prevalence Index = B/A =
3. Hypocrutity Horicary			Hydrophytic Vegetation Indicators:
4	_		1 - Rapid Test for Hydrophytic Vegetation
6			X 2 - Dominance Test is >50%
7.			A Morphological Adoptational (Deputide superation
8.			data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants <sup>1</sup>
10	_		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11	_		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Mark Mark Olarkan Amerikan	24	= Total Cover	be present, unless disturbed or problematic.
vvoody vine Stratum (Plot size:)			
1 2			Hydrophytic Vegetation
£		= Total Cover	Present? Yes X No
	-	- Total Cover	
% Bare Ground in Herb Stratum			

SOIL

Sampling Point: SP-T7-2

Denth	Matrix		Dedau Frankruss		
(inches)	Color (moist)	%	Color (moist) % Type <sup>1</sup>	1.00 <sup>2</sup> Te	exture Remarks
7-0					idet
0-19	25441	100			Ξ.C
	C)24 110	100			13
	_				
				-	
ype: C=Conc	entration, D=Dep	letion, RM=Re	duced Matrix, CS=Covered or Coa	ted Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
ydric Soil Indi	icators: (Applic	able to all LR	Rs, unless otherwise noted.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
_ Histosol (A1	1)		Sandy Redox (S5)		2 cm Muck (A10)
_ Histic Epipe	edon (A2)		Stripped Matrix (S6)		Red Parent Material (TF2)
_ Black Histic	: (A3)		Loamy Mucky Mineral (F1) (exception)	pt MLRA 1)	Very Shallow Dark Surface (TF12)
_ Hydrogen S	Sulfide (A4)	- (411)	Loamy Gleyed Matrix (F2)		Other (Explain in Remarks)
_ Depleted Be	Surface (A12)	e (ATT)	Redox Dark Surface (F6)		<sup>3</sup> Indicators of hydrophytic vocatation and
Sandy Muc	ky Mineral (S1)	_	Depleted Dark Surface (F7)		wetland bydrology must be present
Sandy Gley	ved Matrix (S4)		Redox Depressions (F8)		unless disturbed or problematic.
estrictive Lay	ver (if present):			1	
Type:					
Depth (inche	es):			Hv	dric Soil Present? Yes X No
emarks:		ine in	₩~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		,
YDROLOG	Y Plogy Indicators	and in	s		,
YDROLOG Vetland Hydro Primary Indicato	Y blogy Indicators: ors (minimum of d	one required; c	heck all that apply)		, Secondary Indicators (2 or more required)
YDROLOG Vetland Hydro Irimary Indicato Surface Wa	Y blogy Indicators: ors (minimum of c ater (A1)	one required; c	heck all that apply) Water-Stained Leaves (B9) (	/except	, Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
YDROLOG Yetland Hydro Irimary Indicato Surface Wa High Water	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2)	one required; c	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B)	except	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> </ul>
YDROLOG Yetland Hydro Primary Indicato Surface Wa High Water Saturation	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3)	one required; c	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	except	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> </ul>
Verland Hydro Verland Hydro rimary Indicato Surface Wa High Water Saturation ( Water Mark	Y blogy Indicators: ors (minimum of d ater (A1) r Table (A2) (A3) ks (B1)	one required; c	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	except	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> </ul>
YDROLOG Yetland Hydro Yetland Hydro Irimary Indicato Surface Wa High Water Saturation Water Mark Sediment D	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2)	one required; c	heck all that apply) — Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1)	except	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C5)</li> </ul>
YDROLOG Yetland Hydro Yetland Hydro mary Indicato Saturation Water Mark Sediment D Drift Depos	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) (A)) (	one required; c	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along	except g Living Roots (C	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C3 3)</li> </ul>
Vetland Hydro Vetland Hydro Surface Wa High Water Saturation Water Mark Sediment D Drift Depos Algal Mat o	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) (A3) ks (B1) Deposits (B2) bits (B3) or Crust (B4)	one required; c	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C	except g Living Roots (C 24)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> </ul>
YDROLOG Yetland Hydro Yetland Hydro Yetland Hydro Yetland Hydro Yaface Wa Gamma Saturation Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) (Ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5)	one required: c	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till	except g Living Roots (C C4) ed Soils (C6)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> </ul>
Vetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface So	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) ill Cracks (B6)	one required; c	heck all that apply) — Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along — Presence of Reduced Iron (C — Recent Iron Reduction in Till — Stunted or Stressed Plants (	g Living Roots (C 24) ed Soils (C6) D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (CS 3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
Verland Hydro Verland Hydro Verland Hydro Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface So Inundation	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (K) (K) (K) (K) (K) (K) (K) (K	one required; c	heck all that apply) — Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along — Presence of Reduced Iron (C — Recent Iron Reduction in Till — Stunted or Stressed Plants ( — Other (Explain in Remarks)	g Living Roots (C C4) ed Soils (C6) D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Vetland Hydro Vetland Hydro Metland Hydro Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface So Inundation Sparsely Ve	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) ill Cracks (B6) Visible on Aerial egetated Concav	one required; c Imagery (B7) e Surface (B8)	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres alon; Presence of Reduced Iron (C Recent Iron Reduction in Till Stunted or Stressed Plants ( Other (Explain in Remarks)	g Living Roots (C 24) ed Soils (C6) D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (CS 3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Vetland Hydro Vetland Hydro Vetland Hydro Mater Mark Saturation Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface So Inundation Sparsely Ve	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one required; c Imagery (B7) e Surface (B8)	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Stunted or Stressed Plants ( Other (Explain in Remarks)	g Living Roots (C C4) ed Soils (C6) D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (CS 3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Vetland Hydro Vetland Hydro Vetland Hydro Vetland Hydro Vater Mark Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface So Inundation v Sparsely Vo Vetlad Observat	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) ill Cracks (B6) Visible on Aerial egetated Concav tions: Present? Y	Imagery (B7) e Surface (B8)	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Stunted or Stressed Plants ( Other (Explain in Remarks) X Depth (inches):	g Living Roots (C C4) ed Soils (C6) D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Vetland Hydro Vetland Hydro Vetland Hydro Vetland Hydro Vetland Hydro Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat o Iron Deposi Surface So Inundation ( Sparsely Vet Vater Table Pre	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) sil Cracks (B6) Visible on Aerial egetated Concav tions: Present? Y	Imagery (B7) e Surface (B8) fes No fes No	heck all that apply) Water-Stained Leaves (B9) ( MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Presence of Reduced Iron (C Recent Iron Reduction in Till Stunted or Stressed Plants ( Other (Explain in Remarks) Depth (inches): Depth (inches):	except g Living Roots (C C4) ed Soils (C6) D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C3</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
Verland Hydro Verland Hydro Timary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat o Iron Deposi Surface So Inundation ' Sparsely Ver ield Observat vater Table Pres raturation Press	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) ill Cracks (B6) Visible on Aerial egetated Concav tions: Present? Yesent?	Imagery (B7) e Surface (B8) es No es No es No	heck all that apply)	g Living Roots (C C4) ed Soils (C6) D1) (LRR A) Wetland H	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 3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydro Vetland Hydro Trimary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Depos Algal Mat o Iron Deposi Surface So Inundation ( Sparsely Wa Sediret Presencludes capilla Describe Record	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) ks (B1) Deposits (B2) dits (B3) or Crust (B4) dits (B5) dits (B5) visible on Aerial egetated Concav tions: Present? Ye esent? Ye ary fringe) ded Data (stream	Imagery (B7) e Surface (B8) fes No fes No fes No fes No	heck all that apply)	g Living Roots (C 24) ed Soils (C6) D1) (LRR A) Wetland H rspections), if ava	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 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Vetland Hydro Vetland Hydro Vetland Hydro Trimary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat o Iron Deposi Surface So Inundation ( Sparsely Vo Vater Table Pre- Saturation Pres- ncludes capilla Describe Record Remarks:	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) ill Cracks (B6) Visible on Aerial egetated Concav tions: Present? Present? Y ent? y ent? y any fringe) rded Data (stream	Imagery (B7) e Surface (B8) fes No fes No fes No fes No fes No fes No	heck all that apply)	g Living Roots (C C4) ed Soils (C6) D1) (LRR A) Wetland H hspections), if ava	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 (C3     Geomorphic Position (D2)     Shallow Aquitard (D3)     FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)
Vetland Hydro Vetland Hydro Vetland Hydro Vetland Hydro Vetland Hydro Vetland Hydro Vater Mark Saturation ( Water Mark Sediment D Drift Deposi Algal Mat o Iron Deposi Surface So Inundation ( Sparsely Veter Vater Table Pre- Saturation Press ncludes capilla Vescribe Record Vescribe Record Vescribe Record	Y blogy Indicators: ors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) sill Cracks (B6) Visible on Aerial egetated Concav tions: Present? Present? Y eesent? Y ary fringe) rded Data (stream	Imagery (B7) e Surface (B8) fes No fes No fes No fes No fes No fes No	heck all that apply)	except g Living Roots (C C4) ed Soils (C6) D1) (LRR A) Wetland H nspections), if ava	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 (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primarks: PUROLOGN Vetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat o Iron Deposi Surface So Inundation ( Sparsely Wa Vater Table Presincludes capilla Describe Recom Remarks:	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) sil Cracks (B6) Visible on Aerial egetated Concav tions: Present? Ye esent? Ye ary fringe) ded Data (stream	Imagery (B7) e Surface (B8) fes No fes No fes No fes No fes No	heck all that apply)	g Living Roots (C 24) ed Soils (C6) D1) (LRR A) Wetland H rspections), if ava	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 (C3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks: YDROLOGY Vetland Hydro Primary Indicato Surface Wa High Water Saturation ( Water Mark Sediment D Drift Deposi Algal Mat o Iron Deposi Surface So Inundation ' Sparsely Vet Field Observat Surface Water F Vater Table Pres includes capilla Describe Record Remarks:	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) its (B5) iil Cracks (B6) Visible on Aerial egetated Concav tions: Present? Yesent? Yesent? Yesent? Yeary fringe) rded Data (stream	Imagery (B7) e Surface (B8) fes No fes No fes No fes No fes No	heck all that apply)	except g Living Roots (C C4) ed Soils (C6) D1) (LRR A) Wetland H nspections), if ava	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 (Cs 3) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WEILAND DETERMINATION D	ATA FORM -	Western Mou	ntains, valleys, an	d Coast Region
oject/Site: West Port S.P.	CityA	County: Weg	it part	_ Sampling Date: _ 4/26 /
plicant/Owner: WA State Parks	r		State: WA	Sampling Point: TP-1
estigator(s): R. Fletcher	Sect	ion. Township, Rai	nge:	
ndform (hillslope, terrace, etc.): In ter dunal	Loc	al relief (concave, o	convex hone)	Slope (%): 2
pregion (LRR): A	Lat:			Datum:
Man Unit Mamar Dunke Land	Lat		Long.	PSS
climatic / hydrologic conditions on the site typical for the	his time of year?	Yes No	(If no, explain in I	Remarks.)
vegetation, Soil, or Hydrology	significantly distu	rbed? / Are -	Normal Circumstances"	present? Yes <u>No</u> No
e Vegetation, Soil, or Hydrology	naturally problem	natic? N (If ne	eded, explain any answ	ers in Remarks.)
JMMARY OF FINDINGS – Attach site map	o showing sa	npling point le	ocations, transect	s, important features, etc
lydrophytic Vegetation Present? Yes	No	In the Complete		V.
lydric Soil Present? Yes Yes	No	is the Sampled	Area	No
Vetland Hydrology Present? Yes	No	within a freduit		
emains. Slightly outer the	in norn	nal rain	(a. (!	
hato6 1-2				
EGETATION – Use scientific names of pla	nts			
	Absolute Do	minant Indicator	Dominance Test wor	ksheet:
ree Stratum (Plot size:)	% Cover Sp	ecies? Status	Number of Dominant	Species 3
- 1/1 A			That Are OBL, FACW	, or FAC: (A)
			Total Number of Domi	inant <u>Z</u>
			Species Across All Str	rata: (B)
2.4.5			Percent of Dominant	Species 1 D-
apling/Shrub Stratum (Plot size:)	=	otal Cover	That Are OBL, FACW	, or FAC: (A/B)
Lonicera involverata	50	X FAC	Prevalence Index wo	orksheet:
Spiraea douglasi	30	X FACK	Total % Cover of:	Multiply by:
			OBL species	x1=
			FAC species	X2=
•			FACIL species	X3=
loth Stratum (Plat size:	=T	otal Cover	UPL species	x5=
Carex marine to	85	× OBL	Column Totals;	(A) (B)
	and the local data	and and	Prevalence Inde	ex = B/A =
			1 - Rapid Test for	Hydrophytic Venetation
			X 2 - Dominance T	est is >50%
			3 - Prevalence In	dex is ≤3.0 <sup>1</sup>
			4 - Morphologica	Adaptations <sup>1</sup> (Provide supportin
1. A			data in Rema	rks or on a separate sheet)
			5 - Wetland Non-	Vascular Plants <sup>1</sup>
0			Problematic Hyd	rophytic Vegetation' (Explain)
1	Pr		Indicators of hydric s be present, unless di	soil and wetland hydrology must sturbed or problematic
Voody Vine Stratum (Plot size: 5	=T	otal Cover		
voody vine oudluin (Fiol Size,			1	-
			Vegetation	V
NA				
NA		otal Cover	Present?	res <u> </u>
Bare Ground in Herb Stratum	=T	otal Cover	Present?	Yes <u>~</u> No

Sampling Point: TP-/

Profile Desc	ription: (Describe	to the dep	oth needed to docum	ent the i	ndicator	or confirm	the absence	e of indicators.)
Depth	Matrix	~	Redox	Features	- 1	. 2	-	
(inches)	Color (moist)	- <u>%</u>	Color (moist)	_%	Type'	Loc	Texture	Remarks
0-6	2.5/11	77	10/18 4/6		C	M, PK	PLOT	
6-18	2-214/1	10	1-57R5/4	30	<	M	Lo)9	
	1							1
			And the second second	_			_	
						-	-	
				-				
<sup>1</sup> Type: C=Ce	oncentration D=Den	letion RM	=Reduced Matrix CS	Covered	or Coat	ed Sand Gr	ains <sup>2</sup> l o	ocation: PI =Pore Lining M=Matrix
Hydric Soll	Indicators: (Applic	able to all	LRRs. unless other	wise note	ad.)	cu Sanu Or	Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		X Sandy Redox (S	5)			20	m Muck (A10)
Histic Ep	pipedon (A2)		Stripped Matrix (	(S6)			Re	d Parent Material (TF2)
Black Hi	istic (A3)		Loamy Mucky M	ineral (F1	) (excep	t MLRA 1)	Ver	ry Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleyed N	Aatrix (F2)	)		Oth	ner (Explain in Remarks)
Depleter	d Below Dark Surfac	e (A11)	Depleted Matrix	(F3)				
Thick Da	ark Surface (A12)		Redox Dark Surf	face (F6)			<sup>3</sup> Indicate	ors of hydrophytic vegetation and
Sandy N	Aucky Mineral (S1)		Depleted Dark S	Surface (F	7)		wetla	and hydrology must be present,
Sandy G	Sleyed Matrix (S4)		Redox Depression	ons (F8)			unle	ss disturbed or problematic.
Restrictive	Layer (if present):							
Type:	-hh							X
Depth (in	cnes):						Hydric Soi	Present? Yes <u>No</u>
Remarks:								and the second sec
HYDROLO	GY	2						
Wetland Hy	drology Indicators:							and a second
Primary India	cators (minimum of o	ne require	ed; check all that apply	2		ALCONT .	Seco	indary Indicators (2 or more required)
Surface	Water (A1)		Water-Stair	ned Leave	es (B9) (	except	_ \	Water-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA 1	, 2, 4A, a	ind 4B)			4A, and 4B)
Saturati	on (A3)		Salt Crust (	B11)	(040)		-	Drainage Patterns (B10)
Water N	arks (B1)		Aquatic Inv		S (B13)			Dry-Season Water Table (C2)
Sedimer	nt Deposits (B2)		Hydrogen S	bizosphor		Living Dog	in con Vi	Saturation Visible on Aerial Imagery (C9)
Dhit De	posits (D3)		Oxidized Ri	f Doduco	d Iron (C			Section (D2)
Algar Ma	at of Crust (D4)		Presence 0	Reducti	on in Tille	ad Soile (C6	V X	Shallow Aquitard (D3)
IIOII Dep	Soil Cracke (B6)		Stunted or	Stressed	Plants //	1) (I RR A)		Paised Ant Mounds (DE) (I BB A)
Oundoo	on Visible on Aerial I	manery (F	(Fxpl	lain in Re	marks)		-	Frost-Heave Hummocks (DZ)
Sparsel	Vegetated Concave	Surface	(B8)					isseriedve ridniniocks (D7)
Field Obser	vations:		()			1		
Surface Wat	er Present? Y	es	No X Depth (inc	hes):				
Water Table	Present? Y	X	No Depth (inc	hes).	18	-		
Saturation D	recent? V	T	No Depth (inc	hee).	16	Wett	and Hydrolov	
(includes ca	pillary fringe)		No Deput (inc	100).	1		and riyurolog	By Presentry Tes A NO
Describe Re	corded Data (stream	gauge, m	onitoring well, aerial p	hotos, pr	evious in	spections),	if available:	
Remarks:	11							
water	r table	Knou	a to be	at	- 12	ast 1	4-6	higher in archier
PA	- la nai	1.000	C ve					.)
Ca	7 900	~ · · · ·	reafon.					
1		1						
			a construction of the				100 Carlos	No. 100 Contraction of the second

	ON DATA FORM -	Western Mou	ntains, Valleys, ar	nd Coast Region
Project/Site: Westport >. P.	City	County: we	stport	_ Sampling Date: 7/26/2
pplicant/Owner: WA State Par	-ks U		State: WA	_ Sampling Point: TP-2
vestigator(s): B. Fletcher	Sect	on, Township, Rai	nge:	
andform (hillslope, terrace, etc.):	Loca	al relief (concave,	convert, none):	Slope (%):
ubregion (LBR): A	Lat:		Long:	Datum:
oil Man Unit Name: DUNE Land			NWI classif	ication: Upland
re climatic / hydrologic conditions on the site typic	al for this time of year?	Ves No		Remarks.)
re Venetation Soil or Hydrology	eignificantly dietu	rbod? // Are "	Normal Circumstances*	present? Yes X No
e Vegetation, Soil, or Hydrology	algrinicantly disto	atic? 4/ (If ne	eded explain any answ	vers in Remarks )
Te vegetation, Son, or Hydrology _			cucu, explain any anon	
UMMARY OF FINDINGS – Attach site	e map showing sar	npling point k	ocations, transect	s, important features, etc
Hydrophytic Vegetation Present? Yes	No	Is the Sampled	Area	V
Hydric Soil Present? Yes		within a Wetlan	id? Yes	No
Remarks: 5134-414 d clac 1 ha	NO	010.10		
signifiq outer that	n normal	prec.p.		
Photos 3-4	and the second			
EGETATION - Use scientific names of	of plants.			
30-	Absolute Do	minant Indicator	Dominance Test wor	ksheet:
Plotts cardest a	<u>3 P</u>	X EA(	Number of Dominant	Species 2 (A)
CATA FA		A LARC	That Ale Obl, FACIN	, OI FAC (A)
			Total Number of Dom Species Across All St	inant S (B)
4				······································
10-	30 =T	otal Cover	That Are OBL, FACW	or FAC: Yo (A/B)
Sapling/Shrub Stratum (Plot size: 15		V	Prevalence Index wo	orksheet:
1. Cytisus scoparius		V EAU	Total % Cover of	Multiply by:
2. Voccinium ovatum	10	EACH	OBL species	x 1 =
3. sprided dougrant			FACW species	x 2 =
5	Sec. Sec.		FAC species	x 3 =
	75 =T	otal Cover	FACU species	x 4 =
Herb Stratum (Plot size:)	15	V EA.	UPL species	x 5 = (D)
1. Hyjochaeris radicata	15	X FACY		(A) (B)
Agrastis stolmitera		A FAC	Prevalence Inde	ex = B/A =
Platan lanatus		FAID	Hydrophytic Vegeta	tion Indicators:
L'ILANTAGO LANCEDIN -9			1 - Rapid Test for	r Hydrophytic Vegetation
		-	2 - Dominance In	est is >50%
		NE 8.5	S - Prevalence in	LAdaptations <sup>1</sup> (Provide supporting
			data in Rema	rks or on a separate sheet)
			5 - Wetland Non-	Vascular Plants <sup>1</sup>
10	<u></u>		Problematic Hydr	rophytic Vegetation <sup>1</sup> (Explain)
11			Indicators of hydric s	coil and wetland hydrology must
C ~	22 = TO	otal Cover	be present, dilless di	sturbed of provientane.
Woody Vine Stratum (Plot size:				
NIA			Hydrophytic Vegetation	V
	= Tr	tal Cover	Present?	res No
% Bare Ground in Herb Stratum	= 10			
Remarks:	1.1.1			
MOSS = 10% ; Femi	aining grown	drover la	eaf litter	and sticks

Western Mountains, Valleys, and Coast - Version 2.0

	7	-	D.	1
Sampling Point:	1	0		-2

Depth <u>Mate</u> (inches) Color (moise					
(inches) Color (mois		Redox Features	1 1002	Touture	Remedia
	1 %	Color (moist) % Type	e Loc		Remarks
0-18 2.5/11	2 100			20-4	
				3.444	Lateral .
Long Street					
					and the second second
<sup>1</sup> Type: C=Concentration, D=	Depletion, RM=	Reduced Matrix, CS=Covered or Co	ated Sand Gra	ains. <sup>2</sup> Location	: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Ap	oplicable to all	LRRs, unless otherwise noted.)		Indicators fo	r Problematic Hydric Solls":
Histosol (A1)		Sandy Redox (S5)		2 cm Muc	k (A10)
Histic Epipedon (A2)		Stripped Matrix (S6)		Red Pare	nt Material (TF2)
Black Histic (A3) Hydrogen Sulfide (A4)		Loamy Mucky Mineral (F1) (exc	ept MLRA 1)	Very Sna	now Dark Surface (TF 12)
Depleted Below Dark Su	urface (A11)	Depleted Matrix (F3)			
Thick Dark Surface (A12	2)	Redox Dark Surface (F6)		<sup>3</sup> Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S	51)	Depleted Dark Surface (F7)		wetland hy	drology must be present,
Sandy Gleyed Matrix (S	4)	Redox Depressions (F8)		unless dist	urbed or problematic.
Restrictive Layer (if presen	nt):	and much the Property		7 - 0.0	and the second second
Туре:				Second straight	1
Depth (inches):				Hydric Soil Pres	ent? Yes No
Wetland Hydrology Indicat	ors:				
Wetland Hydrology Indicat Primary Indicators (minimum	ors: of one required	l; check all that apply)		Secondary	Indicators (2 or more required)
Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1)	ors: a of one required	I; check all that apply) Water-Stained Leaves (B9)	) (except	Secondary Water-3	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2,
Wetland Hydrology Indicat Primary Indicators (minimum Surface Water (A1) High Water Table (A2)	ors: a of one required	l; check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B	) (except )	<u>Secondary</u> Water-3 4A,	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, and 4B)
Wetland Hydrology Indicat         Primary Indicators (minimum	tors: a of one required	t: check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B Salt Crust (B11)	) (except )	<u>Secondary</u> Water-3 4 <b>A</b> , Drainag	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, and 4B) Je Patterns (B10)
Wetland Hydrology Indicat         Primary Indicators (minimum	cors: a of one required	t; check all that apply) — Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B — Salt Crust (B11) — Aquatic Invertebrates (B13)	) (except )	<u>Secondary</u> Water-3 Drainag Dry-Se	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) àson Water Table (C2)
Wetland Hydrology Indicat         Primary Indicators (minimum	tors: a of one required	t: check all that apply) Water-Stained Leaves (B9) MLRA 1, 2, 4A, and 4B Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1	) (except ) ) )	<u>Secondary</u> Water-S <b>4A,</b> Drainag Dry-Sea Saturat	Indicators (2 or more required) Stained Leaves (B9) (MLRA 1, 2, and 4B) ge Patterns (B10) ason Water Table (C2) ion Visible on Aerial Imagery (C9)
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#### WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Westpost Sampling Date: 4/26/21 Project/Site: Westport 5. P. City/County: Applicant/Owner: WA State Parks State: WA Sampling Point: 79 Investigator(s): B. Fletcher Section, Township, Range: Landform (hillslope, terrace, etc.): Interdung! Local relief (concave) convex, none): \_\_\_\_\_ Slope (%): \_\_\_\_ Subregion (LRR): A Lat: Long: \_\_\_\_\_ Datum: Soil Map Unit Name: \_\_\_\_\_\_\_ NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_ (If no, explain in Remarks.) Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? N Are "Normal Circumstances" present? Yes Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, 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. Hydrophytic Vegetation Present? Yes No Is the Sampled Area Hydric Soil Present? Yes × No within a Wetland? Wetland Hydrology Present? Yes No Remarks: Below normal precip. Photos 5-6 VEGETATION - Use scientific names of plants. Dominance Test worksheet: Absolute Dominant Indicator Tree Stratum (Plot size: 30-% Cover Species? Status Number of Dominant Species 1. Pinus contosta 90 Y FAC (A) That Are OBL, FACW, or FAC: 2. Total Number of Dominant 3. Species Across All Strata: (B) Percent of Dominant Species 70 = Total Cover 00 That Are OBL, FACW, or FAC: (A/B) Sapling/Shrub Stratum (Plot size: 15 Prevalence Index worksheet: FALL 1. VACCINII, ovatim Total % Cover of: Multiply by: 2. Lonicera involucrata OBL species \_\_\_\_\_ x 1 = 3. FACW species x2= FAC species x3= 5. FACU species x 4 = = Total Cover UPL species x 5 = Herb Stratum (Plot size: OBL Column Totals: (A) \_\_\_\_ \_\_\_\_ (B) 1. Carex poncota 2. maighthemun Aslatatum Prevalence Index = B/A = 3. Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 4 × 2 - Dominance Test is >50% 5.\_\_\_\_ 3 - Prevalence Index is ≤3.01 6. 7.\_\_\_\_ -4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 8. 5 - Wetland Non-Vascular Plants<sup>1</sup> 9 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 11. be present, unless disturbed or problematic. 96 = Total Cover Woody Vine Stratum (Plot size: 1. NA Hydrophytic Vegetation 2 Yes X No Present? = Total Cover % Bare Ground in Herb Stratum Remarks: MOSS = 10%

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

Sampling Point: <u>T9-1</u>

Depth       Matrix       Redox Features         0 - 6       2.5 Y 4/2       99       10 Y R 3/4       1       6       M. R. Z.         0 - 6       2.5 Y 4/2       93       10 Y R 3/4       1       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       1       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       2.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       3.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         0 - 7       3.5 Y 4/2       93       10 Y R 3/4       7       6       M. R. Z.         10 - 7       10 - 7       10 - 7       10 - 7 <t< th=""><th>Texture       Remarks         0 5q      </th></t<>	Texture       Remarks         0 5q
uncress       color (moist)       %       color (moist)       %       lype       Loc         0 - 6       0.5 Y 9/2       9       10 Y R 3/4       1       C       M       Z         6 - 1 R       2.5 Y 4/2       93       10 Y R 3/4       7       C       M, AZ       Z	
1       1	2 Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Solls <sup>3</sup> :      2 cm Muck (A10)      Red Parent Material (TF2)      Very Shallow Dark Surface (TF12)      Other (Explain in Remarks)
6       -14       4. 574/7       7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7	2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	2 Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Solls <sup>3</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.  Indicators for Problematic Hydric Solls <sup>3</sup> :      2 cm Muck (A10)      Red Parent Material (TF2)      Very Shallow Dark Surface (TF12)      Other (Explain in Remarks)
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains         Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.      Indicators for Problematic Hydric Solls <sup>3</sup> :     2 cm Muck (A10)     Red Parent Material (TF2)     Very Shallow Dark Surface (TF12)     Other (Explain in Remarks)
Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>*</sup> : 2 cm Muck (A10) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
	2 cm Muck (A10)     Red Parent Material (TF2)     Very Shallow Dark Surface (TF12)     Other (Explain in Remarks)
	Red Parent Material (TF2)     Very Shallow Dark Surface (TF12)     Other (Explain in Remarks)
Black Histic (A3)       Loamy Mucky Mineral (F1) (except MLRA 1)         Hydrogen Sulfide (A4)       Loamy Gleyed Matrix (F2)         Depleted Below Dark Surface (A11)       Depleted Matrix (F3)         Thick Dark Surface (A12)       Redox Dark Surface (F6)         Sandy Mucky Mineral (S1)       Depleted Dark Surface (F7)         Sandy Gleyed Matrix (S4)       Redox Depressions (F8)	Very Shallow Dark Surface (1F12)     Other (Explain in Remarks)
	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)     Depleted Mainx (r3)     Thick Dark Surface (A12)     Redox Dark Surface (F6)     Sandy Mucky Mineral (S1)     Depleted Dark Surface (F7)     Redox Depressions (F8)	
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4) Redox Depressions (F8)	wetland hydrology must be present,
	unless disturbed or problematic.
Restrictive Layer (if present):	
Туре:	
Depth (inches):	ydric Soil Present? Yes X No
Remarks:	· · · · · · · · · · · · · · · · · · ·
HYDROLOGY Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
Surface Water (A1) Water-Stained Leaves (B9) (except	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 Roots (C	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)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6) Stunted or Stressed Plants (D1) (LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7) 🔥 Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface (B8)	
Field Observations:	
Surface Water Present? Yes <u>No No Depth (inches):</u>	
Water Table Present? Yes <u>No</u> Depth (inches): <u>17</u>	×
Saturation Present? Yes <u>&gt;</u> No Depth (inches): <u>/</u> Wetland	Hydrology Present? Yes <u>No</u> No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if av	ailable:
Remarks:	
	and a real
water traile known to be at least all hist	Lary growing Scalan
water table known to be at least 6" higher in	1 7 7
water table known to be at least 6" higher in	, , )
water table known to be at least 6" higher in	

WETLAND DETERMINATION D	ATA FORM	M – Western Mou	untains, Valleys, and Coast Region
Project/Site: West Port S.P.	1	CityCounty: We	STRONT Sampling Date: 4/26/2
Applicant/Owner 4-A State Park	(		State: 4-A Sampling Bale: T9-2
Investigator(a) R Elected	-	Desting Township De	
		Section, Township, Ra	ange:
Landform (nillslope, terrace, etc.):		Local relief (concave,	convex; none): Slope (%):
Subregion (LRR):	Lat:		_ Long: Datum:
Soil Map Unit Name: DUNE LAND			NWI classification: Upland
Are climatic / hydrologic conditions on the site typical for the	his time of yea	ar? Yes No _	X (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed? N/ Are	"Normal Circumstances" present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic? $\mathcal{N}$ (If n	eeded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map	showing	sampling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No		
Hydric Soil Present? Yes	No X	Is the Sample	d Area 🗸 🗸
Wetland Hydrology Present? Yes	No	within a Wetla	nd? Yes No
Remarks: Slightly delow prec	ip no	rnall	
	1		and the second se
shoto1 7-5	-		
VEGETATION – Use scientific names of pla	nts.		Alar and a second second
Tree Stratum (Plot size: 20 #*	Absolute % Cover	Dominant Indicator	Dominance Test worksheet:
1. Pinus contorta	80	X FAC	Number of Dominant Species
2			
3	120	-	Total Number of Dominant Species Across All Strata:
4	_		Demonstration 40
15-	89	= Total Cover	That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 13)	5	UPI	Prevalence Index worksheet:
2 Vaccinium avature	50	X EALU	Total % Cover of: Multiply by:
3. Vaccinium Parviflorum	10	X FALL	OBL species x 1 =
4			FACW species x 2 =
5		100 m 100 m	FAC species x 3 =
5-	65	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	5	X FACH	Column Totale:
2 Grey day of a	- 5	X ORI	
3			Prevalence Index = B/A =
4.			A Banid Test for Understation Indicators:
5		2	2 - Dominance Test is >50%
6		$\mu = (2 q_1 (1 + 1) f_1 + 1)$	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7	2	1 M 1 1 1 1 1 1 1	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8			data in Remarks or on a separate sheet)
9			5 - Wetland Non-Vascular Plants
10			Problematic Hydrophytic Vegetation' (Explain)
11	10		be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:	10	= Total Cover	
1	_		Hydrophytic
2. <u>N</u> H		- same	Vegetation
N Den Council a list of the		= Total Cover	Present? Yes No /
Remarks:		10-01-6-1	
+ Tree stratum reduced	beraus	e of vola	ind limits
Reading	nei		E 1 5 8/
and ground cover in	erdle J.	. Moss	- 10/0

Western Mountains, Valleys, and Coast - Version 2.0

Sampling Point: T9-2

Profile Desci	iption: (Describe t	o the dep	In needed to docu	nent ure	Indicator	JI CO	Ture as	ounde	of indicatoro.,
Depth	Matrix	~	Redo	x Feature	Tune	Loc <sup>2</sup>	Text	ture	Remarks
(inches)	Color (moist)	100	Color (moist)	- 10		LUC	105	Sa	
D D	2. > YN /14	100	Invins /				1	4	
5-18	4.5742	49	1078314				60	29	
		_		-				_	
Type: C=Co	ncentration, D=Depl	etion, RM=	Reduced Matrix, CS	S=Covere	d or Coate	d Sand Gr	rains.	<sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Histosol (	(A1)		Sandy Redox (	\$5)	icu.,			2 cm	Muck (A10)
Histic En	inedon (A2)		Stripped Matrix	(\$6)			-	Red	Parent Material (TF2)
Black His	tic (A3)		Loamy Mucky	Mineral (F	1) (except	MLRA 1)		Verv	Shallow Dark Surface (TF12)
- Hydroger	Sulfide (A4)		Loamy Gleved	Matrix (F:	2)		-	Othe	er (Explain in Remarks)
Depleted	Relow Dark Surface	(A11)	Depleted Matrix	(F3)	-/			-	
Thick Da	rk Surface (A12)	, with	Redox Dark Su	rface (F6	1		<sup>3</sup> Indicators of hydrophytic vegetation and		
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface (	F7)			wetlar	nd hydrology must be present,
Sandy G	leved Matrix (S4)		Redox Depress	sions (F8)				unless	s disturbed or problematic.
Restrictive L	ayer (if present):	1	1.00		1000	1.1	T		
Туре:		1.1	STREET, STREET				1.3		V
Depth (inc	hes):	-					Hydri	ic Soil I	Present? Yes No
Remarks:			1	14					
YDROLOG	GY	-		20	1.00	-	-		the second second
Vetland Hyd	rology Indicators:	Sugar	A.F.A.S.						
Primary Indica	ators (minimum of o	ne required	1; check all that appl	Y)	1446			Secon	dary Indicators (2 or more required)
Surface V	Nater (A1)		Water-Sta	ined Leav	res (B9) (e:	xcept		W	ater-Stained Leaves (B9) (MLRA 1, 2
High Wat	ter Table (A2)		MLRA	1, 2, 4A,	and 4B)				4A, and 4B)
Saturatio	n (A3)		Salt Crust	(B11)				Dr	rainage Patterns (B10)
Water Ma	arks (B1)		Aquatic In	vertebrate	es (B13)			Dr	ry-Season Water Table (C2)
Sediment	t Deposits (B2)		Hydrogen	Sulfide O	dor (C1)			Sa	aturation Visible on Aerial Imagery (C
Drift Den	osits (B3)		Oxidized I	Rhizosphe	eres along	Living Roc	ots (C3)	_ G	eomorphic Position (D2)
Drint Dep	and the second								
Algal Mat	t or Crust (B4)		Presence	of Reduce	ed Iron (C4	9		SI	hallow Aquitard (D3)

- \_\_\_ Iron Deposits (B5) \_\_\_ Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)

Sparsely Vegetated Con	ncave Surfac	e (B8)					
Field Observations: Surface Water Present? Water Table Present?	Yes Yes	No X No X	Depth (inches): Depth (inches):			5.	~
Saturation Present? (includes capillary fringe)	Yes	_ No _X	Depth (inches):		Wetland Hydrology Present?	Yes	No
Describe Recorded Data (st	ream gauge,	monitoring	well, aerial photos, pro	evious inspec	tions), if available:	-	1.0
Remarks:	-	100		1			

Stunted or Stressed Plants (D1) (LRR A)

Other (Explain in Remarks)

Raised Ant Mounds (D6) (LRR A)

Frost-Heave Hummocks (D7)

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WEILAND DETERMINATION D	ATA FORM -	Western Mou	intains, Valleys, an	d Coast Region
roject/Site: West Port Light S.	P. City/	County: be	stPort	Sampling Date: 4-26-0
pplicant/Owner: Starte Parts		1.12	State: WA	Sampling Point: SP- TK
vestigator(s): P. Hamidi	Sect	ion, Township, Ra	nge:	
andform (hillslope, terrace, etc.): IN fordune	1 100	al relief (concave	convex none): Con	Carle Slope (%): 1
ubregion (LRR):	Lat:		long:	Datum:
oil Man Unit Name: Dist 12 / C	Lat		_ Long	DED/SSC
re climatic / budrologic conditions on the site to inclimate				
re Venetation	his time of year?	Yes No	(If no, explain in )	Remarks.)
re Vegetation, soil, or Hydrology	significantly distu	irbed? Are	"Normal Circumstances"	present? Yes K No
, or Hydrology	naturally problem	natic? (If ne	eeded, explain any answe	ers in Remarks.)
UMMARY OF FINDINGS – Attach site map	showing sa	mpling point l	ocations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes 🔀	No	Is the Sampler	Area	
Wetland Hydrology Present?		within a Wetlan	nd? Yes_P	<
Remarks: Late / Alasting/ Olici				
Photos 191-195	C,P	•		
EGETATION – Use scientific names of pla	nts.		-	
Tree Stratum (Plot size: 30')	Absolute Do	minant Indicator	Dominance Test work	ksheet:
1. DINUS contorta	30	V FAC	Number of Dominant S	or FAC: 3
	10.000	1-1-		01110 (r)
			Total Number of Domin Species Across All Str.	nant 3 (B)
-			Demont of Deminent C	
315	<u>30</u> =T	otal Cover	That Are OBL, FACW,	or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size:)	30	V EAL	Prevalence Index wo	rksheet:
Malus fusce	10	FACM	Total % Cover of:	Multiply by:
Sligger doughter!	10	EAL	OBL species	x1=
	1/1/1/1		FACW species	x 2 =
н. — ну ну на на ну ну на			FAC species	x3=
اللي	50 =T	otal Cover	FACU species	x4=
terb Stratum (Plot size:)	10	a aBi	UPL species	× 5 =
Carek Obrupta		y 000		(A) (B)
			Prevalence Inde	x = B/A =
·			Hydrophytic Vegetat	ion Indicators:
·			1 - Rapid Test for	Hydrophytic Vegetation
· · · · · · · · · · · · · · · · · · ·			2 - Dominance Te	st is >50%
			- 3 - Prevalence Inc	lex is ≤3.0"
			data in Remark	Adaptations" (Provide supporting (s or on a separate sheet)
	100 - 10 E		5 - Wetland Non-V	/ascular Plants <sup>1</sup>
0			Problematic Hydro	ophytic Vegetation <sup>1</sup> (Explain)
1			<sup>1</sup> Indicators of hydric so	oil and wetland hydrology must
Voody Vine Stratum (Plot size: 15')	60 = TO	otal Cover	be present, unless dis	turbed or problematic.
·	<u>.                                    </u>		Hydrophytic	
			Vegetation	No. No.
	0 = TO	otal Cover	Fresentr Y	es_K_NO

SOIL

Sampling Point: SP-T10-1

	e to the dep	in needed to docum	ione uno	maioutor	or commit	the absence of indicators.)
Depth <u>Matrix</u>	0/	Redox	Feature	s	. ,	
(inches) Color (moist)	%	Color (moist)	%	Type'	Loc	Texture Remarks
2-0 2 2 2 2 2						rates
0-7 6,54 4/2	- 97	2.54 4/4	3	C	MIPL	2PS
9-18 2,544/1	80	104R414	20	C	M	LFS
,		416	1000	-		
			_			
				-		
			-	1000		
			1.11	-	•	
	anlation DM	-Reduced Matrix CS	-Covora	d or Cost	ad Sand Cra	aine <sup>2</sup> Location: DL=Bore Lining M=Matrix
Hydric Soil Indicators: (App	icable to all	LRRs. unless other	wise not	ed.)	eu Sanu Gra	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy Redox (S	(5)			2 cm Muck (A10)
Histic Epipedon (A2)		Stripped Matrix	(S6)			Red Parent Material (TF2)
Black Histic (A3)		Loamy Mucky N	lineral (F	1) (excer	t MLRA 1)	Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)		Loamy Gleved M	Matrix (F:	2)		Other (Explain in Remarks)
Depleted Below Dark Surf	ace (A11)	Depleted Matrix	(F3)	1		—
Thick Dark Surface (A12)	+ 100 ( <b>*</b>	Redox Dark Sur	face (F6	)		<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1		Depleted Dark S	Surface (	F7)		wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	10. Ale	Redox Depress	ions (F8)			unless disturbed or problematic.
Restrictive Layer (if present)	:		-+	-		
Туре:		i i			-	
Depth (inches):						Hydric Soil Present? Yes No
Remarks:	-					
HYDROLOGY				*		
Wetland Hydrology Indicato	5:					
Priman/ Indicatore /minimum /		A				
rinary mulcators (minimum)	f one require	ed; check all that apply	0		-	Secondary Indicators (2 or more required)
Surface Water (A1)	f one require	ed; check all that apply	/) ned Leav	ves (B9) (	except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
Surface Water (A1) High Water Table (A2)	f one require	ed; check all that apply Water-Stai MLRA	/) ned Leav 1, 2, 4A,	ves (B9) ( and 4B)	except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Surface Water (A1) High Water Table (A2) K Saturation (A3)	f one require	ed; check all that apply Water-Stai MLRA Salt Crust	/) ned Leav 1, 2, 4A, (B11)	ves (B9) ( and 4B)	except	Secondary Indicators (2 or more required)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	f one require	ed; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv	/) ned Leav 1, 2, 4A, (B11) vertebrate	ves (B9) ( and 4B) es (B13)	except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Schwatten Mitchen Activity (20)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	<u>f one require</u>	High Constraints	/) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide C	ves (B9) (r and 4B) es (B13) dor (C1)	except	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) (C2)
Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	<u>f one require</u>	ed; check all that apply         Water-Stai         MLRA         Salt Crust         Aquatic Inv         Hydrogen         X         Oxidized R	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide C thizosphe	ves (B9) (r and 4B) es (B13) dor (C1) eres along	except	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> </ul>	<u>f one require</u>	ed; check all that apply         Water-Stai         MLRA         Salt Crust         Aquatic Inv         Hydrogen         X         Oxidized R         Presence C         Basent Inv	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide C chizosphe of Reduc	ves (B9) (a and 4B) es (B13) edor (C1) eres along ed Iron (C	except Living Root 4)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> </ul>	<u>f one require</u>	ed; check all that apply Water-Stai MLRA * Salt Crust Aquatic Inv Hydrogen * Hydrogen * Oxidized R Presence o Recent Irou	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide C chizosphe of Reduct n Reduct	ves (B9) (r and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille	except Living Root 4) ed Soils (C6)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>✓ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>ts (C3)</li> <li>✓ Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>✓ FAC-Neutral Test (D5)</li> </ul>
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> </ul>	f one require	ed: check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen 3 Oxidized R Presence 0 Recent Iron Stunted or	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizosphe of Reduc n Reduct Stressed	ves (B9) (r and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I	except Living Root 4) ed Soils (C6) D1) (LRR A)	Secondary Indicators (2 or more required)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>K Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aeria</li> </ul>	<u>al Imagery (B</u>	ed; check all that apply	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizosphe of Reduc n Reduct Stressed lain in R	ves (B9) (c and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except Living Root 4) ed Soils (C6) 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)         ts (C3)         ∅         Geomorphic Position (D2)         □         Shallow Aquitard (D3)         ↓         ↓         FAC-Neutral Test (D5)         □         □         Frost-Heave Hummocks (D7)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aeria</li> <li>Sparsely Vegetated Concernation</li> </ul>	<u>f one require</u> al Imagery (B ave Surface (	adj       check all that apply          Water-Stai         MLRA           Salt Crust          Aquatic Inv          Aquatic Inv          Aquatic Inv          Hydrogen 3          Oxidized R          Presence 0          Recent Iron          Stunted or         37)          (B8)	r) ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C shizospho of Reduc n Reduct Stressed lain in R	ves (B9) ( and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except Living Root (4) ed Soils (C6) 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)         ts (C3)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aeria</li> <li>Sparsely Vegetated Conce</li> </ul>	al Imagery (B ave Surface (	ed: check all that apply         Water-Stai         MLRA         Salt Crust         Aquatic Inv         Hydrogen 3         X         Oxidized R         Presence C         Recent Iron         Stunted or         Stunted or         Other (Exp         (B8)	r) ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduc n Reduct Stressed Jain in R	ves (B9) ( and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except Living Root (4) ed Soils (C6) 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)         As (C3)       ✓ Geomorphic Position (D2)         Shallow Aquitard (D3)         >       ✓ FAC-Neutral Test (D5)         Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
<ul> <li>Surface Water (A1)</li> <li>High Water Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aeria</li> <li>Sparsely Vegetated Conce</li> <li>Field Observations:</li> <li>Surface Water Present?</li> </ul>	al Imagery (B ave Surface ( Yes	ed: check all that apply         Water-Stai         MLRA         Salt Crust         Aquatic Inv         Hydrogen 3         X       Oxidized R         Presence 0         Recent Iron         Stunted or         S7)       Other (Exp         No       M         Depth (inc	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduct n Reduct Stressed lain in R	ves (B9) ( and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) Ed Soils (C6) (LRR A)	Secondary Indicators (2 or more 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 Aerit Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present?	al Imagery (B ave Surface ( Yes Yes	ed: check all that apply        Water-Stai         MLRA        Salt Crust        Aquatic Inv        Hydrogen 3        WOxidized R        Noxidized R        Stunted or         37)      Other (Exp.         (B8)         No      Depth (inc.)	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduct n Reduct Stressed lain in R ches):	ves (B9) (r and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	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) (C3) Shallow Aquitard (D3) AFAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surface Water (A1)	al Imagery (B ave Surface ( Yes <u>'X</u> Yes <u>X</u>	ed: check all that apply	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduce n Reduce Stressee (lain in R ches): ches):	ves (B9) (c and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) (4) (4) (4) (4) (4) (4) (4) (4) (4)	Secondary Indicators (2 or more required)         ▲ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Surface Water (A1)     High Water Table (A2)     Katuration (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 Aeria     Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Describe Recorded Data (streed)	al Imagery (B ave Surface ( Yes <u>Y</u> es <u>X</u> Yes <u>X</u>	adject       check all that apply          Water-Stain         MLRA	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduce n Reduce Stressee lain in R ches): ches): ches): ches):	ves (B9) ( and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) ed Soils (C6) (LRR A) (LRR A) (URR A) (URR A) (URR A)	Secondary Indicators (2 or more required)         ▲ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Surface Water (A1)     High Water Table (A2)     Katuration (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 Aeria     Sparsely Vegetated Conce Field Observations:     Surface Water Present?     Water Table Present?     Saturation Present?     Saturation Present?     includes capillary fringe)	al Imagery (B ave Surface ( Yes Yes Yes am gauge, m		() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizosphe of Reduce n Reduce Stressed lain in R ches): ches): ches): ches):	ves (B9) (r and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) ed Soils (C6) (LRR A) (LRR A) Wetla spections), i	Secondary Indicators (2 or more required)
Surface Water (A1)     High Water Table (A2)     Water Marks (B1)     Sediment Deposits (B2)     Drift Deposits (B3)     Algal Mat or Crust (B4)     Iron Deposits (B5)     Surface Soil Cracks (B6)     Inundation Visible on Aeria     Sparsely Vegetated Conce Field Observations:     Surface Water Present?     Water Table Present?     Saturation Present?     Includes capillary fringe)     Describe Recorded Data (streat	al Imagery (B ave Surface ( Yes Yes Yes am gauge, m	ed: check all that apply	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduct n Reduct Stressed lain in R ches): ches): bhotos, p	ves (B9) (r and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) ed Soils (C6) (1) (LRR A) (1) (LRR A) (1) (LRR A) (1) (LRR A) (1) (LRR A)	Secondary Indicators (2 or more 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 Aeria Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? Includes capillary fringe) Describe Recorded Data (streat	al Imagery (B ave Surface ( Yes YesX YesX am gauge, m	ed; check all that apply	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduce n Reduce Stressee (lain in R ches): ches): bhotos, p	ves (B9) (c and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) ed Soils (C6) (1) (LRR A) (1) (LRR A) Wetla spections), i	Secondary Indicators (2 or more required)
Surface Water (A1)     High Water Table (A2)     Xsaturation (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 Aeria     Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? Cincludes capillary fringe) Describe Recorded Data (streat Remarks:	al Imagery (B ave Surface ( Yes <u>Y</u> es <u>X</u> Yes <u>X</u> am gauge, m	ed; check all that apply	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizospho of Reduce n Reduce Stressee (lain in R ches): ches): ches):	ves (B9) (c and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) ed Soils (C6) (LRR A) (LRR A) (URR A) (URR A) (URR A) (URR A)	Secondary Indicators (2 or more required)
Surface Water (A1)     High Water Table (A2)     Katuration (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 Aerii     Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? Cincludes capillary fringe) Describe Recorded Data (streat	al Imagery (B ave Surface ( Yes Yes Yes am gauge, m	adject       check all that apply          Water-Stai         MLRA           Salt Crust          Aquatic Inv          Aquatic Inv          Aquatic Inv          Hydrogen 3          Oxidized R          Presence 0          Recent Iron          Other (Exp         (B8)       Other (Exp         No          No          Depth (inc         No          Depth (inc         No          Depth (inc         No           Depth (inc	() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizosphe of Reduce n Reduce Stressee lain in R ches): ches): ches): bhotos, p	ves (B9) ( and 4B) es (B13) dor (C1) eres along ed Iron (C ion in Tille I Plants (I emarks)	except (Living Root (4) ed Soils (C6) D1) (LRR A) UN (LRR A) Wetla spections), i	Secondary Indicators (2 or more 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 Aeria Sparsely Vegetated Conce Field Observations: Surface Water Present? Water Table Present? Saturation Present? Saturation Present? Cincludes capillary fringe) Describe Recorded Data (streat	al Imagery (B ave Surface ( Yes Yes Yes am gauge, m		() ned Lean 1, 2, 4A, (B11) vertebrate Sulfide C thizosphe of Reduce n Reduce Stressed lain in R ches): ches): ches): ches):	ves (B9) (r and 4B) es (B13) ed or (C1) eres along ed Iron (C ion in Tille Plants (I emarks)	except (Living Root (4) Ed Soils (C6) (LRR A) (LRR A) Wetla spections), i	Secondary Indicators (2 or more required)

plicant/Owner: State Parks		State: WA Sampling Point: SP-TIC
vestigator(s): P. Hamidi	Section Townst	nio. Range:
ndform (hillslope, terrace, etc.): DUNE	Local relief (cor	slope (%): 4
Ibregion (LBR):	Lat: :	Long: Datum:
il Man Unit Name: DiaNe Land	Lat	Long NAM classification: Apple and
		NVV classification.
e climatic r hydrologic conditions on the site typical for t	this time of year? Yes	
e vegetation, Soil, or Hydrology	_ significantly disturbed?	Are "Normal Circumstances" present? Yes 12 No
e vegetation, Soil, or Hydrology	_ naturally problematic?	(If needed, explain any answers in Remarks.)
JMMARY OF FINDINGS – Attach site ma	p showing sampling p	oint locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes K	No	
lydric Soil Present? Yes	No K Is the Sa	Impled Area
Vetland Hydrology Present? Yes	No <u>K</u> within a	
remarks: Below normal prec;	P,	
Photos 191-190		
EGETATION - Use scientific names of pla	ants.	Dente Dente Testus keheet
ree Stratum (Plot size: 2/)	% Cover Species? Sta	atus Number of Dominant Species
DINUS CONTORIES	60 Y P	AC That Are OBL, FACW, or FAC: (A)
		Total Number of Dominant 3
		Species Across All Strata: (B)
		Percent of Dominant Species 1.7
anting (Charle Charles - 15	66 = Total Cover	That Are OBL, FACW, or FAC: (A/B)
Currisis Scale Miles	20 V II	Prevalence Index worksheet:
Mahie fisce		ACW Total % Cover of: Multiply by:
Maccinium oughum		OBL species x1 =
VacciNiUM Parvitoliu	MZŽĚ	ACU FACW species x 2 =
Frangula Purshigua	<u>3</u> F	AC FAC species x3 =
= = = = = = = = = = = = = = = = = = = =	29 = Total Cover	FACU species x 4 =
erb Stratum (Plot size:)	20 V A	Q i Colump Totolo:
Cana oboupty	- 20 1 0	
Polystichum muritum	_ <u></u>	Prevalence Index = B/A =
U		Hydrophytic Vegetation Indicators:
		1 - Rapid Test for Hydrophytic Vegetation
		X 2 - Dominance Test is >50%
		3 - Prevalence Index is \$3.0"
		data in Remarks or on a separate sheet)
		5 - Wetland Non-Vascular Plants <sup>1</sup>
0.		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
int'	2/ = Total Cover	be present, unless disturbed or problematic.
Voody Vine Stratum (Plot size: 15)		
		Hydrophytic
·		Present? Yes X No
3	= Total Cover	
Bare Ground in Herb Stratum		

L

SOIL

Sampling Point: 5P-T10-2

Profile Description: (Describe	to the dept	h needed to docum	ent the i	indicator	or confirm	n the absence	of indicators.)
Depth Matrix		Redox	Feature	S	1 - 2	Testure	Pomorka
(inches) Color (moist)		Color (moist)	%	Type.	LOC		remarks
1-0	· ·					C.Oger	
0-10 2,544/2	100		-		-	LFS	
10-18 2,54 4/2	,97	8.544/3	3	C	m	LFS	
10.00 - 13 / 4	1.	1.1.	100		100.000	10000	
			-	1		-	
	6-10			-		1	h
				100	0.000		
	letion RM=	Reduced Matrix CS	Covere	d or Coat	ed Sand G	rains <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applic	able to all	LRRs. unless other	vise not	ed.)	eu oang o	Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)		Sandy Redox (S	5)			2 cm	Muck (A10)
Histic Epipedon (A2)		Stripped Matrix	(S6)			Red	Parent Material (TF2)
Black Histic (A3)		Loamy Mucky M	ineral (F	1) (excep	t MLRA 1)	Very	Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)		Loamy Gleyed N	Aatrix (F2	2)		Othe	er (Explain in Remarks)
Depleted Below Dark Surface	e (A11)	Depleted Matrix	(F3)			1.1.1.1.1	
Thick Dark Surface (A12)		Redox Dark Sur	face (F6)	)		<sup>3</sup> Indicator	rs of hydrophytic vegetation and
Sandy Mucky Mineral (S1)		Depleted Dark S	Surface (F	=7)		wetlar	nd hydrology must be present,
Sandy Gleyed Matrix (S4)	-	Redox Depressi	ons (F8)	200		unless	s disturbed or problematic.
Restrictive Layer (if present):						1	
Туре:					*		North March March M
Depth (inches):			-			Hydric Soil	Presentr Tes No
HYDROLOGY Wetland Hydrology Indicators		F			4		
Drimany Indicators (minimum of	one require	d: check all that apply	0			Secon	dary Indicators (2 or more required)
Surface Mater (A1)	one require	Water-Stai	ned Leav	res (B9) (	except	W	Ater-Stained Leaves (B9) (MLRA 1. 2.
Surface Water (A1)		MIRA	1. 2. 4A	and 4B)	Acopt	· · · · ·	4A. and 4B)
High Water Table (A2)		Salt Crust	(B11)			D	rainage Patterns (B10)
Saturation (AS)		Aquatic Inv	ertebrate	es (B13)		D	ry-Season Water Table (C2)
Sediment Deposits (B2)		Hydrogen	Sulfide O	dor (C1)			aturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Oxidized R	hizosphe	eres along	Living Ro	ots (C3) G	eomorphic Position (D2)
Algal Mat or Crust (B4)		Presence of	of Reduce	ed Iron (C	4)		hallow Aquitard (D3)
Iron Deposits (B5)		Recent Iron	n Reduct	ion in Tille	ed Soils (C	6) F.	AC-Neutral Test (D5)
Surface Soil Cracks (B6)		Stunted or	Stressed	Plants (I	01) (LRR A	) _ R	aised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial	Imagery (B	7) Other (Exp	lain in Re	emarks)		Fi	rost-Heave Hummocks (D7)
Sparsely Vegetated Concav	e Surface (	B8)					
Field Observations:					-		
Surface Water Present?	Yes	No X Depth (inc	hes):		_		
Water Table Present?	Yes	No X Depth (inc	ches):				
Saturation Present?	Yes	No K Depth (inc	thes):	-	Wet	land Hydrolog	Present? Yes No K
(includes capillary fringe)					_		
Describe Recorded Data (stream	n gauge, mo	onitoring well, aerial p	photos, p	revious in	spections)	, if available:	
Remarks:					-		

# WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

roject/Site: Westport S.P.	(	City/Dounty: We	ST PORT Sampling Date: 4/27/
pplicant/Owner: WA State Parks			State: WA Sampling Point: T12-1
vestigator(s): B. Fletcher		Section, Township, Ra	ange:
andform (hillslope, terrace, etc.): Interdung!		Local relief (concave)	convex.none): Slone (%):
ubregion (I BR): A	L at:	Ebban relief donidate,	
NI Man Linit Name: DUNE Land	Lal		_ Long Datum
		1.1.0.	NWI classification: FO [ >>
e climatic / hydrologic conditions on the site typical for th	his time of yea	ar? Yes No _	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology	significantly	disturbed? N Are	"Normal Circumstances" present? Yes X No
e Vegetation, Soil, or Hydrology	naturally pro	blematic? N (If ne	eeded, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site map	showing	sampling point l	ocations, transects, important features, etc
lydrophytic Vegetation Present? Yes	No		
-lydric Soil Present? Yes	No	Is the Sampled	d Area
Netland Hydrology Present? Yes X	No	within a Wetlan	nd? Yes <u>No</u>
Remarks: Slightly below normal	prec:p		
PLING DOGY 5			
10+05 1007-5			
EGETATION – Use scientific names of pla	nts.		and the second s
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Indicator	Dominance Test worksheet:
Salix hookeriana	7	X FACT	Number of Dominant Species
Pines contorta	25	X FAC	
Alous rubra	5	X PAC	Total Number of Dominant
	3.9	= Total Cover	Percent of Dominant Species 100 (A/B)
Salix bookering	90	V FARM	Prevalence Index worksheet:
Verialize Bretera		FLEU	Total % Cover of: Multiply by:
			OBL species x 1 =
	_		FACW species x 2 =
			FAC species x 3 =
6	95	= Total Cover	FACU species x 4 =
lerb Stratum (Plot size:)	AF	V API	UPL species x 5 =
Carex ourupta	95	X USL	Column Totals: (A) (B)
			Prevalence Index = B/A =
. <u> </u>			Hydrophytic Vegetation Indicators:
	-		1 - Rapid Test for Hydrophytic Vegetation
•			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 <sup>1</sup>
			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
			5 - Wetland Non-Vascular Plants <sup>1</sup>
0	_		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	95	= Total Cover	be present, unless disturbed or problematic.
Voody Vine Stratum (Plot size:)			
N/IA			Hydrophytic
			Vegetation
2			Procont? Vee
Cround in Hot Statum		= Total Cover	Present? Yes <u>No</u>

Sampling Point: 12-1

Depth (inches)								
(inches)	Matrix		Redox	Feature	s	1.2		Bernatu
	Color (moist)	_%	Color (moist)	_%_	Type'	Loc	Texture	Remarks
2-5	a. 57 3/1	100					1009	
5-18	2.574/1	91	IDYR5/6	d	C	M	4039	1
			7.54R3/6	7	C	m		
	Sec. March	1.00			1.000	0.00	1000	10 mm
					·			
					-		-	
				•				
<sup>1</sup> Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, CS	=Covere	d or Coate	d Sand G	rains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applica	able to all	LRRs, unless other	wise not	ed.)		Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		X Sandy Redox (S	5)			_ 20	m Muck (A10)
Histic Ep	ipedon (A2)		Stripped Matrix	(S6)			Re	d Parent Material (TF2)
Black His	stic (A3)		Loamy Mucky N	lineral (F	1) (except	MLRA 1)	Ver	ry Shallow Dark Surface (TF12)
Hydroger	n Sulfide (A4)		Loamy Gleyed I	Matrix (F2	2)		Oth	er (Explain in Remarks)
Depleted	Below Dark Surface	e (A11)	Depleted Matrix	(F3)	2		3	
Inick Da	IK SUITACE (A12)		Redox Dark Sul	Tace (F6)	=7)		Indicat	ors or nyoropnytic vegetation and
Sandy G	leved Matrix (S4)		Depieted Dark 3	ions (FR)	-0		unle	ss disturbed or problematic
Restrictive L	aver (if present):						l	
Type:							the second	
Denth (inc	thes).						Hydric Soi	Present? Yes X No
		-	× -					
HYDROLOO Wetland Hyd	GY Irology Indicators:		* .					
HYDROLO Wetland Hyd Primary Indic	GY Irology Indicators: ators (minimum of o	one require	d; check all that apply	<i>d</i>			Secc	undary Indicators (2 or more required)
HYDROLOO Wetland Hyd Primary Indic Surface N	GY Irology Indicators: ators (minimum of o Water (A1)	one require	d; check all that appl Water-Stai	v) ned Leav	ves (B9) (e	xcept	<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
HYDROLO Wetland Hyd Primary Indic Surface N High Wat	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2)	one require	d; check all that appl Water-Stai MLRA	v) ned Leav 1, 2, 4A,	ves (B9) (e and 4B)	xcept	<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLO Wetland Hyd Primary Indic Surface N High Wat Saturatio	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3)	one require	d; check all that appl Water-Stai MLRA Salt Crust	v) ned Leav 1, 2, 4A, (B11)	/es (B9) (e and 4B)	xcept	<u>Secc</u>	Indary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
HYDROLO(         Wetland Hyd         Primary Indic         Surface N         High Wat         Saturatio         Water Mater Mater Mater Mater Mater	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1)	one require	d; check all that appl Water-Stai MLRA Salt Crust Aquatic Inv	/) ned Leav 1, 2, 4A, (B11) vertebrate	ves (B9) (e and 4B) es (B13)	xcept	<u>Secc</u>	ondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
HYDROLOO Wetland Hyd Primary Indic Surface N High Wal Saturatio Water Ma Sedimen	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2)	one require	d; check all that appl Water-Stai Salt Crust Aquatic Inv Hydrogen	r) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O	ves (B9) (e and 4B) es (B13) edor (C1)	xcept	<u>Seco</u>	Andary 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)
HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3)	one require	d; check all that appl Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R	r) ned Leav 1, 2, 4A, (B11) rertebrate Sulfide O Sulfide O Sulfide O	ves (B9) (e and 4B) es (B13) edor (C1) eres along	xcept	<u>Secc</u>      	Andary 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) Geomorphic Position (D2)
HYDROLOO Wetland Hyd Primary Indic Surface M High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osite (M5)	one require	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence of Presence of	r) ned Leav 1, 2, 4A, (B11) rertebrate Sulfide O thizosphe of Reduce	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4	xcept	<u>Secc</u>      	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOO Wetland Hyd Primary Indic Surface 1 High Wat Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Seil Crecke (B6)	one require	d; check all that appl Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted on	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct n Reduct	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille	xcept Living Roo I) d Soils (Cf	$\frac{Secc}{2}$	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Period A Magnata (C0) (1 DD A)
HYDROLOO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Dep Surface S	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) m Visible on Actient	one require	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Stunted or	r) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O chizosphe of Reduct n Reduct Stressed	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Plants (D	xcept Living Roo I) d Soils (Cf 1) (LRR A	<u>Secc</u>      	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
HYDROLOO Wetland Hyd Primary Indic Surface N High Wai Saturatio Water Ma Sedimen Drift Dep Algal Mai Iron Dep Surface S Inundatio	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I	magery (B	d; check all that appl Water-Stai MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence of Recent Iro Stunted or 57) Other (Exp 188)	r) ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed Jain in Re	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Plants (D emarks)	xcept Living Roo I) d Soils (Cf 1) (LRR A	$\frac{\text{Secc}}{-1}$	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOO Wetland Hyd Primary Indic Surface I High Wai Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Surface S Inundatio Sparsely Eield Observer	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave rations:	me require	d; check all that apple Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro Stunted or 77) Other (Exp B8)	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed Jain in Re	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille 1 Plants (D emarks)	xcept Living Roc I) d Soils (Cf 1) (LRR A	$\frac{Secc}{-1}$ $\frac{-1}{-1}$ $$	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOO Wetland Hyd Primary Indic Surface V High Wa' Saturatio Water Ma Sedimen Drift Dep Algal Mar Iron Dep Surface S Field Observ Surface Water	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave rations: The Present?	Imagery (B Surface (	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Stunted or To Cher (Exp (B8)	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct Stresseo Idain in Reduct Stresseo Idain in Reduct	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Plants (D emarks)	xcept Living Roc I) d Soils (Cf 1) (LRR A		Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave vations: er Present? Y	Imagery (B e Surface (	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence o Recent Iro Stunted or TO Other (Exp (B8) No Depth (ind	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct n Reduct Stressec vlain in Re-	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Iron (C4 ion in Tille f Plants (D emarks)	xcept Living Roo I) d Soils (Cf 1) (LRR A		Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOO Wetland Hyd Primary Indic Surface M High Wai Saturatio Water M Sedimen Drift Dep Algal Mai Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Y	Imagery (B es Surface (	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Stunted or 7) Other (Exp (B8) No C Depth (inc No Depth (inc	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct n Reduct Stressec lain in Re-	$\frac{1}{7}$	Living Roo ) d Soils (Cf 1) (LRR A	Secc       	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOU Wetland Hyd Primary Indic Surface V High Wal Saturatio Water Ma Sedimen Drift Dep Algal Mar Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Prr (includes cap	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Yesent?	Imagery (B e Surface ( es es	d; check all that apply	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed vlain in Re- ches): thes):	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4 ion in Tille d Plants (D emarks)	xcept Living Roc I) d Soils (Cf 1) (LRR A	Seco  ots (C3) X (C3) X (C	Adary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOG         Wetland Hyd         Primary Indic	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Present? Ye esent? Ye illary fringe) corded Data (stream	magery (B e Surface ( es gauge, mag	d; check all that apple Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence o Recent Iro Stunted or TO Other (Exp (B8) No Depth (ind No Depth (ind	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O chespication che	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4) ion in Tille d Iron (C4) ion in Tille d Plants (D emarks) $\frac{1}{2}$ revious ins	Living Roo ) d Soils (Cf 1) (LRR A Wetl pections),	Seco   ots (C3) X  3) X  3) X  and Hydrolog if available:	andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Wetland Hyd Primary Indic Surface Ma Surface Ma Saturatio Water Ma Sedimen Drift Dep Algal Mar Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Prr (includes cap Describe Rec	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave vations: er Present? Present? Yesent? Sorded Data (stream	Imagery (B e Surface ( es es gauge, mag	d; check all that apply	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressed lain in Re- ches): thes): thes): thes):	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Plants (D emarks)	xcept Living Roc I) d Soils (Cf 1) (LRR A 	Seco  obts (C3) X (C3) X (	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLO Wetland Hyd Primary Indic Surface Market Saturatio Water Market Sedimen Drift Dep Algal Mar Iron Dep Surface S Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Prr (includes cap Describe Reco Remarks:	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave rations: er Present? Present? Present? Yesent? illary fringe) corded Data (stream	Imagery (B e Surface ( es es gauge, ma	d; check all that apple	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressec vlain in Re- ches): ches): ches): ches):	ves (B9) (e and 4B) es (B13) dor (C1) eres along ed Iron (C4 ion in Tille f Plants (D emarks)	xcept Living Roc I) d Soils (Cf 1) (LRR A Understand	Seco      	Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOU         Wetland Hyd         Primary Indic         Surface N         High Wal         Saturatio         Water M:         Sedimen         Drift Dep         Algal Ma         Iron Dep         Surface S         Inundation         Sparsely         Field Observ         Surface Water         Water Table I         Saturation Principles cap         Describe Record         Remarks:	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave rations: er Present? Present? Present? Ya esent? Ya illary fringe) corded Data (stream	Imagery (B e Surface ( res res gauge, ma	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence of Recent Iro Stunted or To Other (Exp (B8) No Depth (ind No Depth (ind No Depth (ind No Depth (ind No Depth (ind)	() ned Leav 1, 2, 4A, ( (B11) vertebrate Sulfide O thizosphe of Reduce n Reduct Stressec values): ches): ches): ches):	ves (B9) (e and 4B) es (B13) edor (C1) eres along ed Iron (C4 ion in Tille d Iron (C4 ion in Tille d Plants (D emarks) $\frac{1}{7}$ $\frac{1}{5}$ revious ins	xcept Living Roc I) d Soils (Cf 1) (LRR A 		Andary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOI         Wetland Hyd         Primary Indic	GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) on (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) Soil Cracks (B6) on Visible on Aerial I Vegetated Concave rations: er Present? Present? Ye esent? Ye illary fringe) corded Data (stream	magery (B e Surface ( es gauge, m	d; check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized F Presence o Recent Iro Stunted or 7) Other (Exp (B8) No Depth (ind No Depth (ind no Depth (ind no Depth (ind	() ned Leav 1, 2, 4A, (B11) vertebrate Sulfide O thizosphe of Reduct n Reduct Stressec lain in Re- thes): thes): thes): bhotos, pi	$\frac{1}{7}$	xcept Living Roo ) d Soils (Cf 1) (LRR A   	Seco  	Indary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION D	ATA FORM - Western Mou	intains, Valleys, and	Coast Region
Project/Site: Westport S.P.	City/County:	STPORT	Sampling Date: 4/27/2
Applicant/Owner. WA State Parks		State: WA	Sampling Point: T12-2
Investigator(s): B. Fletcher	Section, Township, Ra	inge;	
Landform (hillslope, terrace, etc.): Interdunal	Local relief (concave)	convex, none):	Slope (%): 3
Subregion (LRR):	Lat:	Long:	Datum:
Soil Map Unit Name: Dune Land		NWI classifica	ation: Upland
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes No _	(If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? N Are	"Normal Circumstances" p	resent? Yes X No
Are Vegetation, Soil, or Hydrology	_naturally problematic? N (If n	eeded, explain any answer	s in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	p showing sampling point	ocations, transects,	, important features, etc
Hydrophytic Vegetation Present?     Yes       Hydric Soil Present?     Yes       Wetland Hydrology Present?     Yes	No ★ Is the Sampled No ★ within a Wetla	l Area nd? Yes	No
Photos 7006-7	al prec:p.		
VEGETATION - Ose scientific names of pla	Absolute Dominant Indicator	Dominanco Tost works	heat:
Tree Stratum (Plot size: 20 5 1. Pinks conterta	<u>% Cover</u> <u>Species?</u> <u>Status</u> <u>70</u> <u>X</u> <u>FA</u> <u>C</u>	Number of Dominant Sp That Are OBL, FACW, o	ecies ) (A)
23		Total Number of Domina Species Across All Strat	a: <u>4</u> (B)
4	<u>70</u> = Total Cover	Percent of Dominant Spo That Are OBL, FACW, o	rFAC: 50 (A/B)
1. CV+ iSUS SCOORFILS	10 × FACH	Prevalence Index work	sheet:
2. Walcinium Dratum	20 X FALL	Total % Cover of:	Multiply by:
3		OBL species	x1=
4		FACIV species	x 2=
5		FAC species	x 3 =
	= Total Cover	LIPI species	

4				FACIV species	X2	_
5		-		FAC species	x 3 =	_
5		= Total C	over	FACU species	x 4 =	
Herb Stratum (Plot size:)	20	iv.	DRI	UPL species	x 5 =	-
1. Larex obnurta			- DL	Column Totals:	(A)	(B)
2. Hypochaeris radicata			FACU	Prevalence Index	= B/A =	
3. Ichedanorus arundingreus	5		FAC	Hydrophytic Vegetatio	on Indicators:	
4		-		1 - Rapid Test for I	Hydrophytic Vegetation	
5		1		2 - Dominance Tes	at is >50%	
6	1.00	2.0		3 - Prevalence Inde	ex is ≤3.0 <sup>1</sup>	
7		-	1	4 - Morphological /	Adaptations <sup>1</sup> (Provide s	upporting
8			C. Million	data in Remark	s or on a separate shee	et)
9				5 - Wetland Non-V	ascular Plants <sup>1</sup>	
10				Problematic Hydro	phytic Vegetation <sup>1</sup> (Exp	lain)
11				<sup>1</sup> Indicators of hydric soi	and wetland hydrolog	y must
		= Total Co	over	be present, unless distu	urbed or problematic.	
Woody Vine Stratum (Plot size:)	-			C		-
1	Sec. 22			Hydrophytic		
2		4		Vegetation	K	
The second s	40 .	= Total C	over	Present? Ye	s No	1
% Bare Ground in Herb Stratum						
Remarks:						
* Plot size reduced due to sma	ell upla	ind 1	sland			
MOSS = 80%						

Sampling Point: T12-2

inches) Color (moist) %				
	Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
1-18 2.544/2 100		100.000	Losa	
			r	
				1.1
vpe: C=Concentration, D=Depletion.	RM=Reduced Matrix CS=Covered	or Coated Sand	Grains <sup>2</sup> Locat	ion: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to	all LRRs, unless otherwise note	d.)	Indicators	for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox (S5)		2 cm M	Auck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)		Red Pa	arent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1)	(except MLRA	1) Very S	hallow Dark Surface (TF12)
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)		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7	7)	wetland	hydrology must be present,
_ Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	1.000	unless o	listurbed or problematic.
estrictive Layer (if present):			1 2 2 4	
Туре:			Section 2	V
Depth (inches):	and the second se		Hydric Soil Pr	esent? Yes No 🔨
/DROLOGY				1.1.1.
DROLOGY				
PROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one reg	uired; check all that apply)		Seconda	ny Indicators (2 or more required)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one reg Surface Water (A1)	uired; check all that apply) Water-Stained Leave	s (B9) (except	Seconda	ry Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2
<b>DROLOGY</b> /etland Hydrology Indicators: rimary Indicators (minimum of one req _ Surface Water (A1) High Water Table (A2)	uired; check all that apply) Water-Stained Leave MLRA 1, 2, 4A, ar	s (B9) (except nd 4B)	<u>Seconda</u> Wat	ry Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A. and 4B)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one reg Surface Water (A1) High Water Table (A2) Saturation (A3)	uired; check all that apply) Water-Stained Leave MLRA 1, 2, 4A, ar Salt Crust (B11)	s (B9) (except nd 4B)	<u>Seconda</u> Wat  Drai	ry Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10)
<b>DROLOGY</b> Vetland Hydrology Indicators: <u>rimary Indicators (minimum of one req</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) Water Marks (B1)	uired; check all that apply) Water-Stained Leave MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates	s (B9) (except nd 4B) : (B13)	<u>Seconda</u> Wat Drai Drai	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2)
/DROLOGY /etland Hydrology Indicators: timary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	uired; check all that apply) Water-Stained Leave MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd	s (B9) (except nd 4B) : (B13) or (C1)	<u>Seconda</u> Wat A Drai Drai Satu	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) aration Visible on Aerial Imagery (C3
Vetland Hydrology Indicators: rimary Indicators (minimum of one req _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) Drift Deposits (B3)	uired; check all that apply) Water-Stained Leaver MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere	s (B9) (except nd 4B) (B13) or (C1) es along Living R	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo	ary Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) aration Visible on Aerial Imagery (C morohic Position (D2)
Vetland Hydrology Indicators: rimary Indicators (minimum of one reg _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) Algal Mat or Crust (B4)	uired; check all that apply) Water-Stained Leave: MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced	s (B9) (except nd 4B) (B13) or (C1) es along Living R 1 Iron (C4)	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagery (C morphic Position (D2) Ilow Aquitard (D3)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one reg 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)	uired; check all that apply) Water-Stained Leave MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio	s (B9) (except nd 4B) (B13) or (C1) es along Living R I Iron (C4) n in Tilled Soils (	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Irration Visible on Aerial Imagery (C4 morphic Position (D2) Ilow Aquitard (D3) C-Neutral Test (D5)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one req 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)	uired; check all that apply) Water-Stained Leave MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F	s (B9) (except nd 4B) c (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Irration Visible on Aerial Imagery (C3 morphic Position (D2) Ilow Aquitard (D3) S-Neutral Test (D5) sed Ant Mounds (D6) (LRR A)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one req 	uired; check all that apply) Water-Stained Leaver MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio Stunted or Stressed F y (B7) Other (Explain in Rem	s (B9) (except nd 4B) c (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks)	<u>Seconda</u> Wat Drai Dry Satu oots (C3) Geo Sha C6) FAC A) Rais Froe	ery Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) iration Visible on Aerial Imagery (C3 morphic Position (D2) Ilow Aquitard (D3) Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one req 	uired; check all that apply) Water-Stained Leaves MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reductio Stunted or Stressed F y (B7) Other (Explain in Rem ce (B8)	s (B9) (except nd 4B) (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks)	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) mage Patterns (B10) Season Water Table (C2) Irration Visible on Aerial Imagery (C3 morphic Position (D2) Ilow Aquitard (D3) 2-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
Vetland Hydrology Indicators: rimary Indicators (minimum of one reg _ 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 Imager _ Sparsely Vegetated Concave Surfa teld Observations:	uired; check all that apply) Water-Stained Leaver MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F y (B7) Other (Explain in Ren ce (B8)	s (B9) (except nd 4B) c (B13) or (C1) es along Living R 1 Iron (C4) n in Tilled Soils (Plants (D1) (LRR narks)	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagery (C3 morphic Position (D2) Ilow Aquitard (D3) S-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
Vetland Hydrology Indicators: trimary Indicators (minimum of one reg 	uired; check all that apply) Water-Stained Leaves MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F y (B7) Other (Explain in Ren ce (B8) No Depth (inches):	s (B9) (except nd 4B) (B13) or (C1) es along Living R I Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks)	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Irration Visible on Aerial Imagery (C3 morphic Position (D2) Ilow Aquitard (D3) S-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
/DROLOGY         /etland Hydrology Indicators:         rimary Indicators (minimum of one req         _ 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 Imager         _ Sparsely Vegetated Concave Surfa         ield Observations:         urface Water Present?         Yes	uired; check all that apply) Water-Stained Leave: MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F (B7) Other (Explain in Ren ce (B8) No X Depth (inches):	s (B9) (except nd 4B) c (B13) or (C1) es along Living R 1 Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks)	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Irration Visible on Aerial Imagery (C4 morphic Position (D2) Ilow Aquitard (D3) 2-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
//DROLOGY         /etland Hydrology Indicators:         rimary Indicators (minimum of one reg	uired; check all that apply) Water-Stained Leaver MLRA 1, 2, 4A, ar Salt Crust (B11) Aquatic Invertebrates Hydrogen Sulfide Odd Oxidized Rhizosphere Presence of Reduced Recent Iron Reduction Stunted or Stressed F (B7) Other (Explain in Ren ce (B8) No Depth (inches): No Depth (inches): No Depth (inches): No Depth (inches): No X Depth (inches): No X Depth (inches):	s (B9) (except nd 4B) c (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks)	<u>Seconda</u> Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagery (C4 morphic Position (D2) Ilow Aquitard (D3) 2-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
Yetland Hydrology Indicators:         trimary Indicators (minimum of one req	uired; check all that apply)	s (B9) (except nd 4B) c (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks)	Seconda Wat Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagery (C3 morphic Position (D2) Ilow Aquitard (D3) >-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         trimary Indicators (minimum of one reg         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 Imager         Sparsely Vegetated Concave Surfa         Teld Observations:         Surface Water Present?         Yes         Saturation Present?         Yes         Saturation Present?         Yes         Saturation Present?         Yes         Saturation Present?         Yes         Discribe Recorded Data (stream gauge	uired; check all that apply)	s (B9) (except nd 4B) (B13) or (C1) es along Living R 1 Iron (C4) n in Tilled Soils (Plants (D1) (LRR narks) weights (D1) (LRR narks)	Seconda Wat Drai Drai Dry- Satu oots (C3) Geo Sha C6) FAC A) Rais Fros etland Hydrology F	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) irration Visible on Aerial Imagery (C3 morphic Position (D2) llow Aquitard (D3) S-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         rimary Indicators (minimum of one req	uired; check all that apply)	s (B9) (except nd 4B) c (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks) wa vious inspections	Seconda Wat Drai Dry- Satu Dry- Satu Cols (C3) Geo Sha C6) FAC A) Rais Frose etland Hydrology F S), if available:	er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) Iration Visible on Aerial Imagery (C morphic Position (D2) Ilow Aquitard (D3) 2-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         'rimary Indicators (minimum of one reg         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 Imager         Sparsely Vegetated Concave Surfa         Water Table Present?       Yes         Saturation Present?       Yes	uired; check all that apply)	s (B9) (except nd 4B) (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks) weights with the second s	Seconda Wat Drai Dry Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) irration Visible on Aerial Imagery (C4 morphic Position (D2) Ilow Aquitard (D3) Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
//DROLOGY         /etland Hydrology Indicators:         rimary Indicators (minimum of one reg         _ 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 Imager         _ Sparsely Vegetated Concave Surfa         ield Observations:         urface Water Present?       Yes         /ater Table Present?       Yes         aturation Present?       Yes         ncludes capillary fringe)       escribe Recorded Data (stream gauge         emarks:	uired; check all that apply)	s (B9) (except nd 4B) (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils ( Plants (D1) (LRR narks) weights (D1) (LRR narks) weights (D1) (LRR narks)	Seconda Wat Drai Dry Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) iration Visible on Aerial Imagery (C morphic Position (D2) Ilow Aquitard (D3) Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)
YDROLOGY         fetland Hydrology Indicators:         rimary Indicators (minimum of one reg         _ 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 Imager         _ Sparsely Vegetated Concave Surfa         ield Observations:         urface Water Present?       Yes         /ater Table Present?       Yes         aturation Present?       Yes         acturation Present?       Yes         escribe Recorded Data (stream gauge         emarks:	uired; check all that apply)	s (B9) (except nd 4B) c (B13) or (C1) es along Living R d Iron (C4) n in Tilled Soils (Plants (D1) (LRR narks) weights (D1) (LRR narks) weights (D1) (LRR	Seconda Wat Drai Dry Satu oots (C3) Geo Sha C6) FAC A) Rais Fros	Inv Indicators (2 or more required) er-Stained Leaves (B9) (MLRA 1, 2 A, and 4B) nage Patterns (B10) Season Water Table (C2) iration Visible on Aerial Imagery (Ci morphic Position (D2) llow Aquitard (D3) S-Neutral Test (D5) sed Ant Mounds (D6) (LRR A) at-Heave Hummocks (D7)

#### WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Project/Site: Westport 5.P. City/County: Westport Sampling Date: 4/27 Applicant/Owner: WA State Parks State: WA Sampling Point: T13-Investigator(s): B. Fletcher Section, Township, Range: Landform (hillslope, terrace, etc.): Interdunal Local relief (concave, convex, none): \_\_\_\_\_\_ Slope (%): \_\_\_\_\_ Subregion (LRR): A Long: Lat: Datum: Soil Map Unit Name: DUNE Land NWI classification: PFO/EM Are climatic / hydrologic conditions on the site typical for this time of year? Yes \_\_\_\_\_ No \_\_\_\_ (If no, explain in Remarks.) Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_\_ significantly disturbed? // Are "Normal Circumstances" present? Yes \_\_\_\_\_ No \_\_\_\_ Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, 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. Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Is the Sampled Area Hydric Soil Present? Yes <u>X</u> No <u>Yes</u> <u>X</u> No <u>Yes</u> <u>X</u> No <u>Yes</u> <u>X</u> Yes No\_\_\_\_ Wetland Hydrology Present? Remarks: Slightly below normal procip. Photos 9-10 VEGETATION – Use scientific names of plants. Absolute Dominant Indicator <u>% Cover Species?</u> Status 20 X FAC Dominance Test worksheet: Tree Stratum (Plot size: 30 -Number of Dominant Species 1. Pinus contorta That Are OBL, FACW, or FAC: (A) 2. Total Number of Dominant 3 Species Across All Strata: (B) Percent of Dominant Species 20 = Total Cover 00 Sapling/Shrub Stratum (Plot size: 15 ) That Are OBL, FACW, or FAC: (A/B) Prevalence Index worksheet: FACW 1. Salix hooker, and Total % Cover of: Multiply by: 2. Spirara doualasii OBL species \_\_\_\_\_ x 1 = 3 / philesa involuciata FACW species \_\_\_\_\_ x 2 = \_\_\_\_ FAC species \_\_\_\_\_ x 3 = \_\_\_\_\_ 5. FACU species \_\_\_\_\_ x 4 = \_\_\_\_ = Total Cover UPL species \_\_\_\_\_ x 5 = \_\_\_\_ Herb Stratum (Plot size: OBL Column Totals: \_\_\_\_\_ (A) \_\_\_\_\_ (B) 1. Carex objusta 2. Agrostis Stoloni Fosa Prevalence Index = B/A = 3. Hydrophytic Vegetation Indicators: 4. 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 5. 6. \_\_\_\_ 3 - Prevalence Index is ≤3.0<sup>1</sup>

= Total Cover

7.\_\_\_\_\_ 11. = Total Cover Woody Vine Stratum (Plot size: \_\_\_\_

0 % Bare Ground in Herb Stratum Remarks:

2. 1/

8.

9.

10.

1.

\_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must

Yes X No

5 - Wetland Non-Vascular Plants

Hydrophytic

Vegetation

Present?

be present, unless disturbed or problematic.

Sampling Point:

Depth Matrix	Redox Features	
inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
D-6 2.544/1 100		Losa
-1P 2.544/1 93	10XA 4/6 7 C M	LeSa
and the second		
ype: C=Concentration, D=Depletion, RM	M=Reduced Matrix, CS=Covered or Coated Sand G	Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to a	II LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
_ 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)	<ul> <li>A state of the second se</li></ul>
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> 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.
estrictive Layer (if present):		
Type:		V
Depth (inches):	the second s	Hydric Soil Present? Yes No
		4
/DROLOGY /etland Hydrology Indicators:		
PROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requir	ed; check all that apply)	Secondary Indicators (2 or more required)
<b>DROLOGY</b> Vetland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1)	ed; check all that apply) Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
<b>'DROLOGY</b> <b>Tetland Hydrology Indicators:</b> <u>rimary Indicators (minimum of one requir</u> <u>Surface Water (A1)</u> High Water Table (A2)	red; check all that apply) 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)
<b>DROLOGY</b> <b>Vetland Hydrology Indicators:</b> <u>rimary Indicators (minimum of one requir</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
<b>DROLOGY</b> <b>etland Hydrology Indicators:</b> <u>imary Indicators (minimum of one requir</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1)	red; check all that apply) 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) Drainage Patterns (B10) Dry-Season Water Table (C2)
<b>DROLOGY</b> <b>fetland Hydrology Indicators:</b> <u>rimary Indicators (minimum of one requir</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) Sediment Deposits (B2)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	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)
<b>DROLOGY</b> <b>Tetland Hydrology Indicators:</b> <u>timary Indicators (minimum of one requir</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3)	red; check all that apply) 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	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 (CS ots (C3) Geomorphic Position (D2)
<b>'DROLOGY</b> <b>Tetland Hydrology Indicators:</b> <u>rimary Indicators (minimum of one requir</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4)	ed; check all that apply) Water-Stained 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)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> </ul>
<b>DROLOGY</b> <b>(etland Hydrology Indicators:</b> <u>rimary Indicators (minimum of one requir</u> _ 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)	red; check all that apply) — Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) — Sait 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	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) tots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) (6) K FAC-Neutral Test (D5)
<b>DROLOGY</b> <b>(etland Hydrology Indicators:</b> <u>fimary Indicators (minimum of one requir</u> _ 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)	red; check all that apply) 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 A	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9</li> <li>Sots (C3) Second Provided Action (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
<b>DROLOGY</b> <b>etland Hydrology Indicators:</b> <u>fimary Indicators (minimum of one requin</u> _ 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 (1)	ed; check all that apply) 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 A B7)   ✓ Other (Explain in Remarks)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Stallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
<b>DROLOGY</b> <b>fetland Hydrology Indicators:</b> <u>fimary Indicators (minimum of one requin</u> _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) _ Sediment Deposits (B2) _ Drift Deposits (B3) _ Algal Mat or Crust (B4) _ Iron Deposits (B5) _ Surface Soil Cracks (B6) _ Inundation Visible on Aerial Imagery ( _ Sparsely Vegetated Concave Surface	red; check all that apply) 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 A B7)   X Other (Explain in Remarks) (B8)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
<b>DROLOGY</b> <b>Tetland Hydrology Indicators:</b> <u>rimary Indicators (minimum of one requir</u> _ 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 (I _ Sparsely Vegetated Concave Surface <b>ield Observations:</b>	ed; check all that apply) — 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 A B7)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 of s(C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
<b>'DROLOGY fetland Hydrology Indicators:</b> rimary Indicators (minimum of one requir         _ Surface Water (A1)         _ High Water Table (A2)         _ Saturation (A3)         _ Water Marks (B1)         _ Sediment Deposits (B2)         _ Drift Deposits (B3)         _ Algal Mat or Crust (B4)         _ Iron Deposits (B5)         _ Surface Soil Cracks (B6)         _ Inundation Visible on Aerial Imagery (I         _ Sparsely Vegetated Concave Surface         ield Observations:         urface Water Present?	med; check all that apply)	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 Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) Shallow Aquitard (D3) (6) X FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Algal Mat or Crust (B4)     Iron Deposits (B5)     Surface Soil Cracks (B6)     Inundation Visible on Aerial Imagery (     Sparsely Vegetated Concave Surface     Water Table Present?	red; check all that apply)	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) Shallow Aquitard (D3) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
/DROLOGY         /etland Hydrology Indicators:         rimary Indicators (minimum of one requir         _ Surface Water (A1)         _ High Water Table (A2)         _ Saturation (A3)         _ Water Marks (B1)         _ Sediment Deposits (B2)         _ Drift Deposits (B3)         _ Algal Mat or Crust (B4)         _ Iron Deposits (B5)         _ Surface Soil Cracks (B6)         _ Inundation Visible on Aerial Imagery (I         _ Sparsely Vegetated Concave Surface         ield Observations:         urface Water Present?       Yes         Vater Table Present?       Yes         _ Yes	red; check all that apply)	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     Saturation Visible on Aerial Imagery (C9     Shallow Aquitard (D3)     Shallow Aquitard (D3)     FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)
<b>/DROLOGY /etland Hydrology Indicators:</b> rimary Indicators (minimum of one requir         _ Surface Water (A1)         _ High Water Table (A2)         _ Saturation (A3)         _ Water Marks (B1)         _ Sediment Deposits (B2)         _ Drift Deposits (B3)         _ Algal Mat or Crust (B4)         _ Iron Deposits (B5)         _ Surface Soil Cracks (B6)         _ Inundation Visible on Aerial Imagery (I         _ Sparsely Vegetated Concave Surface         ield Observations:         urface Water Present?       Yes         /ater Table Present?       Yes         _ Autorian Present?       Yes	red; check all that apply)	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) (A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Calculated Hydrology Present? Yes No
<b>/DROLOGY fetland Hydrology Indicators:</b> rimary Indicators (minimum of one requir         _ Surface Water (A1)         _ High Water Table (A2)         _ Saturation (A3)         _ Water Marks (B1)         _ Sediment Deposits (B2)         _ Drift Deposits (B3)         _ Algal Mat or Crust (B4)         _ Iron Deposits (B5)         _ Surface Soil Cracks (B6)         _ Inundation Visible on Aerial Imagery (I         _ Sparsely Vegetated Concave Surface         ield Observations:         urface Water Present?       Yes         /ater Table Present?       Yes         /aturation Present?       Yes         maturation Present?       Yes         _ Surface Corded Data (stream gauge, not stream gau	ed; check all that apply)	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) Shallow Aquitard (D3) Shallow Aquitard (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
/DROLOGY         /etland Hydrology Indicators:         rimary Indicators (minimum of one requir	red; check all that apply)	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     Saturation Visible on Aerial Imagery     Saturation Visible on Aerial Imagery     Saturation Visible on Aerial Imagery     Saturation (D2)     Saturation (D2)     Shallow Aquitard (D3)     Saturation (D2)     Shallow Aquitard (D3)     Saturation (D2)     Shallow Aquitard (D3)     Saturation (D2)     Saturation (D2)     Shallow Aquitard (D3)     Saturation (D2)     Shallow Aquitard (D3)     Saturation (D2)     Saturation (D2)     Shallow Aquitard (D3)     Saturation (D2)
Imarks:         Intervention         Imarks:	med; check all that apply)	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) (6) X FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Stand Hydrology Present? Yes No , if available:
Imarks:         International State         Internation Present         Yes         Intenal State <td>red: check all that apply)        </td> <td>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) (6) X FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Cland Hydrology Present? Yes No , if available: higher in early growing</td>	red: check all that apply)	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) (6) X FAC-Neutral Test (D5) A) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Cland Hydrology Present? Yes No , if available: higher in early growing
Imarks:         Interface	ed: check all that apply)	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 (CS ots (C3) Second Complete Position (D2) Shallow Aquitard (D3) (a) FAC-Neutral Test (D5) (b) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Cland Hydrology Present? Yes No if available: higher in early growing Second Complete Part of the Second Complete Part of the Se

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

Annlicent/Oursel Used States	Carte (	City/County:	Stpart	Sampling Date: 4/27/2
Investigatoria B Elat	ark?		State: WA	Sampling Point: <u> </u>
and the stigator(s): 0. retchel		Section, Township, Ra	nge:	
Landform (hillslope, terrace, etc.): Done 5		Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR):	Lat:		Long:	Datum:
Soil Map Unit Name: DUNE Land			NWI classifi	cation: Upland
Are climatic / hydrologic conditions on the site ty	pical for this time of yea	ar? Yes No	X (If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrolog	y significantly	disturbed? // Are	"Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrolog	naturally pro	blematic?	eded explain any answ	ers in Remarks )
SUMMARY OF FINDINGS - Attach	ite map showing	sampling point I	ocations, transects	s, important features, etc
Hydrophytic Vegetation Present? Yes	No X			
Hydric Soil Present? Yes	No X	Is the Sampled	Area	X
Wetland Hydrology Present? Yes	No _X	within a Wetla	nd? Yes	No
Remarks: Slightly delow nor	mal precip.		-	
160tos 11-12				
	s of plants.	Dominant Indiantes	Deminence Test	
Tree Stratum (Plot size: 36 )	% Cover	Species? Status	Number of Dominant C	coneet:
1A/A			That Are OBL, FACW,	or FAC: (A)
2			Total Number of Domin	ant. L
3			Species Across All Stra	ata: (B)
4	the second second		Percent of Dominant S	necies C
Sapling/Shrub Stratum (Plot size: 15		= Total Cover	That Are OBL, FACW,	or FAC: (A/B)
1. Extisus scoparius	60	X UPL	Prevalence Index wo	rksheet:
2			Total % Cover of:	Multiply by:
3			OBL species	x1=
4			FACW species	x2=
5			FAC species	x3=
5-	80	= Total Cover	LIPI species	X4=
Herb Stratum (Plot size:)	30	X oBI	Column Totals:	(A) (P)
1. Larex pompety	0 10	X FACU		(A) (B)
2 Schedraus Escudiade	Pris 10	V FAC	Prevalence Index	<pre>&lt; = B/A =</pre>
A Holeus langtus	41	FAC	Hydrophytic Vegetati	on Indicators:
5 Plantasp lanceslate	1	FACU	1 - Rapid Test for	Hydrophytic vegetation
6 TUNCUS SP	5	(	3 - Prevalence Inc	st is > 50%
7.			4 - Mornhological	Adaptations <sup>1</sup> (Provide supporting
8.			data in Remark	is or on a separate sheet)
9.			5 - Wetland Non-\	ascular Plants <sup>1</sup>
10.			Problematic Hydro	ophytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric so	il and wetland hydrology must
	60	= Total Cover	be present, unless dist	urbed of problematic.
Woody Vine Stratum (Plot size:			Los Artico Mari	
1A			Hydrophytic	$\checkmark$
2		- Total Cover	Present? Ye	es No
A Second second strained by the second s		- Total Cover	1.5.1.2.2.	
% Bare Ground in Herb Stratum 🖉				

Sampling Point: T13-2

Profile Description: (Describe to the dep	th needed to document the indicator or confirm	the absence of indicators.)
Depth Matrix	Redox Features	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-15 2.57712 100	A	Losa Soil relatively losse
		and the second sec
		aine <sup>3</sup> Leastian: DL-Boro Liping M-Matrix
Hydric Soil Indicators: (Applicable to all	LRRs. unless otherwise noted )	Indicators for Problematic Hydric Soils <sup>3</sup> :
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)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> 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):		
Type:		X
Depth (inches):		Hydric Soil Present? Yes No
Remarks:	1. 11	the second s
rotential spairs	pile / berm	
100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100		-
HYDROLOGY		
Wetland Hydrology Indicators:	the second s	
Primary Indicators (minimum of one require	d: check all that apply)	Secondary Indicators (2 or more required)
Printary Indicators (Minimum or one require	Water Stained Leaves (B0) (except	Water Steined Lewiss (DO) (ALDA 4.2
Surface Water (A1)	Water-Staffied Leaves (B9) (except	Water-Stained Leaves (B9) (MLRA 1, 2,
High water Table (A2)	Solt Crust (P11)	4A, and 4B)
Saturation (A3)	Salt Clust (BTT)	Drainage Patterns (BT0)
Sodimont Donosite (B2)	Hydrogen Sulfide Odor (C1)	Saturation Visible on April Imagon (CO)
Drift Deposite (B3)	Oxidized Rhizospheres along Living Roo	ts (C3) Geomorphic Position (D2)
Dinit Deposits (B3)	Presence of Reduced Iron (C4)	Shallow Aquitard (D2)
Iron Deposite (B5)	Becent Iron Reduction in Tilled Soils (C6	) EAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1) (LRR A)	Baised Ant Mounds (D6) /I BB A)
Inundation Visible on Aerial Imagery (F	Other (Explain in Remarks)	Frost-Heave Hummocks (D7)
Sparsely Vegetated Concave Surface	(B8)	
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Ves	No X Depth (inches):	
Saturation Proceed?	No Depth (inches):	and Hydrology Brosset? Yes
(includes capillary fringe)		
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos, previous inspections),	if available:
Remarks:	N	

WETLAND DETERMINATION DATA FORM – Western M	ountains, Valleys, and Coast Region
Project/Site: U12 St Post Light SP City/County: W2	st Port Sampling Date: 4-14-21
Applicant/Owner: State Panks	State: WA Sampling Point: SP-714-1
Investigator(s): P. Ham Id 1	Range:
Landform (hillslope terrace etc.): IN FURGUNG Local relief (conca	ve, convex, none): Con caur Slope (%):
Subregion (I BB):	Long:Datum:
Soil Man Linit Name: Jal 2xt Pokt	NWI classification: PFOB
Are climatic / bydrologic conditions on the site typical for this time of year? Yes X	lo (If no. explain in Remarks.)
Are Vegetation Soil or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes 📈 No
Are Vegetation Soil or Hydrology paturally problematic? (	If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling poir	it locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes <u>X</u> No	bled Area
Wetland Hydrology Present? Yes K No within a Wet	tland? Yes K No
Remarks: The weat This would be a solution of the second s	- PROIA Da / Wetraul
Oble De sid I 19 - Note to ditter o	N FORNEZ Kard extends to
props 05-91 dith p	notes 03-89 1 Road File
VEGETATION – Use scientific names of plants.	NO March
Tree Stratum (Plot size: 37) Absolute Dominant Indicat	or Dominance Test worksheet:
1 A NUS rubre Go V FA	Number of Dominant Species 5 That Are OBL FACW or FAC: (A)
2. PIDUS CONTOXIA 5 FA	
3	Species Across All Strata: (B)
4	Percent of Dominant Species
Carling (Obach Obachang (Distriction 15) = Total Cover	That Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (Plot size: 1)	Prevalence Index worksheet:
2 Rubus spectrollis 10 J FA	Total % Cover of: Multiply by:
3 Lonicera involuciata 5 FAC	OBL species x 1 =
4. Malus Fusca 10 V FA	FACW species x 2 =
5	FAC species x 3 =
51 <u><math>35</math></u> = Total Cover	$x = \frac{1}{2}$
Herb Stratum (Plot size:)	Column Totals: (A) (B)
1. <u>cury ouropy</u> 1= 1	
2	Prevalence Index = B/A =      Hydrophytic Vogetation Indicators:
4	1 - Rapid Test for Hydrophytic Vegetation
5.	X 2 - Dominance Test is >50%
6	3 - Prevalence Index is ≤3.0 <sup>1</sup>
7	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8	data in Remarks or on a separate sheet)
9	5 - Wetland Non-Vascular Plants'
10	Problematic Hydrophytic Vegetation" (Explain)
	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size:)	
1	Hydrophytic
2	Vegetation
	Present? Yes K No
% Bare Ground in Herb StratumU	

SOIL

Sampling Point: SP-T14-1

Profile Des	cription: (Describe	to the dep	th needed to docum	ent the i	ndicator	or confirm	n the absence	e of indicators.)
Depth	Matrix		Redox	Features	3			
(inches)	<u>Color (moist)</u>	%	Color (moist)	%	Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	Remarks
0-9	2,544/2	97	2,544/4	3	C	M	LPS	
9-18	2,54411	90	love ylu	10	C	M	LFS	1997 (PA 1997)
	4/2	10	- in the	1.		1	1.5.1.04	
			CARL MARTIN	11.54	19.90	1.00		
	1		2. No. 10. 100	24-5	1000		(The second	
				1	-		-	a state of the second s
			Deduced Matrix 00	0			21 c	exation: PI = Pore Lining M=Matrix
'Type: C=C	Indicators: (Application)	able to all	Reduced Matrix, CS	vise not	a or Coate	a Sana Gi	Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Historol			K Sandy Redox (St	5)	,		20	m Muck (A10)
- Histoson	ninedon (A2)		Stripped Matrix ()	56)			Re	d Parent Material (TF2)
Black H	listic (A3)		Loamy Mucky Mi	neral (F1	1) (except	MLRA 1)	Ve	ry Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleved M	atrix (F2	)		Oth	ner (Explain in Remarks)
Deplete	d Below Dark Surface	e (A11)	Depleted Matrix	(F3)				NY AND
Thick D	ark Surface (A12)		Redox Dark Surf	ace (F6)			<sup>3</sup> Indicat	ors of hydrophytic vegetation and
Sandy I	Mucky Mineral (S1)		Depleted Dark S	urface (F	7)		wetla	and hydrology must be present,
Sandy (	Gleyed Matrix (S4)		Redox Depression	ons (F8)	1.10	and the state	unle	ss disturbed or problematic.
Restrictive	Layer (if present):	27496					1428	
Type:			يې د م <u>سيط</u>				ash sa jita	the Carl and Martin and State State State
Depth (ir	nches):	Marine 19	<u>100</u> 00 - 1000 - 1000				Hydric Soi	Present? Yes A No
HYDROLC Wetland Hy	DGY ydrology Indicators:				<u> </u>	<u>.</u>		
Primary Ind	icators (minimum of o	one require	ed; check all that apply	)				ondary Indicators (2 or more required)
Surface	e Water (A1)		Water-Stair	hed Leav	es (B9) (e	xcept	X	Water-Stained Leaves (B9) (MLRA 1, 2,
High W	ater Table (A2)		MLRA 1	, 2, 4A, a	and 4B)			4A, and 4B)
Saturat	tion (A3)		Salt Crust (	B11)	(040)		- L	Drainage Patterns (B10)
Water I	Marks (B1)		Aquatic Inve		S (B13)		1.1	Dry-Season Water Table (C2)
Sedime	ent Deposits (B2)		Hydrogen S		dor (C1)	Living Doc		Saturation visible on Aerial Imagery (C9)
Drift De	eposits (B3)			nzospne f Doduoc	res along		$Dis(C3) \frown C$	Seomorphic Position (D2)
Algal M	lat or Crust (B4)		Presence o	Reduce		t) d Soile (Cf		EAC Noutral Tast (D5)
Iron De	eposits (B5)	e inati	Recent Iron	Stressed	Plante (D		יא_ ייג ג	Paised Ant Mounds (D6) (I PR A)
Surface	tion Visible on Aprial	Imagon//E	Other (Evol	ain in Re	marke)		·	Frost-Heave Hummocks (D7)
inunda	W Venetated Concav	e Surface			manaj			
Field Obec	rvations:	C Guildos (	()		1.66 1.1	-		
Surface M/s	ater Present? Y	res	No X Depth (inc	hes):		in di an		
Water Table	e Present?	/es	No X Depth (inc	hes):	F. S. K.	-		
Soturation I	Present?	/es	No X Depth (inc	hes):		Wet	and Hydrolo	av Present? Yes X. No
(includes ca	apillary fringe)					_ ///	and Hydroid,	gy 110001111 100 <u></u> 110
Describe R	ecorded Data (stream	n gauge, m	onitoring well, aerial p	hotos, pr	evious ins	spections),	if available:	
Domarke					3.11			
Remarks.	Nun	- ch	help. I GI			*		
	and we	121						

roject/Site: WESTFORT	(	City/County:	restport	_ Sampling Date:
applicant/Owner. 4 A State Park	5		State: <u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	_ Sampling Point:
nvestigator(s): B. Fletcher		Section, Township	, Range:	
andform (hillslope, terrace, etc.): At Dune (a	15	Local relief (conca	ive, convex, tone?	Slope (%):
Subregion (LRR):	Lat:		Long:	Datum:
Soil Map Unit Name: WestPort Fine	Sand		NWI classi	fication: <b>YFOP</b>
are climatic / hydrologic conditions on the site typical for	this time of yea	ar? Yes $X$ I	lo (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology	_significantly	disturbed? N	Are "Normal Circumstances"	present? Yes X No
re Vegetation, Soil, or Hydrology	_ naturally pro	blematic? N	If needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing	sampling poi	nt locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes Yes Yes Yes Yes Yes Yes Yes Yes Xemarks:	No No No	Is the Sam within a W	pled Area v etland? Yes _/	K_ No
Photos 9P1-3		A CARA		1997 - 1997 -
/EGETATION – Use scientific names of pl	ants.	Deminant Indian		-kehoot:
Tree Stratum (Plot size: 30)	Absolute % Cover	Species? Statu	S Number of Dominant	Species
1. Alnus rubra	70	X FAC	That Are OBL, FACW	, or FAC: (A)
2	<u></u>			inant
3			Species Across All St	rata: (B)
4	- 70		Percent of Dominant	Species 100 (A/P)
Sapling/Shrub Stratum (Plot size:)	1000		Provalance Index w	, or FAC (A/B)
1. RUJUS Armeniacus	- 2	FAC	Total % Cover of:	Multiply by:
2		ter de la companya d	OBL species	x 1 =
3		<u>2</u>	FACW species	x 2 =
4			FAC species	x 3 =
с		= Total Cover	FACU species	x 4 =
Herb Stratum (Plot size:)		V ob	UPL species	x 5 = (D)
. Carex obucpta	106	<u>~ 10/5L</u>	Column Totals:	(A) (B)
2		722 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Prevalence Inde	ex = B/A =
3	<u>- 200 - 200 - 200 -</u>	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Hydrophytic Vegeta	tion Indicators:
	2	The officer of the los	- 1 - Rapid Test for	r Hydrophytic Vegetation
and the set of the set of a set of the set of	- <b>NA</b> JECTRA	P. P. Star	- 2 - Dominance In 3 - Prevalence In	dev is $<3.0^{1}$
	- 2 <sup>- 1</sup>	الجريدي بريا البعديدات	4 - Morphologica	Adaptations <sup>1</sup> (Provide supporting
3.	1000	1.624 2.13	data in Remai	ks or on a separate sheet)
9			5 - Wetland Non-	Vascular Plants <sup>1</sup>
10		and the second s	Problematic Hydr	rophytic Vegetation' (Explain)
11			be present, unless dis	oil and wetland hydrology must sturbed or problematic.
Woody Vine Stratum (Plot size: 5-	106	= Total Cover		a la construction de la construc
1		1		
NH	-26.00	a kana kana a kana	Vegetation	
$\partial$	a <u>Charles</u>	= Total Cover	Present? Y	'es _/ NO
% Bare Ground in Herb Stratum				
N COLUMN AND A STATE OF A STATE O				

Western Mountains, Valleys, and Coast - Version 2.0

SOIL

Sampling Point: TI4-16

Depth	Matrix	100 C	Redo	x Feature	s			
(inches)	Color (moist)		Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
- 6	IDYR2/1	"P	0.574/4	2	C	~	ALosa	
-70	104R2/1	90 1	OYR3/6	10	(	m	Losa	and the second
	8.019			3.2	<u></u>	and a	14.9. 1.4	white the
	<u></u>	<u>. Anna A</u>			<u>i sing</u>	<u>Constant</u>	· · · · · ·	dan garan
								an a
Type: C=C	oncentration D=Depl	etion RM=F	Reduced Matrix CS				2	ian, Dispasa Lining McMatrix
ydric Soil	Indicators: (Applica	able to all L	RRs, unless othe	wise not	ted.)	a Sand G	Indicators	for Problematic Hydric Soils <sup>3</sup>
Histoso	I (A1)		X Sandy Redox (	S5)			2 cm	Muck (A10)
Histic E	pipedon (A2)	1.1.1.1.1.1	Stripped Matrix	(\$6)		1. 1. 1.	2 cm	arent Material (TF2)
Black H	istic (A3)	1000	Loamy Mucky	Mineral (F		MI PA 1	Keu /	Shallow Dark Surface (TE12)
Hydroge	en Sulfide (A4)	1.1.1.1	Loamy Gleved	Matrix (E	7) (Except		Other	(Explain in Remarks)
Deplete	d Below Dark Surface	e (A11) -	Depleted Matrix	(E3)	-,		Outer	
Thick D	ark Surface (A12)	Service Sugar	Redox Dark Su	inface (E6)	and searcher		<sup>3</sup> Indicators	of bydropbytic vegetation and
_ Sandy I	Mucky Mineral (S1)	24.20	Depleted Dark	Surface (	, F7)		wetland	hvdrology must be present
Sandy	Gleyed Matrix (S4)	71 10 10	Redox Depress	sions (F8)	-		unless	disturbed or problematic
estrictive	Layer (if present):				10 10 10 10 10 10 10 10 10 10 10 10 10 1			distance of problematic.
Type:	COLLEGANCE.							
Denth (in	choc):							
Deptil (iii	cries).			13. P. 1			Hydric Soil P	resent? Yes <u> </u>
Redox	16 increa	ses wi	th depth.				andre in a station of the second s	n ny mahapanén na na manananananana na panahapanén na na manananananan ng mahapanén na na mananananan ng mahapanén ng mananananananananananananananananananan
Redox (DROLC /etland Hy	VGY drology Indicators:	ses wi	th depth.					
Redox IDROLC Vetland Hy rimary Indi	GY drology Indicators: cators (minimum of o	ne required;	th depth.				Second	ary Indicators (2 or more required)
Redox YDROLO Vetland Hy Primary Indi Surface	GY drology Indicators: cators (minimum of o	رور بر ا	th depth.	ly) ined Leav	ves (B9) (e	except	<u>Second</u>	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2
Redox /DROLO /etland Hy /rimary Indi Surface High W	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2)	روز بر ا	th depth. <u>check all that app</u> <u>Water-Sta</u> MLRA	ly) ined Leav 1, 2, 4A,	ves (B9) (e and 4B)	except	<u>Second</u>	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
Redox (DROLC) Vetland Hy Vrimary Indi Surface High Wa Saturati	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3)	ናና ውስ ne required;	th depth. <u>check all that app</u> <u>Water-Sta</u> <u>MLRA</u> <u>Salt Crust</u>	ly) ined Leav 1, 2, 4A, (B11)	ves (B9) (e and 4B)	except	<u>Second</u> Wa Dra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10)
Redox (DROLC) Vetland Hy rimary Indi Surface High W Saturati Water N	GY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1)	۲۰۶ س ne required;	th depth. <u>check all that app</u> <u>Water-Sta</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic In</u>	ly) ined Leav 1, 2, 4A, (B11) wertebrate	ves (B9) (e and 4B) es (B13)	except	<u>Second</u> Wa Dra Dra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10)
Redox (DROLO Vetland Hy rimary Indi Surface High W Saturati Water M Sedime	GGY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2)	fef wi	th depth. <u>check all that app</u> <u>Water-Sta</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic In</u> <u>Hvdrogen</u>	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C	ves (B9) (e and 4B) es (B13) 2dor (C1)	except	<u>Second</u> Wa Wa Dra Dry Sat	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2)
Redox /DROLC Vetland Hy rimary Indi Surface High W: Saturati Water M Sedime Drift De	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3)	fef wi	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe	ves (B9) (e and 4B) es (B13) Ddor (C1) eres along	except	<u>Second</u> Wa Dra Dra Dry Sat	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (Co omorphic Position (D2)
Redox /DROLC Vetland Hy rimary Indi Surface High Wa Saturati Water M Sedime Drift De Drift De	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Cnet (B4)	fef wi	th depth.	ly) ined Leav 1, 2, 4A, (B11) vertebrate Sulfide C Rhizosphe of Reduc	ves (B9) (e and 4B) es (B13) Ddor (C1) eres along ed Iron (C	except	<u>Second</u> Wa Dra Dra Sa ots (C3)Ge	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) V-Season Water Table (C2) turation Visible on Aerial Imagery (C3 omorphic Position (D2)
Redox (DROLC) Vetland Hy Crimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal M	Groups Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) pacific (BE)	fef wi	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reduc	ves (B9) (e and 4B) es (B13) Ddor (C1) eres along ed Iron (C4)	except Living Ro 4) d Soile (C	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sh	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) t-Season Water Table (C2) turation Visible on Aerial Imagery (C3 omorphic Position (D2) allow Aquitard (D3)
Redox (DROLC) Vetland Hy Crimary Indi Surface High Wa Saturati Water M Sedime Drift De Algal M Iron De	GGY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	fef wi	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reduct	ves (B9) (e and 4B) es (B13) Odor (C1) eres along red Iron (C- tion in Tille	except Living Ro 4) ed Soils (C	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sh 6) FA	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
Kedox (DROLC) Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal M Iron De Surface	GGY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soli Cracks (B6)	fef wi	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reduct on Reduct r Stressed	ves (B9) (e and 4B) es (B13) Ddor (C1) eres along ed Iron (C- tion in Tille d Plants (D	Except Living Ro 4) d Soils (C D1) (LRR 4	Second Wa Dra Dry Sat ots (C3) Ge Sh 6) FA W Ra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C3 omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Redox (DROLC) Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedime Drift De Algal M Iron De Surface Inundat	GGY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) soil Cracks (B6) ion Visible on Aerial I	feγ wi	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reduct on Reduct r Stressec plain in R	ves (B9) (e and 4B) es (B13) Odor (C1) eres along red Iron (C- tion in Tille d Plants (C emarks)	Except Living Ro 4) d Soils (C 01) (LRR 4	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sh 6) FA N) Ra Frc	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C3 omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Kedox YDROLC Vetland Hy Primary Indi Surface High W Saturati Vater M Sedime Drift De Algal M Iron De Surface Inundat Sparsel	GGY drology Indicators: <u>cators (minimum of o</u> Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave	fef بر i ne required; magery (B7) Surface (B	th depth.	ly) tined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reduct on Reduct r Stressec plain in Re	ves (B9) (e and 4B) es (B13) Odor (C1) eres along red Iron (C- tion in Tille d Plants (D emarks)	except Living Ro 4) d Soils (C 01) (LRR 4	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sh 6) FA N) Ra Frc	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C3 omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Kedox (DROLO) Vetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Algal M Iron De Surface Inundat Sparsel ield Obser	Grand Conception of the second	fef بر i ne required; magery (B7) e Surface (B	th depth.	ly) tined Leav 1, 2, 4A, (B11) wertebrate Sulfide O Rhizosphe of Reduct on Reduct r Stressec plain in Re	ves (B9) (e and 4B) es (B13) odor (C1) eres along red Iron (C- tion in Tille d Plants (D emarks)	Except Living Ro 4) ed Soils (C 01) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sh 6) FA A) Ra Frc	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C4 omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
Kedox (DROLO) Vetland Hy Primary Indi Surface High W Saturati Water M Sedime Drift De Algal M Iron De Surface Surface Surface Wa	Gr Gr Gr Gr Gr Gr Gr Gr Gr Gr	۲۲۲ (B7) magery (B7) e Surface (B	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reduct or Reduct r Stressec plain in Re-	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C- tion in Tille d Plants (D emarks)	except Living Ro 4) ed Soils (C 2)1) (LRR 4	<u>Second</u> Wa Dra Dry Sal ots (C3) Ge Sh 6) FA N) Ra Frc	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
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Primary Indi YDROLC Vetland Hy Primary Indi Surface High W. Saturati Water N Sedime Drift De Algal M Iron De Surface Inundat Sparsel Surface Wa Nater Table Saturation F Includes ca Describe Re Remarks:	GGY drology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) s Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Y Present? Y pillary fringe) scorded Data (stream	magery (B7) s Surface (B es N es N gauge, mor	th depth.	ly) ined Leav 1, 2, 4A, (B11) wertebrate Sulfide C Rhizosphe of Reductor r Stressed plain in Re- uches): hches): photos, p	ves (B9) (e and 4B) es (B13) Odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	Except Living Ro 4) d Soils (C b1) (LRR A 	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sh 6) FA () Ra Frc land Hydrology , if available:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) P-Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes <u>V</u> No
Kedox Vetland Hy Vetland Hy Vetland Hy Vimary Indi Surface High Wi Saturati Water M Sedime Drift De Drift De Inundat Surface Inundat Sparsel ield Obser Autor Table Saturation F includes ca Vater Table Cater Cate Vater Cate Vater Cate Vater Cate Cater C	Gr Gr Grology Indicators: cators (minimum of o Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Present? Present? Y Present? Y Present? Y Present? Y Present? Y	magery (B7) es N es N gauge, mor	th depth. check all that appl Water-Sta MLRA Salt Crust Aquatic In Aquatic In Oxidized I Presence Recent Inc Stunted on YOther (Exp b) o Depth (in o Depth (in o Depth (in o Depth (in o Depth (in )	ly) ined Leav 1, 2, 4A, (B11) wertebrate of Reductor on Reductor r Stressed plain in Re- aches): aches): photos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C- tion in Tille d Plants (C emarks)	Except Living Ro 4) ad Soils (C bil) (LRR A spections)	$\frac{Second}{$	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) image Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes X No
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Redox YDROLC Vetland Hy Yrimary Indi Surface High W. Saturati Vater M Sedime Natron Sedime Note Surface Inundat Sparsel ield Obser Surface Wa Vater Table Saturation F includes ca Describe Re Remarks: NA+CS	Greater and the second	magery (B7) magery (B7) Surface (B) Surface (B) Surface (B) N surface (B) Surface	th depth. check all that appl Water-Sta MLRA Salt Crust Aquatic In Aquatic In Oxidized I Presence Recent Inc Stunted on YOther (Exp b) o Cher (Exp b) o Depth (in o Depth	ly) ined Leav 1, 2, 4A, (B11) wertebrate of Reductor on Reductor r Stressed plain in Re- aches): aches): photos, p	ves (B9) (e and 4B) es (B13) Odor (C1) eres along ed Iron (C- tion in Tille d Plants (C emarks)	Except Living Ro 4) ad Soils (C 2)1) (LRR A spections)	$\frac{Second}{$	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes X No

	and the	~	10001	4/14/2
Project/Site: West Port	C	ity/County: wes	tport .	_ Sampling Date:
Applicant/Owner. WA State Park	,	-	State: WA	Sampling Point: 1/3 - 1
Investigator(s): B. Fletcher	S	Section, Township, R	ange:	his and the second s
Landform (hillslope, terrace, etc.): <u>Interdun</u>	<u>t)</u> [	ocal relief (concave	convex, none):	Slope (%):
Subregion (LRR):	Lat:		Long:	Datum:
Soil Map Unit Name: DUNE Land	- Andrews	and and and and	NWI classif	ication: PFOA
Are climatic / hydrologic conditions on the site typical fo	r this time of year	r? Yes Y No	(If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology	significantly d	isturbed? V Are	"Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? $\sim$ (If r	needed, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site m	ap showing s	sampling point	locations, transect	s, important features, etc
Hydrophytic Vegetation Present? Yes	No	Is the Sample	d Area	
Wetland Hydrology Present? Yes	No	within a Wetla	and? Yes <u>×</u>	No
Remarks: DL + i action (1)	dentact's	Bensalan	Talive of ma	ny others.
Flot in nation swaller	a ep. es. o.	Keptesen	1 4717 0 / 11	and the second second
Photo 973	State 1	<u></u>		
/EGETATION – Use scientific names of p	lants.			and the second of
Trace Stration (Plateine: 30 7	Absolute	Dominant Indicator	Dominance Test wor	ksheet:
1 Alous 1401a	30	X PAC	Number of Dominant	Species 7 (A)
2 Pinus Contorta	30	X FAC		·····
3.	and an and a second	and Alexand	Species Across All St	rata: (B)
4	Sale of The	and the second	Borcont of Dominant	Spacias For
15	60	= Total Cover	That Are OBL, FACW	, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size:)	25	X EAG	Prevalence Index wo	orksheet:
2 Marella califarnica	15	X FACW	Total % Cover of:	Multiply by:
3	- Contractor		OBL species	x 1 =
4.			FACW species	x 2 =
5.		<u>a la la d</u>	FAC species	X 3 =
ς	40	= Total Cover	UPI species	x 5 =
Herb Stratum (Plot size:)	75	X ORI	Column Totals:	(A) (B)
1. Carex BOACPTA		<u> </u>		(*)
3	Sec. 2 Car	h Salahari Milan	Hydrophytic Vegetat	tion Indicators:
۵	A States of	and start in	1 - Ranid Test for	Hydronhytic Vegetation
5.	14 30 10	and the state of the second	2 - Dominance Te	est is >50%
6	1 N 1 2 1 1	All and the set	. 7 3 - Prevalence In	dex is ≤3.0 <sup>1</sup>
7	<u></u>	1211-2011月1日	4 - Morphological	Adaptations <sup>1</sup> (Provide supporting
8	بيبينية لل	and the second second	data in Remai	ks or on a separate sheet)
9	<u></u>		5 - Wetland Non-	Vascular Plants'
10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Problematic Hydi	opnytic vegetation (Explain)
11	-75-		be present, unless dis	sturbed or problematic.
Woody Vine Stratum (Plot size: 5)	<u> </u>	I otal Cover	the second of the	
1. N/A		S. S. A. Providence	Hydrophytic	
2	1. Same and	and the second	Vegetation	. X
		Total Cover	Present? Y	'es _/ No
% Bare Ground in Herb Stratum	10 m	- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19		and the second

Western Mountains, Valleys, and Coast - Version 2.0

SOIL

Sampling Point: T15-1

Profile Description: (Describe to		Dedau	E hora	_			
(inches) Color (moist)	% Color (r	noist)	Feature %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
D-2 Juff	100		n. Si	1.1.1			
7-6 7544/1	100 -	120.50	100	100		Losa	
K-1P 2 544/1	97 2 54	4/4	1		M	1050	
	11 0.31	4/11 -				1017	
<u> </u>	10 910		<u> </u>	<u> </u>	1	801	·
	بالمجمعين فتتلبط			Section 2	Sec. 12	and the second	en an
and the second	Sugar Sec. Sec.	and and the	Sec. 1	man	N. K.S.	Sec. Sec.	A Strategie and the second state
		4.20		Service in	Sec. 1		
				AND L		Q	
<sup>1</sup> Type: C=Concentration, D=Depleti	on, RM=Reduced M	Matrix, CS=	Covered	d or Coate	d Sand G	rains. <sup>2</sup> Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicabl	le to all LRRs, unle	ess otherw	ise not	ed.)	1.1.1	Indicat	ors for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	🖌 Sandy	Redox (S5	5)			_ 20	m Muck (A10)
Histic Epipedon (A2)	Strippe	ed Matrix (S	66)			Re	d Parent Material (TF2)
Black Histic (A3)	Loamy	Mucky Mir	neral (F	1) (except	MLRA 1)	Ve	ry Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy	Gleyed Ma	atrix (F2	?)		Oth	ner (Explain in Remarks)
Depleted Below Dark Surface (/	A11) Deplet	ed Matrix (I	F3)			3	
Thick Dark Surface (A12)	Redox	Dark Surfa	ace (F6)			Indicat	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depier	Depression	Inace (F	•••)		wetta	es disturbed or problematic
Bestrictive Laver (if present):	Redox	Depression	IIS (FO)	* 24 - 14 - 14 - 14 - 14 - 14 - 14 - 14 -		unie 1	ss distance of problematic.
Type:						1.1.1.1.1.1.1.1	영양 방송 이 이 영양에서
Denth (inches):	100 100 100 100 100 100 100 100 100 100					Undria Cal	
Remarks:			1747				
Remarks:	an a						
Remarks:							
Remarks:							
Remarks: YDROLOGY							
Remarks: YDROLOGY Wetland Hydrology Indicators:							
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one	required; check all	that apply)				<u>Seco</u>	ndary Indicators (2 or more required)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1)	required; check all	that apply) Vater-Staine	ed Leave	es (B9) (e	xcept	<u>Seco</u>	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2,
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2)	required; check all	that apply) Vater-Staine MLRA 1,	ed Leave 2, 4A, a	es (B9) (e. and 4B)	xcept	<u>Seco</u>	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3)	required; check all X v S	that apply) Vater-Staine MLRA 1, alt Crust (B	ed Leave 2, 4A, a 311)	es (B9) (e: and 4B)	xcept	<u>Seco</u> V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	required; check all X v S A	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inves	ed Leave 2, 4A, a 111) rtebrate	es (B9) (e. and 4B) s (B13)	xcept	<u>Seco</u> V [	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	<u>required; check all</u> <u>X</u> v S A H	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su	ed Leave 2, 4A, a 311) rtebrate	es (B9) (e. and 4B) s (B13) dor (C1)	xcept	<u>Seco</u> V V [ 5	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9
Permarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one	required; check all X v S A H C	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su xxidized Rhi	ed Leave 2, 4A, a 311) rtebrate ulfide Oc izospher	es (B9) (e. and 4B) s (B13) dor (C1) res along	xcept Living Roo	<u>Seco</u> V V I S ts (C3)0	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one 	<u>required; check all</u> X v S A H P	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of	ed Leave 2, 4A, a 311) rtebrate ulfide Oc izospher Reduce	es (B9) (e. and 4B) s (B13) dor (C1) res along d Iron (C4	xcept Living Roo	<u>Seco</u> V [ S ts (C3)S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one 	required; check all X v S A H C P R	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron I	ed Leave 2, 4A, a 11) rtebrate ulfide Oc izospher Reduce Reduce	es (B9) (e. and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo	xcept Living Roo ) d Soils (C6	<u>Seco</u>    ts (C3)       	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one 	<u>required; check all</u> X v S A H C P R R R	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron I tunted or Si	ed Leave 2, 4A, a 311) rtebrate ulfide Oc izospher Reduce Reduce tressed in in Po	es (B9) (e. and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D	Living Roo ) J Soils (C6 1) (LRR A)	<u>Seco</u> V L ts (C3)S )F	ndary 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) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Remarks: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one 	<u>required; check all</u> <u>X</u> v S A H C P R gery (B7) X o urface (B8)	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron I tunted or Si ther (Expla	ed Leave 2, 4A, a 311) rtebrate: ulfide Oc izosphei Reduce Reduce tressed in in Re	es (B9) (e. and 4B) s (B13) dor (C1) res along b d Iron (C4 on in Tilleo Plants (D marks)	xcept Living Roo ) I Soils (C6 1) (LRR A)	<u>Seco</u> V [ ts (C3) C S S S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one 	<u>required; check all</u> X v S A H P R gery (B7) X o urface (B8) NoX t	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen Su xidized Rhi resence of ecent Iron I tunted or Si ther (Expla	ed Leave 2, 4A, a 311) rtebrate ulfide Oc izospher Reduce Reduction tressed in in Re es):	es (B9) (e. and 4B) s (B13) dor (C1) res along d Iron (C4 on in Tilleo Plants (D marks)	xcept Living Rood ) d Soils (C6 1) (LRR A)		ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one	required; check all  X V S A A B B B B C C C C C C C C C C C C C	that apply) Vater-Staine MLRA 1, alt Crust (B quatic Inver ydrogen SL xidized Rhi resence of ecent Iron I tunted or Si ther (Expla Depth (inche Depth (inche Depth (inche Depth (inche	ed Leave 2, 4A, a 311) rtebrate: ulfide Oc izospher Reduction tressed in in Re es): es): es): otos, pro	es (B9) (e. and 4B) s (B13) dor (C1) res along t d Iron (C4 on in Tilled Plants (D marks) $\frac{1}{2}$ evious inst t l e a	Living Roor J Soils (C6 1) (LRR A) Wetla pections), i S 7	and Hydrolog	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) py Present? Yes X No her earlier in the

Dject/Site: West fort	(	City/County:e	st port	_ Sampling Date:
plicant/Owner: WA State Parks			State: WA	Sampling Point: $T15-3$
vestigator(s): B. Fletcher		Section, Township, Ra	inge:	
ndform (hillslope, terrace, etc.): Dune land	1	Local relief (concave,	convey, none):	Slope (%):
bregion (LRR):	Lat:	Sec. Sec. Sec.	_ Long:	Datum:
I Map Unit Name: Dure Land			NWI classif	ication: Uplaced
e climatic / hydrologic conditions on the site typical for	this time of yea	ar? Yes <u>X</u> No	(If no, explain in	Remarks.)
Vegetation, Soil, or Hydrology		disturbed? N Are	"Normal Circumstances"	present? Yes $\underline{\times}$ No
Vegetation, Soil, or Hydrology		blematic? N (If no	eeded, explain any answ	ers in Remarks.)
JMMARY OF FINDINGS – Attach site ma	ap showing	sampling point	ocations, transect	s, important features, etc
vdrophytic Vegetation Present? Yes	No X	A CARE AND		
ydric Soil Present? Yes	No X	Is the Sampleo	i Area	No X
/etland Hydrology Present? Yes	No <u>×</u>	within a Wetla	nd? tes	
emarks: Plot on upland m	ound		化现金 开门	
1 97)				
hotos / // / L	landa	No. Contraction	and the second second	1 1987 128 44
GETATION – Use scientific names of p	Abashita	Deminent Indicator	Dominance Test wor	kshoot.
ee Stratum (Plot size: <u>30</u> )	<u>% Cover</u>	Species? Status	Number of Dominant	Species
Pinus contorta	40	X FAC	That Are OBL, FACW	or FAC: (A)
		<u> 1. 180 y. 185</u>	Total Number of Domi	inant 4
			Species Across All Str	rata: / (B)
	-40		Percent of Dominant	Species
apling/Shrub Stratum (Plot size: 15)	_10	= I otal Cover	That Are OBL, FACW	, or FAC: (A/B
Vaccinium oratum	30	X FAcy	Prevalence Index wo	orksheet:
Cytisus Sloparius	10	X FACU	OBL species	
Morella calitornica		FACh	FACW species	x2=
1996 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -		<u> </u>	FAC species	x 3=
	- 40		FACU species	x 4 =
erb Stratum (Plot size: 5)		= Total Cover	UPL species	x 5 =
Carex ounupta	10	X OBL	Column Totals:	(A) (B)
has the there and the stand on the stand		and the second second	Prevalence Inde	x = B/A =
a start and the Color and a start of	and the	Satisfield and	Hydrophytic Vegetat	ion Indicators:
		1914 9 21	1 - Rapid Test for	Hydrophytic Vegetation
A Photo and a photo an	Ray and a line Ray and a state		2 - Dominance Te	est is >50%
			3 - Prevalence In	dex is ≤3.0 <sup>1</sup>
	the state of the second		4 - Morphological	Adaptations' (Provide supporting
	100 000 000 000 100		5 - Wetland Non-	Vascular Plants <sup>1</sup>
	الليسية <u>المحمد المحمد الم</u>		Problematic Hydr	ophytic Vegetation <sup>1</sup> (Explain)
	1 Jack	alar ya tari si s	<sup>1</sup> Indicators of hydric s	oil and wetland hydrology must
	10	= Total Cover	be present, unless dis	sturbed or problematic.
oody Vine Stratum (Plot size:)	1000	No. Salar	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
_~/A	<u> </u>		Hydrophytic	$\sim$
	and the second s		Present? Y	es No <u>×</u>
Bare Ground in Herb Stratum		= Iotal Cover		
			-	

Western Mountains, Valleys, and Coast - Version 2.0

Sampling Point: TIS-2

Depth (inches)							and appender	or interoutorony
(inches)	Matrix		Redox	Features	3		Sec. and	and the second second second
0-1	Color (moist)		Color (moist)		Type'	Loc	Texture	Remarks
	Duff	100		and a				
1 - 10	2.544/2	100		100	-		Losa	an she barn a national and a state
10-18	2.54 4/2	99	2.574/4	1	C	m	Losa	and the second se
in the second		1.		1.50		1111	T.	
		·		35.853	-	1000		and the second sec
			a state of the sta	And the second second			a the second	and the second
	And the Association	<u>2016-10</u>	And the second second		-			and the second s
	1	Sec. A. S.	Collected and	1.10	-		فكيت الترتيب	
			State State	1		1		
<sup>1</sup> Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, CS	=Covered	d or Coate	ed Sand Gr	rains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all	I LRRs, unless other	wise not	ed.)		Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Redox (S	35)			2 cm	n Muck (A10)
Histic E	pipedon (A2)		Stripped Matrix	(S6)			Red	Parent Material (TF2)
Black H	istic (A3)		Loamy Mucky M	Aineral (F	1) (excep	t MLRA 1)	Very	Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)	- (844)	Loamy Gleyed	Matrix (F2	2)		Othe	er (Explain in Remarks)
Deplete	a Below Dark Surfac	æ (A11)	Depleted Matrix	(F3)			<sup>3</sup> Indicato	rs of hydrophytic vegetation and
Thick Di	Mucky Mineral (S1)		Redux Dark Su	Surface (I	, F7)		wetla	nd hydrology must be present,
Sandy Gandy I	Gleved Matrix (S4)	and and	Redox Depress	sions (F8)			unles	s disturbed or problematic.
Restrictive	Layer (if present):	S. Sun here	attended and the set	12. 3	20.511	Sec. S.	1. 1. 27-5	
Type:		1. 24	<u>1968</u> - Augusta				Sec. Sugar	X
Depth (in	nches):		and the second				Hydric Soil	Present? Yes No
Remarks:	and the second	1. 1. 1. 1.		1.000	A. S. S.		and the second of	and she wante allow with
Wetland Hy	)GY							
	ydrology indicators		<u>na kana da nu nu</u> Mangahari taji mini	<u>141)</u> 1101		an a	<u>den den de</u> Seneral de la se	
Primary Ind	icators (minimum of	s: one requir	red; check all that app	do document the indicator or confirm the absence of indicators.)         Redox Features         (moist)       %         1       Lo S 4         1       Lo S 4         1       Lo S 4         1       Lo S 4         1       C         1       Lo S 4         1       Indicators for Pholematic Hydric Soils <sup>1</sup> :         1       Q ren Muck (A10)         1       Red Parent Material (TF2)         1       Other (Explain in Remarks)         lotatrace (F6)       Parent Material				
Primary Ind	icators (minimum of Water (A1)	s: one requir	red; check all that app Water-Sta	ly) ained Lea	ves (B9) (	except	<u>Seco</u> V	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1,
Primary Ind Surface High W	icators (minimum of Water (A1) Vater Table (A2)	s: one requir	red; check all that app Water-Sta MLRA	ly) ained Lea 1, 2, 4A,	ves (B9) and 4B)	except	<u>Seco</u> V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 4A, and 4B)
Primary Ind Surface High W Saturat	icators (minimum of Water (A1) /ater Table (A2) tion (A3)	s: one requir	red; check all that app Water-Sta MLRA Salt Crus	ly) ained Lea 1, 2, 4 <b>A</b> , t (B11)	ves (B9) ( and 4B)	except	<u>Seco</u> V V	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
Primary Ind Surface High W Saturat Water	icators (minimum of e Water (A1) /ater Table (A2) tion (A3) Marks (B1)	s: one requir	red; check all that app Water-Sta MLRA Salt Crus Aquatic In	ly) ained Lea 1, 2, 4A, t (B11) nvertebrat	ves (B9) ( and 4B) tes (B13)	except	<u>Seco</u> V [	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Primary Ind Surface High W Saturat Water I Sedime	icators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2)	:: one requir	red; check all that app Water-Sta MLRA Salt Crus Aquatic In Hydroger Cuidinad	ly) ained Lea 1, 2, 4A, t (B11) nvertebrat n Sulfide ( Bbizeenb	ves (B9) ( and 4B) tes (B13) Odor (C1)	(except	<u>Seco</u> V [ ]	ndary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Geomorphic Position (D2))
Primary Ind Surface High W Saturat Vater I Sedime Drift De	icators (minimum of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3)	s: one requir	red; check all that app Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence	ily) ained Lea 1, 2, 4A, t (B11) nvertebrat n Sulfide ( Rhizosph	ves (B9) ( and 4B) tes (B13) Odor (C1) heres alon	(except g Living Ro	<u>Seco</u> V [ ] pots (C3) 0	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aguitard (D3)
Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M	icators (minimum of e Water (A1) /ater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4)	s: one requir	red; check all that app Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence Recent In	ly) ained Lea 1, 2, 4 <b>A</b> , t (B11) nvertebrat n Sulfide ( Rhizosph e of Reduc	ves (B9) ( and 4B) tes (B13) Odor (C1) neres alon ced Iron ( ction in Til	(except g Living Ro C4) led Soils (C	Seco V 1 1 1 2 pots (C3) 0 2 2 50	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Primary Ind Surface High W Saturat Water I Sedime Drift De Algal M Iron De	icators (minimum of e Water (A1) Jater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) o Soil Cracks (B5)	:: one requir	red; check all that app Water-Sta MLRA Salt Crus Aquatic In Hydroger Oxidized Presence Recent In Stunted of	ly) ained Lea 1, 2, 4A, t (B11) n Sulfide ( Rhizosph e of Reduc on Reduc on Reduc	ves (B9) ( and 4B) tes (B13) Odor (C1) heres alon ced Iron ( ction in Til ed Plants	(except g Living Ro C4) led Soils (0 (D1) (LRR	<u>Seco</u> V [ ] pots (C3)1 2 (C6)1	ndary Indicators (2 or more required) Nater-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
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Primary Ind Surface High W Satural Vater Sedime Drift De Algal M Iron De Surface Surface Surface Wa Vater Tabl Saturation (includes c Describe R Remarks:	icators (minimum of e Water (A1) Vater Table (A2) tion (A3) Marks (B1) ent Deposits (B2) eposits (B3) Mat or Crust (B4) eposits (B5) e Soil Cracks (B6) tion Visible on Aeria ely Vegetated Conca ervations: ater Present? Present? apillary fringe) Recorded Data (strea	I Imagery ve Surface Yes Yes Yes m gauge,	red; check all that app Water-Sta MLRA 	ly) ained Lea 1, 2, 4A, t (B11) nvertebrai n Sulfide ( Rhizosph e of Reduc on Reduc or Stresse kplain in F nches): nches): l photos,	ves (B9) ( and 4B) tes (B13) Odor (C1) heres alon ced Iron ( ction in Til ed Plants Remarks) previous	(except g Living Ro C4) led Soils (C (D1) (LRR	Seco V ( ( ( ) ( ) ( )  (C3) (  (C3) ( _) (	ndary Indicators (2 or more rev Nater-Stained Leaves (B9) (MI 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Ima Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR Frost-Heave Hummocks (D7)
plicant/Owner: 11 A Store Par	ks	State: WA Sampling Point: T156-1						
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restigator(s): B FIRtcher	Section Tow	nship Bange:						
ndform (billslope terrace etc.): In ter dun		Concave convex none): Slope (%): 1 4						
ibregion (I BB).	Lat:	Long: Datum:						
il Man Unit Name: DUN N2 Land	Lai	NIM classification: PSS/EM						
Climatic / budrologic conditions on the site trained	for this time of user? Yes	No X (If no explain in Remarks )						
	for this time of year? res							
Vegetation, Soll, or Hydrology	significantly disturbed / A	Ale Normal Circumstances presenter res no						
e vegetation, Soli, or Hydrology	naturally problematic? 70	(If needed, explain any answers in Remarks.)						
JMMARY OF FINDINGS – Attach site r	nap showing sampling	point locations, transects, important features, etc						
Hydrophytic Vegetation Present?     Yes       Hydric Soil Present?     Yes       Vetland Hydrology Present?     Yes	No Is the within	Sampled Area n a Wetland? Yes K No						
emarks: slightly delow mar	A. preciA							
J. , Geor de.	and receipt							
lot very near wetla.	nd boundary.	Photos 16-17						
EGETATION - Use scientific names of	plants.							
rea Stratum (Plateiza: 30 )	Absolute Dominant	Indicator Dominance Test worksheet:						
N/A	78 Cover Species?	Number of Dominant Species						
		Species Across All Strata:						
		Percent of Dominant Species						
15-	= Total Cov	er That Are OBL, FACW, or FAC: (DO (A/B)						
Aling/Shrub Stratum (Plot size:	50 X	FAC Prevalence Index worksheet:						
Sairaea davrala sii		HCh Total % Cover of: Multiply by:						
		OBL species x 1 =						
		FACW species x 2 =						
c	51 = Total Cov	er UPI species X4 =						
erb Stratum (Plot size:)	08 X	ORI Column Totals: (A) (B)						
Carex outopt 4								
		Prevalence Index = B/A =						
· · · · · · · · · · · · · · · · · · ·		Hydrophytic Vegetation Indicators:						
		$\overline{X}_{2}$ - Dominance Test is >50%						
		3 - Prevalence Index is < 3.01						
		4 - Morphological Adaptations <sup>1</sup> (Provide supportin						
		data in Remarks or on a separate sheet)						
		5 - Wetland Non-Vascular Plants						
0		Problematic Hydrophytic Vegetation' (Explain)						
1		be present, unless disturbed or problematic.						
Voody Vine Stratum (Plot size: 5 )	<u>70</u> = Total Cov	er						
		Hydrophytic						
		Vegetation						
<u> </u>	= Total Cov	er Present? Yes <u>/ No</u>						

Sampling Point: T156-/

	lepth needed to documen	it the indicator	or confirm	n the absence	or indicators.)
Depth Matrix	Redox Fe	eatures	12	Touturo	Bemarks
Color (moist) %		% Type	LOC	1 C	Remarks
0-3 2.5/1/ 100				600	
5-18 2.57 4/1 92	5 2.57 9/4	<u>3</u> C	M	1029	
	10YA 4/6	2 C	M		
				-	
			_		
and the second s					
				-	
				. 2.	tion Di Barri Lining MaMatriu
Hydric Soil Indicators: (Applicable to	M=Reduced Matrix, CS=C	overed or Coate	ed Sand Gr	rains. Loc	ation: PL=Pore Lining, M=Matrix.
Historal (A1)	an Livis, unless otherwis	se noted.)		Indicato	Much (A40)
Histic Eninedon (A2)	Stringed Matrix (S5)	-		2 cm	Baront Material (TE2)
Black Histic (A3)	Supped Matrix (So	o) oral (E1) (aveau	MI DA 4	Red	Shallow Dark Surface (TE12)
Hydrogen Sulfide (A4)	Loamy Gleved Mat	tria (F1) (except	WILKA I)	Very	(Evolain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (E)	3)			
Thick Dark Surface (A12)	Redox Dark Surfac	ce (F6)		<sup>3</sup> Indicato	s of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Sur	face (F7)		wetlar	nd hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depression	s (F8)		unless	disturbed or problematic.
Restrictive Layer (if present):	1				
Туре:				1	14
Depth (inches):				Hydric Soil	Present? Yes X No
Remarks:					
trom down has	Υ.				1
HYDROLOGY					
HYDROLOGY Wetland Hydrology Indicators:					
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ	ired; check all that apply)			Secon	dary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1)	ired; check all that apply) Water-Stained	d Leaves (B9) (e	xcept	<u>Secon</u> W	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2)	ired; check all that apply) Water-Stained MLRA 1, 2	d Leaves (B9) (e 2, 4A, and 4B)	xcept	<u>Secon</u> W	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1	d Leaves (B9) (e 2, 4A, and 4B) 11)	xcept	<u>Secon</u> W D	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13)	xcept	<u>Secon</u> W Di Di	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ired: check all that apply) — Water-Stained MLRA 1, 2 — Salt Crust (B1 — Aquatic Invert — Hydrogen Sul	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1)	xcept	<u>Secon</u> W Di Di Di	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ired; check all that apply) — Water-Stained MLRA 1, 2 — Salt Crust (B1 — Aquatic Invert — Hydrogen Sul — Oxidized Rhiz	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along	xcept Living Roc	<u>Secon</u> W Di Di sits (C3) Z G	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along Reduced Iron (C4	xcept Living Roc 4)	<u>Secon</u> W D D D Sts (C3) X G S	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 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)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille	xcept Living Roc 4) d Soils (C6	$ \underline{\qquad} \underbrace{Secon}_{-} W \\ \underline{\qquad} Di \\ Di \\ Di \\ Si \\ C3) \underbrace{X}_{F} G \\ G $	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D	Living Roc 4) d Soils (C6 1) (LRR A	$ \underbrace{Secon}_{-} W \\ - Di \\ Dis (C3) \underbrace{X}_{G} G \\ Si \\ Si \\ Si \\ - R \\ Si \\ R \\ Si \\ R \\ $	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 	ired; check all that apply) — Water-Stained MLRA 1, 2 — Salt Crust (B1 — Aquatic Invert — Hydrogen Sul — Oxidized Rhiz — Presence of F — Recent Iron R — Stunted or Str (B7) X Other (Explain	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks)	Living Roc 4) d Soils (C6 1) (LRR A	$ \underbrace{ Secon}_{} W \\ Di \\ Dis (C3) \underbrace{ X }_{G} G \\ Si \\ G \\ Si \\ G \\ Si \\ Fi \\ $	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) nallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ 	ired; check all that apply) — Water-Stained MLRA 1, 2 — Salt Crust (B1 — Aquatic Invert — Hydrogen Sul — Oxidized Rhiz — Presence of F — Recent Iron R — Stunted or Str (B7)	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lifide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks)	xcept Living Roc 4) d Soils (C6 1) (LRR A	$ \underbrace{ \begin{array}{c} \underline{Secon} \\ \underline{W} \\ \underline$	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7) X Other (Explain e (B8)	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lfide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks)	xcept Living Roc 4) d Soils (C6 1) (LRR A	$\frac{\text{Secon}}{} W$ $\frac{-}{-} Di$ $\frac{-}{-} Di$ $\frac{-}{-} Di$ $Si$ $\frac{-}{-} Si$ $Gi$ $\frac{-}{-} Si$ $\frac{-}{-} $	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) 	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks)	Living Roc 4) d Soils (C6 1) (LRR A	$ \underbrace{ \begin{array}{c} \underline{Secon} \\ \underline{-} \\ \underline{W} \\ \underline{-} \\ \underline{Di} \\ \underline{-} \\ \underline{Di} \\ \underline{Si} \\ \underline{Fi} \\ \underline{-} \\ \underline{Fi} \\ \underline{Fi} \\ \underline{Fi} \\ \underline{Si} \\ \underline{Si}$	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requ	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7)	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es):	xcept Living Roc 4) d Soils (C6 1) (LRR A	$ \underbrace{ \begin{array}{c} & \underline{Secon} \\ & - & W \\ & - & Di \\ & Di \\ \\ Dits (C3) & \overbrace{K}^{Si} \\ G \\ $	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7) X Other (Explain e (B8) No Depth (inche No Depth (inche	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es): es):	xcept Living Roc 4) d Soils (Ce 1) (LRR A	Secon W Di Di ots (C3) X G Si Si Si Si Si Fi Fi	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recept Iron R Stunted or Str (B7) Other (Explain e (B8) No Depth (inche No Depth (inche Depth (inche	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lfide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es):	xcept Living Roc 4) d Soils (C6 1) (LRR A	Secon W Di Di ots (C3) X G Si 3) X F/ Fi Fi fi fi	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the requinatio	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7) Other (Explain e (B8) No Depth (inche No Depth (inche Depth (inche Mo Depth (inche	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lfide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es): ss): tos, previous ins	Living Roo 4) d Soils (C6 1) (LRR A	Secon W Di Di Di Di Si Si Si Si Ri Fi Ri Fi and Hydrology if available:	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7) Other (Explain e (B8) No Depth (inche No Depth (inche Depth (inche monitoring well, aerial pho	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) Ifide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es): es): tos, previous ins	xcept Living Roc 4) d Soils (C6 1) (LRR A 	Secon W Di Di Di Si Si Si Si Si Fi Fi Fi and Hydrology if available:	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7)	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) fide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es):	Living Roc 4) d Soils (Ce 1) (LRR A 	Secon W Di Di Di sots (C3) X G Si 	dary Indicators (2 or more required) ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) y-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired; check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recept Iron R Stunted or Str (B7) X Other (Explain e (B8) No Depth (inche No Depth (inche No Depth (inche No Depth (inche	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lfide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es): es): tos, previous ins	Living Roc 4) d Soils (Ce 1) (LRR A 	$\frac{\text{Secon}}{-} W$ $\frac{-}{-} Di$	$\frac{\text{dary Indicators (2 or more required)}}{\text{ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)} \\ \text{ainage Patterns (B10)} \\ \text{y-Season Water Table (C2)} \\ \text{aturation Visible on Aerial Imagery (C9)} \\ \text{eomorphic Position (D2)} \\ \text{atlow Aquitard (D3)} \\ \text{AC-Neutral Test (D5)} \\ \text{aised Ant Mounds (D6) (LRR A)} \\ \text{ost-Heave Hummocks (D7)} \\ \text{Present? Yes X No} \\ homogeneous of the second sec$
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired: check all that apply) Water-Stained MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7) X Other (Explain e (B8) No Depth (inche No Depth (inche	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lfide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es):	xcept Living Roc 4) d Soils (C6 1) (LRR A 	$\frac{Secon}{-} W$ $\frac{Di}{-} Di$ $Dis (C3) X G$ $\frac{Si}{-} Si$	$\frac{\text{dary Indicators (2 or more required)}}{\text{ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)} \\ \text{ainage Patterns (B10)} \\ \text{y-Season Water Table (C2)} \\ \text{aturation Visible on Aerial Imagery (C9)} \\ \text{eomorphic Position (D2)} \\ \text{atom Aquitard (D3)} \\ \text{AC-Neutral Test (D5)} \\ \text{aised Ant Mounds (D6) (LRR A)} \\ \text{ost-Heave Hummocks (D7)} \\ \text{Present? Yes X No} \\ \text{+ 6"higher in} \\ Action State State$
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ired: check all that apply) Water-Stainer MLRA 1, 2 Salt Crust (B1 Aquatic Invert Hydrogen Sul Oxidized Rhiz Presence of F Recent Iron R Stunted or Str (B7) Other (Explain e (B8) No Depth (inche No Depth (inche No Depth (inche No Depth (inche No Depth (inche Arian Known a fion Known	d Leaves (B9) (e 2, 4A, and 4B) 11) tebrates (B13) lfide Odor (C1) cospheres along Reduced Iron (C4 Reduction in Tille ressed Plants (D n in Remarks) es):	xcept Living Roc 4) d Soils (C6 1) (LRR A 	$\frac{\text{Secon}}{} W$ $\frac{-}{-} Di$ $\frac{-}{-} D$	$\frac{\text{dary Indicators (2 or more required)}}{\text{ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)} \\ \text{ainage Patterns (B10)} \\ \text{y-Season Water Table (C2)} \\ \text{aturation Visible on Aerial Imagery (C9)} \\ \text{eomorphic Position (D2)} \\ \text{nallow Aquitard (D3)} \\ \text{AC-Neutral Test (D5)} \\ \text{aised Ant Mounds (D6) (LRR A)} \\ \text{ost-Heave Hummocks (D7)} \\ \text{Present? Yes X No} \\ + 6"h higher in $

Projection & C	DATA FORM -	Western Mou	intains, Valleys, and	Coast Region
Application in the second seco	City	County: Wes	tPAST S	Sampling Date: 7/29/2
Applicant/Owner: WA STQTE Far N	3		State: WAs	Sampling Point: 1152-
investigator(s): <u>D. FIETCSel</u>	Secti	ion, Township, Ra	inge:	
andform (hillslope, terrace, etc.):	Loca	al relief (concave,	convex none):	Slope (%):
Subregion (LRR): <u>4</u>	Lat:		Long:	Datum:
Soil Map Unit Name: DUNE Land			NWI classificat	ion: upland
Are climatic / hydrologic conditions on the site typical for	this time of year?	Yes No _	X (If no, explain in Rer	narks.)
Are Vegetation, Soil, or Hydrology	_ significantly distu	rbed? N Are	"Normal Circumstances" pre	esent? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology	_ naturally problem	natic? A/ (If ne	eeded, explain any answers	in Remarks.)
SUMMARY OF FINDINGS - Attach site ma	n showing sar	nnling point l	ocations transacts	important features etc.
Hydrophytic Vegetation Present?			ocations, transects,	important leatures, etc.
Hydric Soil Present? Yes	No	Is the Sampled	d Area	100 M
Wetland Hydrology Present? Yes	No X	within a Wetla	nd? Yes	_ No X
Remarks: Relation promal plecia				
Photos 18-19				
VEGETATION – Use scientific names of pl	ants.		1.00	
Tree Stratum (Plot size: 3D-)	Absolute Do	minant Indicator	Dominance Test works	neet:
	% Cover Spi	ecles? Status	Number of Dominant Spe	cies 2 (A)
2. NA			That Are OBL, FACVV, or	FAC: (A)
3			Total Number of Dominar Species Across All Strata	t Y (B)
4				(5)
10-	= Te	otal Cover	Percent of Dominant Spe That Are OBL, FACW, or	FAC: 50 (A/B)
Sapling/Shrub Stratum (Plot size: (>)	10	V I.PI	Prevalence Index works	heet:
Pinul Contacto		FAC	Total % Cover of:	Multiply by:
3 Marella californica		FACH	OBL species	x 1 =
4.			FACW species	x 2 =
5.	Sec.	100 C	FAC species	x 3 =
r-	72 = T	otal Cover	FACU species	x 4 =
Herb Stratum (Plot size:)	10	V EIC	UPL species	x5=
1. How stantos		X AL		(A)(B)
2. Carex objupta	<u></u> .	EAG	Prevalence Index =	= B/A =
3. Augochil subartera	-10-	X FAC	Hydrophytic Vegetation	Indicators:
Stacus for Co+41		FACIN	1 - Rapid Test for Hy	drophytic Vegetation
6 Amaphila arearia	15	X FACH	2 - Dominance Test	s >50%
7.			A - Morphological Ad	antations <sup>1</sup> (Provide supporting
8.			data in Remarks	or on a separate sheet)
9			5 - Wetland Non-Vas	cular Plants <sup>1</sup>
10			Problematic Hydroph	nytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric soil a	and wetland hydrology must
	<u>47</u> = To	otal Cover	be present, unless distur	bed of problematic.
Woody Vine Stratum (Plot size:)			a set a set	
- 1/A			Hydrophytic	r
2. <u></u> (/)		ntal Cover	Present? Yes	No
-	- 10			
% Bare Ground in Herb Stratum				

SOIL

Sampling Point: T15C-2

		nem une n	uicator	or comm	in the absence	or manualorsiy
Depth <u>Matrix</u>	Redo:	x Features	Tunal	1002	Toxture	Pemarke
0-8 12,57 4/2 100			Type	LOC	Losa	
8-18 2.544/2 98	10 YR 4/6	1	C	M	Losa	
	7. 5YR 4/6	14	С	M	-	
			1.1		1	
		<u></u>				
					_	
		_				
				1		
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS	S=Covered	or Coate	ed Sand G	rains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	all LRRs, unless other	rwise note	ed.)		Indicato	rs for Problematic Hydric Soils":
Histosol (A1)	Sandy Redox (	S5)			2 cn	Muck (A10)
Black Histic (A3)	Supped Matrix	(S6) Ainoral (E4		MIDAN	Red	Shallow Dark Surface (TE12)
Hvdrogen Sulfide (A4)	Loamy Gleved	Matrix (F2)	) (excep	TIMLRA 1	very	r (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix	(F3)	,			
Thick Dark Surface (A12)	Redox Dark Su	rface (F6)			<sup>3</sup> Indicato	rs of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark	Surface (F	7)		wetla	nd hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depress	sions (F8)	-		unles	s disturbed or problematic.
Restrictive Layer (if present):						
Type:						
Depth (inches):					Hydric Soil	Present? Yes No
A Lot The Real Property of the						
IYDROLOGY Wetland Hydrology Indicators:						
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi	ired; check all that appl	ly)			Secor	idary Indicators (2 or more required)
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi	ired; check all that appl Water-Sta	ly) ined Leave	es (B9) (6	except	<u>Secor</u> W	dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2,
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2)	ired; check all that appl Water-Sta MLRA	(y) ined Leave 1, 2, 4A, a	es (B9) (e and 4B)	except	<u>Secor</u> W	dary Indicators (2 or more required) dater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3)	ired; check all that appl Water-Sta MLRA Salt Crust	(V) ined Leave 1, 2, 4A, a (B11)	es (B9) (e ind 4B)	except	<u>Secor</u> W D	Idary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10)
IYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Depart (B2)	ired; check all that appl Water-Sta MLRA Salt Crust Aquatic In	y) ined Leave 1, 2, 4A, a (B11) vertebrate:	es (B9) (€ und 4B) s-(B13)	except	<u> Secor</u> W D	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2)
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HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the equination)	ired; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce	es (B9) (e ind 4B) s (B13) dor (C1) res along d Iron (C	except Living Ro 4)	<u>Secor</u> W D D S ots (C3) G	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination of the requinatio	ired; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Ind	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reductio	es (B9) (d and 4B) s (B13) dor (C1) res along d Iron (C on in Tille	except Living Ro 4) ed Soils (C	Secor W D D S ots (C3) G S 6) F	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ny-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requination in the second secon	ired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iroo Stunted or	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction Stressed	es (B9) (d and 4B) s (B13) dor (C1) res along d Iron (C on in Tille Plants (D	Except Living Ro 4) ed Soils (C 01) (LRR 4	<u>Secor</u> W D D S ots (C3) G S 6) F	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
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WEILAND DETERMINATION DATA FOR	Ust Qant Ust
Project/Site: WISTIGET LIGNT SP	City/County: WEST FORU Sampling Date:
Applicant/Owner: Stars Nar(25	State: WR Sampling Point: SF-116-
nvestigator(s): <u>P. Namiai</u>	Section, Township, Range:
andform (hillslope, terrace, etc.):Nter do val	Local relief (concave, convex, none): Concart Slope (%): 1
Subregion (LRR): Lat:	Long: Datum:
Soil Map Unit Name: DUNE Land	NWI classification: PFO/PEMIC
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significant	y disturbed? Are "Normal Circumstances" present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes K. No	
Hydric Soil Present? Yes K No	Is the Sampled Area
Wetland Hydrology Present? Yes <u>X</u> No	
Remarks: Nauseest T	16
Photos 57-60	
/EGETATION – Use scientific names of plants.	
Tree Stratum (Plot size: 38') Absolute	Dominant Indicator   Dominance Test worksheet:     Species? Status   Number of Deminant Operations   N
1. Pinus contorta 40	$\frac{1}{2} \frac{1}{2} \frac{1}$
2	Tatal Number of Deminent
3	Species Across All Strata: (B)
4	Encent of Dominant Species
90 15° - 40	_ = Total Cover That Are OBL, FACW, or FAC: (A/B)
1 1 20 5 CE Installar 5	Prevalence Index worksheet:
2 SP. Care dougle St. ID	Total % Cover of: Multiply by:
3 Malus fusca 10	OBL species x1 =
4.	FACW species x 2 =
5	FAC species x 3 =
-1 _25	_ = Total Cover
Herb Stratum (Plot size:)	$\sqrt{2\beta}$
1. CAPEN OPHIOFIG 10	
2	Prevalence Index = B/A =
3	Hydrophytic Vegetation Indicators:
5	1 - Rapid Test for Hydrophytic Vegetation
6	
7.	5 - Frevalence index is \$5.0
8	data in Remarks or on a separate sheet)
9	5 - Wetland Non-Vascular Plants <sup>1</sup>
10	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 15'	_= Total Cover
1	– – – Hydrophytic
2	Vegetation
	_= Total Cover Present? Yes <u>&gt;</u> No
% Bare Ground in Herb Stratum	
Remarks:	

US Army Corps of Engineers

SOIL

Sampling Point: <u>SP-T16-1</u>

Derth					nuicator	or committe	i the absel	nce of mulcators.)
Depth	Matrix		Redo	x Feature	s			가면 그 것, 것 같아? 그 그 그
(inches)	Color (moist)		Color (moist)	%	_Type <sup>1</sup>	_Loc <sup>2</sup>	Texture	e Remarks
1-0					1.1.1	<u></u>	Little	<u> </u>
0-7	<u>SY 111</u>	48	2.54 4/3	5	C	m,PL	LFS	
7-18	104 4/1	100		-	-	-	HIS	
							1 Same	
					1.4			
		6.77			100		2.546	
1000		17.34		1	1.15		-	
<sup>1</sup> Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, CS	S=Covered	d or Coate		ains	<sup>2</sup> l ocation: PI =Pore Lining, M=Matrix,
Hydric Soil I	ndicators: (Application	able to all	LRRs, unless other	rwise not	ed.)		Indic	cators for Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		X Sandy Redox (	S5)	10.10			2 cm Muck (A10)
Histic Ep	pipedon (A2)		Stripped Matrix	(S6)				Red Parent Material (TF2)
Black Hi	stic (A3)		Loamy Mucky N	Mineral (F	1) (excep	MLRA 1)		Very Shallow Dark Surface (TF12)
Hydroge	n Sulfide (A4)		Loamy Gleyed	Matrix (F2	)		_ (	Other (Explain in Remarks)
Depleted	Below Dark Surface	e (A11)	Depleted Matrix	x (F3)	11.00			
Thick Da	ark Surface (A12)		Redox Dark Su	rface (F6)			<sup>3</sup> India	cators of hydrophytic vegetation and
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface (F	7)		w	etland hydrology must be present,
Sandy G	Bleyed Matrix (S4)		Redox Depress	sions (F8)			ur	nless disturbed or problematic.
Restrictive I	Layer (if present):	1995	A DESCRIPTION	S. 362	10.11	S. P. K.	198	
Туре:			<u></u>					
Depth (in	ches):			1274			Hydric S	Soil Present? Yes <u>&gt;</u> No
Remarks:	Local Section Providence	Section 2	19-19-18 A. A. M.		3010		All a	had been and the same store a half the state
131111								
P. Bartel								All and a second second
C PIAN	and the second	and the second second						
HYDROLO	GY							
Wetland Hy	drology Indicators:	1. 200		and the second second	and the second second	(1) (1) (1)	al Same	State State and States and States
Primary India	atom (minimum of a							<u>, kontenen en la serie de la ser Serie de la serie de la s</u>
0.4	cators (minimum of o	ne require	d; check all that appl	ly)			<u>S</u> e	econdary Indicators (2 or more required)
Surface	Water (A1)	ne require	d; check all that appl Water-Sta	ly) ined Leave	es (B9) ( <b>e</b>	xcept	<u>Se</u>	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
→ Surface	<u>cators (minimum of o</u> Water (A1) ater Table (A2)	ne require	d: check all that appl Water-Sta MLRA	ly) ined Leave 1, 2, 4A, a	es (B9) (e and 4 <b>B)</b>	xcept	<u>Se</u> <u>X</u>	econdary Indicators (2 or more required) _ Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
→ Surface → High Wa → Saturatio	vater (A1) water Table (A2) on (A3)	ne require	d: check all that appl Water-Sta MLRA Salt Crust	ly) ined Leave 1, 2, 4A, a (B11)	es (B9) (e and <b>4B)</b>	xcept	<u>Se</u> X	econdary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
→ Surrace → High Wa → Saturation Water M	Water (A1) Water Table (A2) on (A3) Jarks (B1)	ne require	<u>d; check all that appl</u> Water-Sta <b>MLRA</b> Salt Crust Aquatic In	ly) ined Leave <b>1, 2, 4A,</b> a (B11) vertebrate	es (B9) (e and 4B) s (B13)	xcept	<u>Se</u>	<ul> <li><u>econdary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> </ul>
Surrace     ✓ High Wa     ✓ Saturatio     ✓ Water M     ✓ Sedimer	Water (A1) tter Table (A2) on (A3) larks (B1) t Deposits (B2)	ne require	<u>d; check all that appl</u> Water-Sta <b>MLRA</b> Salt Crust Aquatic In Hvdrogen	v) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Od	es (B9) (e and 4B) s (B13) dor (C1)	xcept	<u>Se</u>	<ul> <li><u>econdary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
→ High Wa → High Wa → Saturatio → Water M → Sedimer Drift Der	Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic Im Oxidized F	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe	es (B9) (e and 4B) s (B13) dor (C1) res along	xcept	<u>Se</u> ⊻ 	<u>econdary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</u> Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
Surrace     High Wa	Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	<u>ne require</u>	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce	es (B9) (e and 4B) s (B13) dor (C1) res along ed iron (C4	xcept Living Roo	<u>Se</u> ⊻ 	<ul> <li>econdary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> </ul>
Surrace     High Wa	Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro	(V) ined Leave (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille	xcept Living Roo 4) d Soils (C6	<u>Se</u> ∑ ots (C3) ↓	<u>econdary 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) Geomorphic Position (D2) Shallow Aquitard (D3)
Saturate	Water (A1) Ater Table (A2) on (A3) larks (B1) ht Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Recent Iro Stunted or	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	xcept Living Roo 4) d Soils (C6 1) (LRR A)	<u>Se</u> ∑ ots (C3) → )	<u>econdary Indicators (2 or more required)</u> <u>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</u> Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Reised Apt Mounds (D6) (LRP A)
✓ Saturate     ✓ High Wa     ✓ Saturate     ✓ Water M     ✓ Sedimer     ✓ Drift Dep     ✓ Algal Ma     ✓ Iron Dep     ✓ Surface     ✓ Surface	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I	magery (B	d: check all that appl Water-Sta MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exr	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)		econdary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummorks (D7)
Surrace     High Wa     Saturatio     Water M     Sedimer     Drift Dep     Algal Ma     Iron Dep     Surface     Inundati     Snarseb	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I	magery (B	d: check all that appl Water-Sta MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8)	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	→ Sec × → → → → → → → → → → → → → → → → → → →	<ul> <li>econdary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Surrace     High Wa     Saturatio     Water M     Vater M     Drift Deg     Drift Deg     Algal Ma     Iron Deg     Surface     Inundatii     Sparsely     Eield Observer	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave	magery (B Surface (	d; check all that appl Water-Sta MLRA Salt Crust Aquatic Im Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	→ Sec →	<ul> <li>condary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
✓ Saturate     ✓ High Wa     ✓ Saturatio     ✓ Water M     ✓ Sedimer     ✓ Drift Deg     ✓ Algal Ma     ✓ Iron Deg     ✓ Iron Deg     ✓ Surface     ✓ Inundati     ✓ Sparsely     Field Obser	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: or Present?	magery (B Surface (	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8)	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	→ Sec →	<ul> <li>econdary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
✓ Saturate     ✓ High Wa     ✓ Saturatio     ✓ Vater M     ✓ Sedimer     ✓ Drift Dep     ✓ Algal Ma     ✓ Iron Dep     ✓ Surface     ✓ Inundati     ✓ Sparsely     Field Obser     Surface Wate	Water (A1) ther Table (A2) on (A3) larks (B1) ht Deposits (B2) bosits (B3) at or Crust (B4) bosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Y	magery (B Surface ( es	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No ★ Depth (in)	(V) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	→ Sec →	<ul> <li>econdary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
✓ Surrace     ✓ High Wa     ✓ Saturatio     ✓ Water M     ✓ Sedimer     ✓ Drift Deg     ✓ Algal Ma     ✓ Iron Deg     ✓ Surface     ✓ Inundati     ✓ Sparsely     Field Obser     Surface Water Table     Saturation Deg	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Y Present? Y	magery (B es es	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No ★ Depth (in No _ Depth (in	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4) on in Tille Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)	→ Sec > → → → → → → → → →	<ul> <li>econdary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
✓ Surrace     ✓ High Wa     ✓ Saturatio     ✓ Water M     ✓ Sedimer     ✓ Drift Deg     ✓ Algal Ma     ✓ Iron Deg     ✓ Surface     ✓ Inundati     ✓ Sparsely     Field Obser     Surface Water     Vater Table     Saturation P     (includes cag	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Yesent? Yo positary fringe)	magery (B es es es	d: check all that appl Water-Sta MLRA Salt Crust Aquatic Im Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No X Depth (inc No Depth (inc	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)		
✓ Saturatio     ✓ High Wa     ✓ Saturatio     ✓ Water M     ✓ Sedimer     ✓ Drift Deg     ✓ Algal Ma     ✓ Iron Deg     ✓ Iron Deg     ✓ Surface     ✓ Inundatii     ✓ Sparsely     Field Obser     Surface Water Table     Saturation P     (includes cag     Describe Re	Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Yresent? Yresent? Yo pillary fringe) corded Data (stream	magery (B e Surface ( es <u>X</u> es <u>X</u> gauge, mo	d; check all that appl 	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)		
✓ Saturatio     ✓ High Wa     ✓ Saturatio     ✓ Vater M     ✓ Sedimer     ✓ Drift Dep     ✓ Algal Ma     ✓ Iron Dep     ✓ Iron Dep     ✓ Surface     ✓ Inundatio     ✓ Sparsely     Field Obser     Surface Water Table     Saturation P     (includes car     Describe Re	Water (A1) ther Table (A2) on (A3) larks (B1) ht Deposits (B2) bosits (B3) at or Crust (B4) bosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Present? Yeilary fringe) corded Data (stream	magery (B es es es gauge, mo	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No <u>×</u> Depth (in No Depth (in No Depth (in Depth (inc	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)   wetta spections),		
	Water (A1) ther Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? YA Present? YA present? YA present? YA posita (stream	magery (B Surface ( es es gauge, mo	d; check all that appl 	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4) on in Tille Plants (D emarks) 7	xcept Living Roo 4) d Soils (C6 1) (LRR A) 		
✓ Surface     ✓ High Wa     ✓ Saturatio     ✓ Water M     ✓ Sedimer     ✓ Drift Deg     ✓ Algal Ma     ✓ Iron Deg     ✓ Surface     ✓ Inundati     ✓ Sparsely     Field Obser     Surface Water     Vater Table     Saturation P     (includes cag     Describe Re     Remarks:	Water (A1) ther Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Yr Present? Yr resent? Yr posilary fringe) corded Data (stream	magery (B e Surface ( es <u>X</u> es <u>X</u> gauge, mo	d: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No X Depth (in No Depth (in onitoring well, aerial p	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) 7 7 evious ins	xcept Living Roo 4) d Soils (C6 1) (LRR A) 		econdary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
	Water (A1) ther Table (A2) on (A3) larks (B1) Int Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Y Present? Y resent? Y pillary fringe) corded Data (stream	magery (B e Surface ( es <u>X</u> es <u>X</u> gauge, mo	d; check all that appl 	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) 7 7	xcept Living Roo 4) d Soils (C6 1) (LRR A) 		econdary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surrace     Surrace     High Wa     Saturatio     Water M     Sedimer     Drift Deg     Algal Ma     Iron Deg     Iron Deg     Inundati     Sparsely     Field Obser     Surface Water Table     Saturation P     (includes cag     Describe Re     Remarks:	Water (A1) ther Table (A2) on (A3) larks (B1) Int Deposits (B2) bosits (B3) at or Crust (B4) bosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Present? Present? Yresent? Corded Data (stream	magery (B e Surface ( es <u>X</u> es <u>X</u> gauge, mo	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or 7) Other (Exp B8) No X Depth (in No Depth (in No Depth (in No Depth (in	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) 7 7	xcept Living Roo 4) d Soils (C6 1) (LRR A)  		econdary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Surrace     Surrace     High Wa     Saturatio     Water M     Sedimer     Drift Dep     Algal Ma     Iron Dep     Surface     Inundati     Sparsely     Field Obser     Surface Wate     Vater Table     Saturation P     (includes car     Describe Re     Remarks:	Water (A1) ther Table (A2) on (A3) larks (B1) Int Deposits (B2) bosits (B3) at or Crust (B4) bosits (B5) Soil Cracks (B6) on Visible on Aerial I y Vegetated Concave vations: er Present? Y Present? Y Present? Y pillary fringe) corded Data (stream	magery (B es es gauge, mo	d; check all that appl 	(y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reduction Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roo 4) d Soils (C6 1) (LRR A)   weth spections),	ots (C3)	econdary 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION D	ATA FORM -	Western Mou	ntains, Valleys, and	d Coast Region
Project/Site: WestPost Light SP	City/C	County: West	Port	Sampling Date: 4-14-21
Applicant/Owner: Style Parks			State: WA	Sampling Point: SP-T16-
Investigator(s): P, HaMidi	Secti	on, Township, Rar	nge:	
Landform (hillslope, terrace, etc.): 1 Nt2rdo.Nc	Loca	I relief (concave, o	convex, none):	10K Slope (%): 2
Subregion (LRR):	Lat:		Long:	Datum:
Soil Map Unit Name: DUNE LAND			NWI classific	cation: UPKNO
Are climatic / hydrologic conditions on the site typical for th	is time of year?	es X No	(If no, explain in F	Remarks.)
Are Vegetation Soil or Hydrology	significantly distu	bed? Are "	Normal Circumstances"	present? Yes 🖌 No
Are Vegetation Soil or Hydrology	naturally problem	atic? (If ne	eded explain any answe	ers in Remarks.)
	naturally problem		cucu, explain any anone	
SUMMARY OF FINDINGS – Attach site map	showing san	npling point lo	ocations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes Y	No	le the Sampled	Area	
Hydric Soil Present? Yes		within a Wetlan	id? Yes	No
Remarks:			the second second	2. Kalendar and a stranger of the
rnotos 61-63				
VEGETATION – Use scientific names of plan	nts.			
Tree Stratum (Plat size: 301	Absolute Dor	ninant Indicator	Dominance Test work	sheet:
1 Pints Contractor	Ro Spe	Cles? Status	Number of Dominant S	pecies Z (A)
2 Picza Sitchensis	10.	一話	That Are ODE, I AOVV,	
3			Total Number of Domin	nant <u>3</u> (B)
4.				
ind	90 = TO	otal Cover	Percent of Dominant S That Are OBL. FACW.	or FAC: 67 (A/B)
Sapling/Shrub Stratum (Plot size: 15)	·	1 EA	Prevalence Index wo	rksheet:
1. Vaccinium Ovatum		<u> </u>	Total % Cover of:	Multiply by:
2			OBL species	x 1 =
3		1.1.1.1.1.	FACW species	x 2 =
4		State of the state of	FAC species	x 3 =
J		otal Cover	FACU species	x 4 =
Herb Stratum (Plot size: 5			UPL species	x 5 =
1. CATLA ODNOPOS	_ 20 \	00-	Column Totals:	(A) (B)
2. Goodyera Oblongitalis	<u>T</u>	they	.Prevalence Index	: = B/A =
3	<u> </u>		Hydrophytic Vegetati	on Indicators:
4	<u>- 1910 - 191</u>	the second s	1 - Rapid Test for	Hydrophytic Vegetation
5	a and a start of the	in the second	2 - Dominance Te	st is >50%
6			3 - Prevalence Ind	ex is ≤3.0 <sup>1</sup>
7		<u> </u>	4 - Morphological	Adaptations' (Provide supporting
8			5 - Wetland Non-V	ascular Plants <sup>1</sup>
9			Problematic Hydro	phytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric so	il and wetland hydrology must
1.	7.0 = To	tal Cover	be present, unless dist	urbed or problematic.
Woody Vine Stratum (Plot size: 15)		11 g <sup>1</sup> 1	de la composición de	
1			Hydrophytic	2 12.
2	<u>_</u>	يسبيد فينت	Vegetation Present? Ye	as X No
% Bare Ground in Herb Stratum	= То	tal Cover		
Remarks:				and the second

S	O	I	
-	-	٠	_

Sampling Point: <u>SP-T/6</u>2

Profile Description: (Describe to the dep	oth needed to document the indicator or c	confirm the absence of indicators.)
Depth <u>Matrix</u>	Redox Features	
(inches) Color (moist) %	<u>Color (moist)</u> % Type <sup>1</sup> L	<u>oc<sup>2</sup> Texture Remarks</u>
0-1 TOYK 412,5 100		- LPS
7-12 #254 412 10C		- LFS
12-18 2,54 4/15 100	o	- 45
The second s	Salara Salara Mana Maria Matri	
		the second s
<sup>1</sup> Type: C=Concentration, D=Depletion, RM	=Reduced Matrix, CS=Covered or Coated S	and Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils*:
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 ML	_RA 1) Very Shallow Dark Sufface (1F12)
Depleted Below Dark Surface (A11)	Depleted Matrix (F2)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> 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:		N
Depth (inches):	요구 아파 영상은 전체 가슴?	Hydric Soil Present? Yes No
Remarks:		
HYDROLOGY Wetland Hydrology Indicators:		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	ed; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	ed; check all that apply)	Secondary Indicators (2 or more required) pt Water-Stained Leaves (B9) (MLRA 1, 2
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B)	Secondary Indicators (2 or more required) pt Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required)      pt Water-Stained Leaves (B9) (MLRA 1, 2         4A, and 4B)     Drainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ed; check all that apply) Water-Stained Leaves (B9) (exce 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)     Drainage Patterns (B10)     Dry-Season Water Table (C2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ed; check all that apply) — Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1)	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 (C3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi	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 (C3     ng Roots (C3) _ Geomorphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4)	Secondary Indicators (2 or more required)         opt
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc	Secondary Indicators (2 or more required)         opt
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Se Stunted or Stressed Plants (D1) (	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) — Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Livi — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled So — Stunted or Stressed Plants (D1) ( 87) — Other (Explain in Remarks)	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)  Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B)  Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled So Stunted or Stressed Plants (D1) (0 37) Other (Explain in Remarks) (B8)	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply) Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Livi Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Sc Stunted or Stressed Plants (D1) (1 37) Other (Explain in Remarks) (B8) No. 22 Depth (inches);	Secondary Indicators (2 or more required)         upt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)  Water-Stained Leaves (B9) (exce MLRA 1, 2, 4A, and 4B)  Salt Crust (B11)  Aquatic Invertebrates (B13)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres along Livi  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Sc  Stunted or Stressed Plants (D1) (0  37) Other (Explain in Remarks) (B8)  No Depth (inches):	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         opt
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)         ept
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ad; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	ed; check all that apply)	Secondary Indicators (2 or more required)

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roject/Site: Westfort	(Cr	ty/County: wes	+Pos+	_ Sampling Date:
pplicant/Owner: WA State Parks	in a final second		State: WA	_ Sampling Point: <u>111-1</u>
westigator(s): B. Fletcher	Se	ection, Township, Ra	ange:	
andform (hillslope, terrace, etc.): <u>Interdu</u>	nlL	ocal relief (concave,	convex, none);	Slope (%):
ubregion (LRR):	Lat:	Stranger Colo	_ Long:	Datum:
oil Map Unit Name: DUN2 LQNd			NWI classif	fication: TTOb
re climatic / hydrologic conditions on the site typical	for this time of year	? Yes <u>×</u> No_	(If no, explain in	Remarks.)
re Vegetation, Soil, or Hydrology	significantly dis	sturbed? N Are	"Normal Circumstances"	present? Yes X_No
re Vegetation, Soil, or Hydrology	naturally probl	ematic? V (If n	eeded, explain any answ	ers in Remarks.)
UMMARY OF FINDINGS - Attach site	man showing s	ampling point	locations, transect	s, important features, etc
	No.			
Hydrophytic Vegetation Present? Tes		Is the Sampled	d Area	
Wetland Hydrology Present? Yes	No	within a Wetla	nd? Yes	X No
Remarks:	1997 N 489 24 843	A COLOR NO.	And the second second	Contract and second
Photos 96P-9			and the second second	
EGETATION – Use scientific names of	f plants.	1 - Charles	Joint St.	The sector and the
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test wor	rksheet:
1 Pinus conterta	55	X FA(	That Are OBL, FACW	or FAC:
2.		1212	Tatal Number of Dom	inant
3.	a the second second		Species Across All St	rata: (B)
4			Percent of Dominant	Species
771		= Total Cover	That Are OBL, FACW	, or FAC: 100 (A/B)
Sapling/Shrub Stratum (Plot size:	2 3	FAC	Prevalence Index wo	orksheet:
- Lonicera involverata	1	FAC	Total % Cover of:	Multiply by:
3.		and the second	OBL species	x 1 =
4		and the second	FACW species	x 2 =
5	<u> </u>	A state free land	FAC species	x 3 =
		= Total Cover	UPL species	× 5 =
Herb Stratum (Plot size:)	PO	× OBL	Column Totals:	(A) (B)
		manife i Scherke	Dravalance Inde	
3	Mader Loksi 1	a South Section	Hydrophytic Vegeta	tion Indicators:
The sector of	<u> </u>	in same was	1 - Rapid Test for	r Hydrophytic Vegetation
5	E. C. Marchar	1.1.1	2 - Dominance T	est is >50%
3. <u> </u>	and the second second	1 년 : 역구 (백왕은 국왕) 1 년 : 역구	3 - Prevalence In	dex is ≤3.0 <sup>1</sup>
7			4 - Morphologica	Adaptations <sup>1</sup> (Provide supporting
3	ومستجمع فيتشب	and the second	5 Wothard Non	Vascular Plants <sup>1</sup>
9		Contraction of the second	Problematic Hyd	ronhytic Vegetation <sup>1</sup> (Explain)
10		2	<sup>1</sup> Indicators of hydric s	oil and wetland hydrology must
11	Po -	Total Cover	be present, unless di	sturbed or problematic.
Woody Vine Stratum (Plot size: 5)	WIND C TRA		A second s	principal and a second s
1A		the second second	Hydrophytic	
2	- Alexandra - A	and the second second	Vegetation Present?	res X No
		Total Cover		
V Bara Cround in Hark Stratum				

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

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Sampling Point: T17-1

Denth Matrix	Deday	Footure	e			
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
)-OC Duff					1. S.	
	• • • • • • • • • • • • • • • • • • •		-			
5-3-90TK-	ميدين وتصبحا التو	- and	a na internet			and the second
5-5 2.57 4/1 100	the second second	-				Same and and the second
-18 2 54 4/1 96	10YR 3/4	2	C	M	Losa	a second
	INVR 3/6	)	<u> </u>		1.50	
	10 (11 / 0		<u> </u>	701		
Type: C=Concentration, D=Depletion, RM ydric Soil Indicators: (Applicable to al	A=Reduced Matrix, CS	=Covere wise not	d or Coate	ed Sand G	rains. <sup>2</sup> Loca Indicators	tion: PL=Pore Lining, M=Matrix. s for Problematic Hydric Soils <sup>3</sup> :
_ Histosol (A1)	XSandy Redox (S	5)			2 cm	Muck (A10)
Histic Epipedon (A2)	Stripped Matrix	(S6)			Red F	Parent Material (TF2)
Black Histic (A3)	Loamy Mucky M	lineral (F	1) (excep	t MLRA 1)	Very	Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed M	Aatrix (F:	2)	2.5	Other	(Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix	(F3)			10.000	
Thick Dark Surface (A12)	Redox Dark Sur	face (F6)	)		<sup>3</sup> Indicators	of hydrophytic vegetation and
_ Sandy Mucky Mineral (S1)	Depleted Dark S	Surface (I	F7)	1	wetland	i hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressi	ons (F8)	1.12	144	unless	disturbed or problematic.
estrictive Layer (if present):						
Туре:	Contraction of the second				1-21-21-22	V
Depth (inches):	Carl Barry				Hydric Soil P	resent? Yes <u>No</u>
YDROLOGY Vetland Hydrology Indicators:	od: check all that apply				Sacard	any Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir	ed; check all that apply	)			Second	ary Indicators (2 or more required)
<b>/DROLOGY</b> Vetland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1)	ed; check all that apply Water-Stain	r) ned Leav	/es (B9) (e	except	<u>Second</u> Wa	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1
/DROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) ≯	ed; check all that apply Water-Stain MLRA 1 2014 Count	r) ned Leav I, 2, 4A,	/es (B9) (e and 4B)	except	<u>Second</u> Wa	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requir _ Surface Water (A1) ∠ High Water Table (A2) ≯ ≤ Saturation (A3) ≁	ed; check all that apply Water-Stain MLRA 1 Salt Crust (	r) ned Leav I, 2, 4A, (B11)	ves (B9) (e and 4B)	except	<u>Second</u> Wa Dra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 3 4A, and 4B) iinage Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requir _ Surface Water (A1) _ High Water Table (A2) ★ _ Saturation (A3)★ _ Water Marks (B1)	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv	r) ned Leav I, 2, 4A, (B11) rertebrate	ves (B9) (e and 4B) es (B13)	except	<u>Second</u> Wa Dra Dry	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) inage Patterns (B10) -Season Water Table (C2)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requir _ Surface Water (A1) ✓ High Water Table (A2) ★ ✓ Saturation (A3)★ _ Water Marks (B1) _ Sediment Deposits (B2)	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inw Hydrogen 3	r) ned Leav I, 2, 4A, (B11) ertebrate Sulfide C	ves (B9) (e and 4B) es (B13) odor (C1)	except	<u>Second</u> Wa Dra Dry Sat	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requir _ Surface Water (A1) ✓ High Water Table (A2) ★	ed; check all that apply Water-Stain MLRA 1 Sait Crust ( Aquatic Inw Hydrogen S Oxidized R	r) ned Leav I, 2, 4A, (B11) rertebrate Sulfide C hizosphe	ves (B9) (e and 4B) es (B13) odor (C1) eres along	except	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (Comorphic Position (D2)
YDROLOGY Vetland Hydrology Indicators: <u>trimary Indicators (minimum of one requir</u> Surface Water (A1) Yet High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inw Hydrogen S Oxidized R Presence c	r) med Leav I, 2, 4A, (B11) rertebrate Sulfide O hizosphe of Reduce	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C	except Living Roo 4)	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sta	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) inage Patterns (B10) 7-Season Water Table (C2) uration Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3)
YDROLOGY Vetland Hydrology Indicators: Inimary Indicators (minimum of one requir Surface Water (A1) ✓ High Water Table (A2) ★ Saturation (A3)★ Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen 3 Oxidized R Presence co Recent Iror	r) ned Leav I, 2, 4A, (B11) rertebrate Sulfide C hizosphe of Reduct	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C- tion in Tille	except Living Roo 4) ed Soils (Cé	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) inage Patterns (B10) 2-Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
Vetland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1) ✓ High Water Table (A2) ★ Saturation (A3)★ Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen S Oxidized R Presence co Recent Iron Stunted or	r) ned Leav I, 2, 4A, (B11) rertebrate Sulfide C hizosphe of Reduce of Reduce Stressec	ves (B9) (e and 4B) es (B13) Odor (C1) eres along ed Iron (C- tion in Tille d Plants (D	except Living Roc 4) d Soils (C6 01) (LRR A	<u>Second</u> Wa Dra Sat ots (C3) Ge Sha 6)FAv 0) Ra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
Vetland Hydrology Indicators: rimary Indicators (minimum of one requir 	ed; check all that apply — Water-Stain MLRA 1 — Salt Crust ( — Aquatic Inv — Hydrogen S — Oxidized R — Presence c — Recent Iron — Stunted or B7) — Other (Exp	r) ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec lain in Re	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Roc 4) d Soils (Cf 01) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA 0) Rai Frc	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) est-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) ✓ High Water Table (A2) ★ ✓ Saturation (A3)★ Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Sparsely Vegetated Concave Surface	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inw Hydrogen S Oxidized R Presence c Recent Iron Stunted or B7) X Other (Exp (B8)	r) ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec lain in Re	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	Except Living Roo 4) d Soils (C6 01) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA 0) Rai Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) inage Patterns (B10) Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicators: Trimary Indicators (minimum of one requir 	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inw Hydrogen 3 Oxidized R Presence co Recent Iron Stunted or B7) Cother (Exp (B8)	ned Leav I, 2, 4A, (B11) rertebrate Sulfide O hizosphe of Reduct Reduct Stressec lain in Re	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Roo 4) ed Soils (Cf 21) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA 0) Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) tist-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         rimary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2) ★         Saturation (A3)★         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery ( Sparsely Vegetated Concave Surface         Sield Observations:         Surface Water Present?	ed; check all that apply — Water-Stain MLRA 1 — Salt Crust ( — Aquatic Inv — Hydrogen 3 — Oxidized R — Presence c — Recent Iron — Stunted or B7) Z Other (Exp (B8) _ No X Depth (inc	r) med Leav I, 2, 4A, (B11) rertebrate Sulfide O hizosphe of Reduce n Reduct Stressec lain in Re thes):	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Roo 4) d Soils (Cf 01) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA 0) Rai Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) tinage Patterns (B10) P-Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) test-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         rimary Indicators (minimum of one requir	ed; check all that apply — Water-Stain MLRA 1 — Salt Crust ( — Aquatic Inw — Hydrogen 3 — Oxidized R — Presence c — Recent Iron — Stunted or B7) Cother (Exp (B8) No <u>X</u> Depth (inc No _ Depth (inc	r) med Leav I, 2, 4A, (B11) rettebrate Sulfide C hizosphe of Reduct Stressec lain in Re thes):	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C- tion in Tille d Plants (D emarks)	except Living Roo 4) d Soils (C6 01) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 5) Fa b) Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) image Patterns (B10) P-Season Water Table (C2) uration Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) pst-Heave Hummocks (D7)
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YDROLOGY         Vetland Hydrology Indicators:         rimary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2) ★         Saturation (A3)★         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface         Sited Observations:         Surface Water Present?         Yes         Water Table Present?         Yes         Saturation Present?         Yes         Maturation Present?         Yes         Maturation Present?         Yes         Maturation Present?         Yes         Maturation Present?         Yes	ed; check all that apply Water-Stain MLRA 1 Salt Crust 6 Aquatic Inv Hydrogen 8 Oxidized R Presence c Recent Iron Stunted or B7) Cother (Exp (B8) No <u>C</u> Depth (inc No Depth (inc	() ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec hain in Re- ches): thes): thes):	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C- tion in Tille d Plants (D emarks)	except Living Roc 4) d Soils (Cf 01) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA 0) Ra Fro land Hydrology	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) inage Patterns (B10) V-Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) vst-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         'mmary Indicators (minimum of one requir	ed; check all that apply Water-Stain MLRA 1 Salt Crust 4 Aquatic Inv Hydrogen 8 Oxidized R Presence 0 Recent Iron Stunted or B7) Cother (Exp (B8) No <u>C</u> Depth (inc No Depth (inc No Depth (inc No Depth (inc	() ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec lain in Re- thes): thes): thes):	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Roc 4) d Soils (Ce 201) (LRR A 201) (LRR A 201) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 5) FA b) Ra Fro land Hydrology , if available:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ist-Heave Hummocks (D7) Present? Yes X No
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2) *         Saturation (A3) *         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Vater Table Present?       Yes         Saturation Present?       Yes         Describe Recorded Data (stream gauge, model)	ed; check all that apply — Water-Stain MLRA 1 — Salt Crust ( — Aquatic Inv — Hydrogen S — Oxidized R — Presence c — Recent Iron Stunted or B7) Cother (Exp (B8) _ No <u>C</u> Depth (inc _ No Depth (inc _ No Depth (inc _ No Depth (inc _ No Depth (inc	() ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec lain in Re- thes): thes): hotos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Roc 4) d Soils (Ce 2) 1) (LRR A 2) 2) (LRR A 2) 2) (LRR A 2) 2) (LRR A 2) (LRR A 2	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA 0) Rai Fro land Hydrology , if available:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (Co omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ist-Heave Hummocks (D7) Present? Yes X No
YDROLOGY         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2) *         Saturation (A3)*         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Nater Table Present?       Yes         Saturation Present? <td< td=""><td>ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or B7) Cother (Exp (B8) No <u>C</u> Depth (inc No Depth (inc nonitoring well, aerial p</td><td>() ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec lain in Re- thes): thes): hotos, p</td><td>ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)</td><td>Except Living Roo (4) d Soils (Cf (2)) (LRR A (2)) (LRR A (2)) (LRR A (2)) (LRR A</td><td> <u>Second</u>  Wa  Dra  Dry  Sat ots (C3) Ge  Sha 6) FA b) Rai  Fro land Hydrology , if available:</td><td>ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) test-Heave Hummocks (D7) Present? Yes X No</td></td<>	ed; check all that apply Water-Stain MLRA 1 Salt Crust ( Aquatic Inv Hydrogen 3 Oxidized R Presence of Recent Iron Stunted or B7) Cother (Exp (B8) No <u>C</u> Depth (inc No Depth (inc nonitoring well, aerial p	() ned Leav I, 2, 4A, (B11) ertebrate Sulfide C hizosphe of Reduct Stressec lain in Re- thes): thes): hotos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	Except Living Roo (4) d Soils (Cf (2)) (LRR A (2)) (LRR A (2)) (LRR A (2)) (LRR A	<u>Second</u> Wa Dra Dry Sat ots (C3) Ge Sha 6) FA b) Rai Fro land Hydrology , if available:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C comorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) test-Heave Hummocks (D7) Present? Yes X No
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir	ed; check all that apply	() ned Leav I, 2, 4A, (B11) retebrate Sulfide O hizosphe of Reduct Stressec lain in Re- thes): thes): hotos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Rod (4) d Soils (Cf )1) (LRR A ) U Weth spections), a 4	${}$ $\frac{Second}{}$ ${}$ $Wa$ ${}$ $Dra$ ${}$ $Dry$ ${}$ $Sat$ ${}$	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 4 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) test-Heave Hummocks (D7) Present? Yes X No
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir 	ed; check all that apply Water-Stain MLRA 1 Salt Crust 6 Aquatic Inv Hydrogen 3 Oxidized R Presence 0 Recent Iron Stunted or B7) Cother (Exp (B8) No <u>C</u> Depth (inc No Depth (inc No Depth (inc nonitoring well, aerial p	() ned Leav I, 2, 4A, (B11) rertebrate Sulfide O hizosphe of Reduct Stressec lain in Re- thes): thes) = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Ves (B9) (eand 4B) es (B13) bdor (C1) eres along ed Iron (C- tion in Tille d Plants (D emarks) $\frac{1}{5}$ revious ins $\frac{1}{5}$	except Living Roc 4) d Soils (Ce 01) (LRR A 	${2} \frac{\text{Second}}{} Wa$ ${} Dra$ ${} Dry$ ${} Sat$ ${} Ors (C3) Ge$ ${} Sha$ ${} Sha$ ${} Sha$ ${} Sha$ ${} Frc$ ${} Iand Hydrology}$ ${} if available:$ $\frac{1}{2} eq 5 + 1$	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) tinage Patterns (B10) P-Season Water Table (C2) turation Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) test-Heave Hummocks (D7) Present? Yes X No
YDROLOGY Vetland Hydrology Indicators: <u>'rimary Indicators (minimum of one requir</u> 	ed; check all that apply	() med Leav I, 2, 4A, (B11) retebrate Sulfide C hizosphe of Reduce the solution thessi:	$res (B9) (eand 4B)es (B13)odor (C1)eres alonged Iron (C-tion in Tilled Plants (Demarks)\overline{15}revious ins\overline{25}$	except Living Roc 4) d Soils (Ce 01) (LRR A 	$\frac{Second}{$	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 1) 4A, and 4B) inage Patterns (B10) 2-Season Water Table (C2) uration Visible on Aerial Imagery (C omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) pst-Heave Hummocks (D7) Present? Yes X No $\int f'' high er earlie are d by adjA(encoder)$

roject/Site: Westfort	6	ity County: Wes	port	_ Sampling Date: 7/11/
pplicant/Owner. WA State Parks			State: <u>%A</u>	Sampling Point: T17-2
nvestigator(s): B. Fletcher	8	Section, Township, Ra	nge:	
andform (hillslope, terrace, etc.): Dune lands	Sec. and	Local relief (concave,	convex, none):	Slope (%):
ubregion (LRR): <u>A</u>	Lat:	Section and	Long:	Datum:
oil Map Unit Name: Oune Land		and a surger designed	NWI classi	ication: Opland
are climatic / hydrologic conditions on the site typical for	this time of yea	Ir? Yes X No_	(If no, explain in	Remarks.)
re Vegetation, Soil, or Hydrology	_significantly of	listurbed? N Are	"Normal Circumstances"	present? Yes X No
Are Vegetation, Soil, or Hydrology	_ naturally prol	olematic? N (If ne	eeded, explain any answ	vers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	p showing	sampling point l	ocations, transect	s, important features, etc
Hydrophytic Vegetation Present? Yes	No	Jac mar show we	Second and and	and the state of the second
Hydric Soil Present? Yes	No X	Is the Sampled	Area	No X
Wetland Hydrology Present? Yes	No	within a weua		
Remarks:				
Plat as a when woland h		k Phot	55 966-7	
/EGETATION - Use scientific names of pl	onte	<u>F.</u>	/	
EGETATION - Use scientific names of pla	Ahsolute	Dominant Indicator	Dominance Test wo	rksheet:
Tree Stratum (Plot size: 30 )	% Cover	Species? Status	Number of Dominant	Species
1. Tinus contorta	60	X FAC	That Are OBL, FACW	, or FAC: (A)
2	1	<u> </u>	Total Number of Dom	inant 3
3	<u> </u>		Species Across All St	rata: (B)
4	- 60	= Total Cover	Percent of Dominant	Species 67 (A/B)
Sapling/Shrub Stratum (Plot size: 15)	25	- TOTAL COVER UPL	Prevalence Index w	viksheet
1. CYTISUS SUPARIUS		X	Total % Cover of	Multiply by:
2. Vaccinium ovatum		FACU	OBL species	x 1 =
3	<u> </u>		FACW species	x 2 =
4	A lake	the second second	FAC species	x 3 =
5	37	= Total Cover	FACU species	x 4 =
Herb Stratum (Plot size:)	10	VARI	UPL species	x 5 = (D)
1. Larex sonupta		A USL		(A) (B)
2. Hypochaeris radicata	<u></u>	1424	Prevalence Inde	ex = B/A =
3	in a chain	And the first and	Hydrophytic Vegeta	tion Indicators:
5	deg Wards	the Margin while	X 2 - Dominance T	est is >50%
6	Sec. Sec.	And the second	3 - Prevalence in	$dex is \leq 3.0^1$
7.		and the grant	4 - Morphologica	Adaptations <sup>1</sup> (Provide supporting
8	<u></u>	and the second	data in Rema	rks or on a separate sheet)
9	<u> </u>	بالمحمد المساليس	5 - Wetland Non	-Vascular Plants <sup>1</sup>
10	<u></u>		Problematic Hyd	rophytic Vegetation' (Explain)
11	- 71		be present, unless di	soil and wetland hydrology must sturbed or problematic.
Woody Vine Stratum (Plot size: 5)		= I otal Cover		and a property of the
1.	a here		Hydrophytic	
2. N/A	Suber, & a.		Vegetation	X
	1. <u> </u>	= Total Cover	Present?	res <u>//</u> NO
% Bare Ground in Herb Stratum	1. S. M.	شوار به والم	In the strong of the	

C	2	I	
Э	U	L	L

Sampling Point: T17-2

Profile Desc	cription: (Describe	to the dep	th needed to docu	ment the	indicator	or confirm	n the absence of	indicators.)	
Depth (inchor)	Matrix Color (moist)	04	Color (moist)	x Feature	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remar	ks
Q 1	D. C.C	100					15		
1-0	10 VAUL	100	- the first state of the state of				1.5-		
1-8	10 18 11	- <u>q</u> a	1				1 5 -		a state of the second states o
<u>P-1P</u>	10787/1		107R 7/6				<u>Loja</u>		
	march 1 to an	<u>il an</u>		_	-		State Street	14463	and the second
		1.112				in the second	به میشد می	And a mich	<u>مەلەرمىيە كەرەپ مەلەر مەلەرمە مەلەرمە مەلەرە مەلەرە مەلەرە مەلەرە مەلەرە مەلەرە مەلەرمە مەلەرمە مەلەرمە مەلەر</u>
	M. M. Marson								C. S. Sugar
			1. 198 1. 19						
1000	1997 1998 1998 1998 1998 1998 1998 1998			1000	1110				and the second second
	oncentration D=Den	letion RM	=Reduced Matrix C	S=Covere	d or Coate	d Sand G	ains. <sup>2</sup> Locat	ion: PL=Pore Linin	g. M=Matrix.
Hydric Soil	Indicators: (Applica	able to all	LRRs, unless othe	rwise not	ted.)		Indicators	for Problematic H	ydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Redox (	S5)			2 cm M	Auck (A10)	
Histic Ep	pipedon (A2)		Stripped Matrix	(S6)			Red Pa	arent Material (TF2)	Adapt Self and red
Black Hi	istic (A3)		Loamy Mucky I	Mineral (F	1) (except	MLRA 1)	Very S	hallow Dark Surfac	e (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleyed	Matrix (F:	2)		Other	(Explain in Remarks	5)
Depleter	d Below Dark Surface	e (A11)	Depleted Matri	x (F3) urfaco (E6			<sup>3</sup> Indicators	of bydrophytic year	etation and
Sandy M	Aucky Mineral (S1)		Depleted Dark	Surface (	57)		wetland	hydrology must be	present,
Sandy C	Gleyed Matrix (S4)		Redox Depress	sions (F8)	1.1.1.1		unless o	disturbed or problem	natic.
Restrictive	Layer (if present):	- Second	and shine on the	M. Carlo	1212-2	44.27	ALC: NOT		1 S. Mar. 1
Туре:	1	at the	atterne for the				Sum have !	and second second of the	V
Depth (in	ches):	Service and	The second				Hydric Soil Pr	resent? Yes	No
HYDROLO Wetland Hyd	GY drology Indicators:		di abaali all ébaé ana	L-)			Sacard	nu Indiantero (2 or	moro roquirod)
Primary India	cators (minimum of o	ne require	d; cneck all that app	inod Loop	(PO) (a	veent	Seconda	ary indicators (2 or	
Surface	vvater (A1)		Water-Sta	1 2 4A	and 4B)	хсері	vval	IA and 4R)	(D9) (IVILRA 1, 2,
night vva	(A3)		Salt Crust	(B11)			Drai	inage Patterns (B10	o)
Water M	larks (B1)		Aquatic In	vertebrate	es (B13)		Dry-	-Season Water Tab	le (C2)
Sedimer	nt Deposits (B2)		Hydrogen	Sulfide C	dor (C1)		Sati	uration Visible on A	erial Imagery (C9)
Drift Dep	posits (B3)		Oxidized	Rhizosphe	eres along	Living Roo	ots (C3) Geo	omorphic Position (I	D2)
Algal Ma	at or Crust (B4)		Presence	of Reduc	ed Iron (C4	4)	Sha	llow Aquitard (D3)	
Iron Dep	oosits (B5)		Recent Iro	on Reduct	tion in Tille	d Soils (Ce	5) FAC	C-Neutral Test (D5)	
Surface	Soil Cracks (B6)	an nasi	Stunted o	r Stressed	d Plants (D	1) (LRR A	.) Rai	sed Ant Mounds (D	6) (LRR A)
Inundatio	on Visible on Aerial II	magery (B	7) Other (Ex	plain in R	emarks)		Fro:	st-Heave Hummoch	ks (D7)
Sparsely	Vegetated Concave	e Sunace (	88)	a second	100	and the second	1	din the	a formation of the second
Field Obser	vations:		No X Douth (	chee);					
Surface Wate	er Present? Ye	es	No X Depth (in	iches).	n ann a' Alba	3422		and the second	a surger and a
vvater Table	riesent? Yo	es	No X Depth (in	ches):	الايدان	-	and Hydrology	Brocont? Ves	No X
(includes cap	resent? resent?	es	No <u>1</u> Deput (in	iches).		- Weu	and Hydrology	Present? Tes	
Describe Re	corded Data (stream	gauge, mo	onitoring well, aerial	photos, p	revious ins	pections),	if available:		10 - 10 alt
States and		dian'	1.762.41	Sec.	i harden is	la cara di 19 Gina da Maria	Sample you when	the generation of the	and a second second
Remarks:	and a subset	an see	1	مانية المستعلمات الأكانية		- 1997 - 1997 1998 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	1.17	in a second s	
1.1.1					1.000				
	<u>.</u>			gan the	100	12.2	19 <sup>7</sup>		

WETLAND DETERMINATION	DATA FORM	4 – Western Mou	ntains, Valleys, and Coast Region
Project/Site: WESTBORD Light	5, P, (	City/County: W28	5 Port Sampling Date: 4-16-21
Applicant/Owner: State Parks			State: WA Sampling Point: SP-T/81
Investigator(s): P. Hamidi		Section, Township, Ra	inge:
Landform (billslope terrace etc.): "Trailer on	Jucal	Local relief (concave,	convex, none): Con cale Slope (%):
Subregion (I BB):	Lat:		Long: Datum:
Soil Man Linit Name: DUNE Land			NWI classification: PEMIC
	or this time of yes	ar? Yes N No	(If no explain in Remarks.)
	or uns une or yea	disturbed? Are	"Normal Circumstances" present? Yes X No
Are Vegetation, Soll, of Hydrology	significantly o	blomatic? (If ne	reded evolain any answers in Remarks )
Are vegetation, Soll, or Hydrology			
SUMMARY OF FINDINGS – Attach site n	nap showing	sampling point I	ocations, transects, important features, etc
Hydrophytic Vegetation Present? Yes	No	Is the Sampled	l Area
Hydric Soil Present? Yes X	No	within a Wetla	nd? Yes <u>X</u> No
Vetland Hydrology Present? Yes	No		
Photos 120-14, Wetlan	L T18-	wet1	
11-003 138-111	reat 19	- 1	
VEGETATION – Use scientific names of	plants.	19-1 TA	
	Absolute	Dominant Indicator	Dominance Test worksheet:
Plot size:	<u>% Cover</u>	Species? Status	Number of Dominant Species Z (A)
2	<u> </u>	<u>10C</u>	
3	and the second second		Total Number of Dominant Z (B)
4.			
15'	15	= Total Cover	That Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (Plot size: 17)			Prevalence Index worksheet:
1	and the second		Total % Cover of: Multiply by:
2	Contraction of the		OBL species x 1 =
3	<u> 1997 - 1997 - 1997</u>		FACW species x 2 =
	A. S. S. Marchel	and the first states of	FAC species x 3 =
		= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:)	1.0		UPL species         x 5 =           Column Tatala         (A)
1. Curex obruptes		V OBL	Column Totals: (A) (B)
2. JUNCUS HAICATUS		- y - Frech	Prevalence Index = B/A =
3. Myrostis Stoloniturg			Hydrophytic Vegetation Indicators:
4	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		1 - Rapid Test for Hydrophytic Vegetation
5	2010 AV4	an ser a ser i	2 - Dominance Test is >50%
7			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8.	Sec. A.	a strategy	data in Remarks or on a separate sheet)
9.		and the second second	5 - Wetland Non-Vascular Plants <sup>1</sup>
10	and the second		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
15	30	= Total Cover	be present, uniess disturbed of problematic.
vvoody Vine Stratum (Plot size:)	22 - 6		
1			Hydrophytic   Vegetation
۲	0	= Total Cover	Present? Yes _ No
% Bare Ground in Herb Stratum 75			

Ŕ.

Western Mountains, Valleys, and Coast - Version 2.0

SOIL

Sampling Point: <u>SF-J18-</u>/

(inches)						
00	Color (moist)	%	Color (moist) % Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
9)-1	2,54 4/1.4	1297	2.54 4/3 4/4 2 1	m PI	LFS	
9-10	2.54 411.5	99	2544/2 1 0	min-	1.Fr	and the second sec
1-10	<u>c/_q 11 - c</u>		<u> </u>			
						and the second
	Second Second	<u>an an a</u>			terres des des	an a
1.1						
		1.14		27.23 C		
Type: C=Co	ncentration D=De	letion RM	Reduced Matrix, CS=Covered or Coated	Sand Grai	ns. <sup>2</sup> Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators: (Applic	cable to all	LRRs, unless otherwise noted.)	1997	Indicators f	or Problematic Hydric Soils <sup>3</sup> :
Histosol (	(A1)		X Sandy Redox (S5)		2 cm Mu	uck (A10)
Histic Epi	ipedon (A2)		Stripped Matrix (S6)		Red Par	ent Material (TF2)
Black His	stic (A3)		Loamy Mucky Mineral (F1) (except	MLRA 1)	Very Sh	allow Dark Surface (TF12)
Hydroger	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Other (E	xplain in Remarks)
Depleted	Below Dark Surfac	ce (A11)	Depieted Matrix (F3)		<sup>3</sup> Indicators o	f hydrophytic vegetation and
Thick Da	In Surface (A12)		Depleted Dark Surface (F6)		wetland h	vdrology must be present,
Sandy G	lucky wineral (S1)		Redox Depressions (F8)		unless dis	sturbed or problematic.
Restrictive L	_ayer (if present):			1		
Type:		1.7.3.4		5.000	Sec. Sec. 16	
Depth (inc	ches):			Links	Hydric Soil Pres	sent? Yes <u>X</u> No
HYDROLO	GY	A STATE				
Wetland Hy	drology Indicators	s:				
Wetland Hy	drology Indicators cators (minimum of	s: one require	d; check all that apply)		Secondar	y Indicators (2 or more required)
Wetland Hy Primary India	drology Indicators cators (minimum of Water (A1)	s: one require	d; check all that apply) Water-Stained Leaves (B9) (ex	cept	<u>Secondan</u> Water	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2,
Wetland Hy Primary India Surface High Wa	drology Indicators cators (minimum of Water (A1) ater Table (A2)	s: one require	d; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B)	cept	<u>Secondan</u> Water 4A	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, a, and 4B)
Wetland Hy Primary India Surface High Wa Saturatio	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3)	s: one require	d; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	cept	<u>Secondan</u> Water <b>4A</b> Draina	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, a, and 4B) age Patterns (B10)
Wetland Hy Primary India Surface High Wa Saturatio Water M	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1)	s: one require	d; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	cept	<u>Secondan</u> Water 4A Drain: Dry-S	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, a, and 4B) age Patterns (B10) leason Water Table (C2)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimen	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)	one require	d; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Ovidieed Bbiasephases along L	cept	<u>Secondan</u> Water 4A Drain: Dry-S Satur ((3) Ceon	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, and 4B) age Patterns (B10) reason Water Table (C2) ation Visible on Aerial Imagery (C9
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)	: one require	d; check all that apply) Water-Stained Leaves (B9) (ex. MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along L Presence of Perfused Iron (C4)	cept iving Roots	<u>Secondan</u> Water Drain: Dry-S Satur (C3) ☑ Geon Shall	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) box Aquitard (D3)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	:: one require	d; check all that apply) Water-Stained Leaves (B9) (ex MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled	cept iving Roots Soils (C6)	<u>Secondan</u> Water Drain: Dry-S Satur (C3) ☑ Geom Shallo ☑ FAC-	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, a, and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	:: one require	d; check all that apply) Water-Stained Leaves (B9) (ex. MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1)	cept iving Roots Soils (C6) ) (LRR A)	<u>Secondan</u> Water 4A Drain Dry-S Satur (C3) ☑ Geon Shalla _☑ FAC- Raise	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	:: one require	d; check all that apply) Water-Stained Leaves (B9) (ex. MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 7) Other (Explain in Remarks)	cept iving Roots Soils (C6) ) (LRR A)	<u>Secondan</u> Water 4A Drain: Dry-S Satur (C3)	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concar	one require	d; check all that apply) Water-Stained Leaves (B9) (ex. MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 7) Other (Explain in Remarks) B8)	cept iving Roots Soils (C6) ) (LRR A)	Secondan Water 4A Drain Dry-S Satur (C3) ☑ Geon Shalle _☑ FAC- Raise Frost-	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Obser	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial y Vegetated Concar vations:	s: one require I Imagery (B ve Surface (	d; check all that apply) Water-Stained Leaves (B9) (ex. MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) X Oxidized Rhizospheres along L Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Stunted or Stressed Plants (D1 7) Other (Explain in Remarks) B8)	cept iving Roots Soils (C6) ) (LRR A)	<u>Secondan</u> Water 4A Drain Dry-S Satur (C3)	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observ Surface Wate	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial y Vegetated Concar vations: er Present?	:: one require I Imagery (B ve Surface ( Yes	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A)	<u>Secondan</u> Water 4A Drain: Dry-S Satur (C3) ☑ Geom Shalle FAC- Raise Frost	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bow Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observe Surface Water Table	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concar vations: er Present? Present?	:: one require I Imagery (B ve Surface ( Yes Yes	d: check all that apply)	cept iving Roots Soils (C6) ) (LRR A)	<u>Secondan</u> Water 4A Drain: Dry-S Satur (C3) ☑ Geon Shallo _☑ FAC- Raise Frost	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Surface Water Surface Water Saturation Po	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concar vations: rer Present? Present?	:: one require I Imagery (B ve Surface ( Yes Yes Yes	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A)	<u>Secondan</u> Water 4A Drain Dry-S Satur (C3) ☑ Geon Shalle Shalle FAC- Raise Frost	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) esent? Yes K No
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Surface Surface Water Surface Water Surface Water Surface Water Surface Water Saturation Pri (includes cap Describe Rec	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial y Vegetated Concar vations: rer Present? Present? pillary fringe) corded Data (strear	s: one require I Imagery (B ve Surface ( Yes Yes Yes n gauge, mo	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A) URR A)	<u>Secondan</u> Water 4A Drain: Dry-S Satur (C3) ☑ Geom Shalle Raise FAC- Raise Frost	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ted Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) esent? Yes K No
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observer Surface Water Surface Water Saturation Phe (includes cap Describe Reco	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) fon Visible on Aerial y Vegetated Concar vations: ter Present? Present? Present? pillary fringe) corded Data (stream	s: one require I Imagery (B ve Surface ( Yes Yes Yes n gauge, mo	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A) Uections), if	Secondan Water 4A Drain: Dry-S Satur Satur Shalle Shalle Shalle Shalle Shalle Shalle Shalle	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) esent? Yes <u>No</u> <u>No</u>
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Surface Water Surface Water Surface Water Saturation Pri (includes cap Describe Red	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concar vations: er Present? Present? pillary fringe) corded Data (strear	s: one require one require l Imagery (B ve Surface ( Yes Yes Yes Yes n gauge, mo	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A) Uections), if	Secondan Water 4A Drain Dry-S Satur (C3) ☑ Geon Shalle Shalle FAC- Raise Frost	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 norphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ed Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) esent? Yes <u>K</u> No
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Surface Water Surface Water Surface Water Surface Water Cincludes cap Describe Reconstruction Remarks:	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) ion Visible on Aerial y Vegetated Concar vations: ter Present? Present? Present? pillary fringe) corded Data (strear	s: one require I Imagery (B ve Surface ( Yes Yes Yes n gauge, mo	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A) Uections), if	<u>Secondan</u> Water 4A Drain: Dry-S Satur (C3) ☑ Geom Shalle FAC-1 Raise Frost	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) leason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) esent? Yes K No
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely Field Observer Surface Water Surface Water Saturation Pri (includes cap Describe Records)	drology Indicators cators (minimum of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aerial y Vegetated Concar vations: er Present? Present? Present? pillary fringe) corded Data (strear	s: one require I Imagery (B ve Surface ( Yes Yes Tes m gauge, mo	d; check all that apply)	cept iving Roots Soils (C6) ) (LRR A)  Wetlan rections), if	Secondan Water 4A Drain Dry-S Satur (C3)	y Indicators (2 or more required) -Stained Leaves (B9) (MLRA 1, 2, , and 4B) age Patterns (B10) teason Water Table (C2) ation Visible on Aerial Imagery (C9 horphic Position (D2) bw Aquitard (D3) Neutral Test (D5) ad Ant Mounds (D6) (LRR A) -Heave Hummocks (D7) esent? Yes K_ No

hiert Part l'alt	52		WitPark	4-14-21
Project/Site: WESI VORT LIGHT -	2,1, (	City/County:	WISTONF	_ Sampling Date:
Applicant/Owner: DIGTE FGFKS			State:T	_ Sampling Point:
nvestigator(s): Framidi		Section, Towns	hip, Range:	i lav t-
andform (hillslope, terrace, etc.):		Local relief (cor	ncave, convex, none):	Slope (%): _3
Subregion (LRR):	Lat:		Long:	Datum:
Soil Map Unit Name: DUNC Land	an and see the		NWI classi	fication: Upland
Are climatic / hydrologic conditions on the site typical for	this time of year	ar? Yes <u>K</u>	_ No (If no, explain in	Remarks.)
Are Vegetation, Soil, or Hydrology	_ significantly of	disturbed?	Are "Normal Circumstances"	present? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology	naturally prol	blematic?	(If needed, explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing	sampling p	oint locations, transect	s, important features, etc.
Hydrophytic Vegetation Present? Yes	No			
Hydric Soil Present? Yes	No X	Is the Sa within a	ampled Area Wetland? Yes	No K
Wetland Hydrology Present? Yes	No A	within a		
Photos 142-145 Thursday	+ 10			
	1 18	and the second		
/EGETATION – Use scientific names of p	ants.	D in the	inter Deminance Testure	-kaboot:
Tree Stratum (Plot size: <u>30</u> )	Absolute % Cover	Species? Sta	atus	Species 2
1		1.6.5	That Are OBL, FACW	(, or FAC: (A)
2			Total Number of Dom	inant 😙
3			Species Across All St	rata: (B)
4	- <u>-</u> _		Percent of Dominant	Species
Sapling/Shrub Stratum (Plot size: 15)	-0	= Total Cover	That Are OBL, FACW	/, or FAC: (A/B)
1. Pinus conterts	5_	F	AC Prevalence Index w	orksheet:
2. Cyticus Scoperivs	20	Y U	PL OPL anasias	
3		<u> </u>	EACW species	x 1 = x 2 =
4			FAC species	x3=
5			FACU species	x 4 =
Herb Stratum (Plot size: 5')	05	= Total Cover	UPL species	x 5 =
1 Ammophole aringria	80	Y FA	Column Totals:	(A) (B)
2. Carex obnueta	5	0	BL Prevalence Inde	$a_{\rm M} = B/\Delta =$
3. Holcus langtus	5	F	AC Hydrophytic Vegeta	tion Indicators:
4	Sec. 2	1. 1997 10	1 - Rapid Test for	r Hydrophytic Vegetation
5	194 Jan 194		2 - Dominance T	est is >50%
6		<u></u>	3 - Prevalence In	dex is ≤3.0 <sup>1</sup>
7			4 - Morphologica	Adaptations <sup>1</sup> (Provide supporting
8	<u></u>	<u></u>	data in Rema	rks or on a separate sheet)
9		201000	D - vvetiand Non-     Droblomatic Liver	vascular Mants
10			Froblematic Hydrig	oil and wetland bydrology must
11	90	= Total Cover	be present, unless di	sturbed or problematic.
Woody Vine Stratum (Plot size: 15')				
1		1	Hydrophytic	
2			Present?	resNoX
Ĺ,	_0_	= Total Cover		
% Bare Ground in Herb Stratum	1 1 1 1 1 1 H		· · · · · · · · · · · · · · · · · · ·	

SOIL

# Sampling Point: <u>5P-7/8--</u>2

Depth Matrix	Redox Features	
(inches) Color (moist)%	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture Remarks
0-5 104R 3/2 10	0 2	LFS
5-18 loug 4/2 90	7 104R4/31 C M	LES
		- And the second s
		the second s
<sup>1</sup> Type: C=Concentration D=Depletion Bi	M=Reduced Matrix_CS=Covered or Coated Sand G	erains <sup>2</sup> Location: PL=Pore Lining M=Matrix
Hydric Soil Indicators: (Applicable to a	II LRRs. unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> 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):		2. 같은 것 같은
Туре:	<u> 이상 전</u> 에서 가장 것은 것 같아요. 한 것 같아. 한 ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?	N N
Depth (inches):		Hydric Soil Present? Yes NoX
HYDROLOGY		
HYDROLOGY Wetland Hydrology Indicators:		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi	red; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1)	red; check all that apply) Water-Stained Leaves (B9) (except	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> <u> </u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3)	red; check all that apply) 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 requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	<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)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> </ul>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	red; check all that apply) 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 Rom	<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 ots (C3) Geomorphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi 	red; check all that apply) 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 Rom Presence of Reduced Iron (C4)	<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 ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply) 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 (C4)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 obts (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> </ul>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi 	red; check all that apply) 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 Rom Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C4) Stunted or Stressed Plants (D1) (LRR A)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requi 	red; check all that apply) 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 (C4) Stunted or Stressed Plants (D1) (LRR A B7) Other (Explain in Remarks)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of one requi  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery ( Sparsely Vegetated Concave Surface Eicld Observations:	red; check all that apply)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 obts (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9 ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	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) G) FAC-Neutral Test (D5) C) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	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) Shallow Aquitard (D3) FAC-Neutral Test (D5) A Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Mand Hydrology Present? Yes No X
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	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) 5) FAC-Neutral Test (D5) Arrived Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Mand Hydrology Present? Yes No ///////////////////////////////////
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	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) Shallow Aquitard (D3) FAC-Neutral Test (D5) A Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Mand Hydrology Present? Yes No If available:
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requingle in the second of	red; check all that apply)	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) Shallow Aquitard (D3) Shallow Aquitard (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	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) S) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requi	red; check all that apply)	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) S) FAC-Neutral Test (D5) C Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

#### WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region Sampling Date: 4/15/ City/County: Westport Project/Site: West por State: 4 A Sampling Point: 1 State Applicant/Owner. 4/ Investigator(s): et. 20 Section, Township, Range: Landform (hillslope, terrace, etc.): later d Slope (%): Local relief (concave, convex, none): \_\_\_\_ nal Datum: \_\_ Long: Subregion (LRR): Lat: PSSC DUNE لرعا NWI classification: Soil Map Unit Name: (If no, explain in Remarks.) Are climatic / hydrologic conditions on the site typical for this time of year? Yes No Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? // Are "Normal Circumstances" present? Yes Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, 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. Hydrophytic Vegetation Present? Yes No Is the Sampled Area Hydric Soil Present? Yes No No within a Wetland? Wetland Hydrology Present? Yes No Remarks: Photos 975-7 VEGETATION - Use scientific names of plants. **Dominance Test worksheet:** Absolute Dominant Indicator Tree Stratum (Plot size: % Cover Species? Status Number of Dominant Species Pinus contorto 5 × FA That Are OBL, FACW, or FAC: (A) 1 rubra Alous FAC 2 Total Number of Dominant 5 Picca (B) 3 Species Across All Strata: Percent of Dominant Species 10 100 = Total Cover That Are OBL, FACW, or FAC: (A/B) 15 Sapling/Shrub Stratum (Plot size: Prevalence Index worksheet: 30 FACH Salix hookeriana Total % Cover of: Multiply by: 20 X FACH 2 morelly californica OBL species x 1 = 3. FACW species x 2 = 4. FAC species x 3 = 5. FACU species x 4 = 50 = Total Cover 5 UPL species x 5 = Herb Stratum (Plot size: 100 OBL Column Totals: (A) (B) 1. Casex Bonupta 2. Prevalence Index = B/A = 3. Hydrophytic Vegetation Indicators: 4 1 - Rapid Test for Hydrophytic Vegetation 5 X 2 - Dominance Test is >50% 6. 3 - Prevalence Index is ≤3.01 7. \_\_\_\_ 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 8. \_ 5 - Wetland Non-Vascular Plants<sup>1</sup> 9 Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 11. be present, unless disturbed or problematic. (DD = Total Cover Woody Vine Stratum (Plot size: Hydrophytic Vegetation Yes X No \_\_\_\_ 2. Present? = Total Cover D % Bare Ground in Herb Stratum Remarks:

0	~		
Э	υ	I	L
_	_	-	_

T19-1

Frome Desc	conplion: (Describe to	the dep	in needed to docur	nent the	maicator	or comm	in the ab	sence of f	naroator <i>a.j</i>
Depth	Matrix Color (moint)	0/	Redo	x Feature	<del>S</del>	12	Tav		Pomarke
	ATES	-70		<u>%</u>	Type	LOC			Reliains
0-5	+++++++++++++++++++++++++++++++++++++++	99	104R3/3	1	(	M	Lo-	9	a later barren a barrent
5-18	2.544/1	97	10YR 3/6	2	C	~	Los	69	
1.1.0	300	Suche	104R 4/6	1	C	M		56	Kitter and
16-18	2.57 4/1	85	10YR 3/6	15	٢	M	Los	9	and the second second
<sup>1</sup> Type: C=C	oncentration, D=Deple	tion, RM	=Reduced Matrix, C	S=Covere	d or Coate	ed Sand G	Grains.	<sup>2</sup> Locatio	n: PL=Pore Lining, M=Matrix.
<ul> <li>Histosol</li> <li>Histic El</li> <li>Black Hi</li> <li>Hydroge</li> <li>Deplete</li> <li>Thick Da</li> <li>Sandy M</li> <li>Sandy C</li> </ul>	I (A1) pipedon (A2) istic (A3) en Sulfide (A4) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4)	(A11)	Sandy Redox ( Stripped Matrix Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark SL Depleted Dark Redox Depress	S5) (S6) Mineral (F Matrix (F) x (F3) Irface (F6 Surface ( sions (F8)	:1) (excep 2) ) F7)	t MLRA 1		2 cm Mu Red Par Very Sh Other (E ndicators o wetland h unless dis	ick (A10) rent Material (TF2) allow Dark Surface (TF12) explain in Remarks) f hydrophytic vegetation and hydrology must be present, sturbed or problematic.
Restrictive	Layer (if present):		1. 19 1. 19 19 19		12 m 1	18-14-5	1	1. 19	
Type:	ahaa);						1 des	Coll Des	
Depth (in	icnes).			2.2	272.00		Hyar	ic Soli Pre	
IYDROLO	OGY								
Wetland Hy	drology Indicators:	S. S. 13	and states to a	le die	and the second	ales a second	S. Carlo	and the	Mark Market
Primary India	cators (minimum of on	e require	d; check all that app	ly)	1-1-12		<u></u>	Secondar	y Indicators (2 or more required)
Surface	Water (A1)		Water-Sta	ined Leav	/es (B9) (e	except		Wate	r-Stained Leaves (B9) (MLRA 1, 2
- High Wa	ater Table (A2)		MLRA	1, 2, 4A,	and 4B)			44	, and 4B)
- Saturati	on (A3)		Salt Crust	(B11)				Drain	age Patterns (B10)
Water N	Aarks (B1)		Aquatic In	vertebrat	es (B13)			Dry-S	eason Water Table (C2)
Sedime	nt Deposits (B2)		Hydrogen	Sulfide C	dor (C1)			Satur	ation Visible on Aerial Imagery (C
Drift De	posits (B3)		Oxidized	Rhizosphe	eres along	Living Ro	ots (C3)	Geon	norphic Position (D2)
Algal Ma	at or Crust (B4)		Presence	of Reduc	ed Iron (C	4)		Shall	ow Aquitard (D3)
Iron Dep	posits (B5)		Recent Irc	on Reduct	tion in Tille	d Soils (C	(6)	X FAC-	Neutral Test (D5)

Stunted or Stressed Plants (D1) (LRR A)

X Other (Explain in Remarks)

Depth (inches):

Depth (inches):

Depth (inches):

- Iron Deposits (B5)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)
- Field Observations: Surface Water Present? Yes Yes

Water Table Present? Saturation Present?

(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

No

No

No

Yes

Remarks:

water table/saturation known to be several inches higher preaslier in the growing season.

Raised Ant Mounds (D6) (LRR A)

No

Frost-Heave Hummocks (D7)

Wetland Hydrology Present? Yes X

# WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys, and Coast Region

Project/Site: 418 ST A+1+		(ity/Pounty	we	STOOTT S	ampling Date: 4/15/21
Applicant/Owner b. A State Park	5	on your our of		State WA Sa	Impling Point: $T/9-2$
prostigator(a); R Fletcher		Section To	wnehin Ra	Otale Ota	
rivestigator(s): 10 - ( 12   2 - 12 - 12	5	Jection, To		nige.	Slana (P())
A A A A A A A A A A A A A A A A A A A	·	Local relief	(concave,	convex, none).	Slope (%)
Subregion (LRR): /	Lat:	and the second		_ Long:	
Soil Map Unit Name:			<u>×</u> (	NWI classification	in: Ur lavol
Are climatic / hydrologic conditions on the site typical for	this time of year	ar? Yes	Y No_	(If no, explain in Rem	arks.)
Are Vegetation, Soil, or Hydrology	significantly	disturbed?	∧⁄ Are	"Normal Circumstances" pres	ent? Yes <u>X</u> No
Are Vegetation, Soil, or Hydrology	naturally pro	blematic?	N (If n	eeded, explain any answers in	n Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing	samplin	g point l	locations, transects, ir	nportant features, etc.
Hydrophytic Vegetation Brosent? Yes	No				and the second second
Hydric Soil Present? Yes	No X	Is th	e Sampleo	1 Area	$\sim$
Wetland Hydrology Present? Yes	NoX	with	in a Wetla	nd? Yes	No <u>X</u>
Remarks:	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	BALL AND A	gar Mer 1	10. 19. 1	Contract page 1 and 5 and
Photos 978-9			1.2.5		
VEGETATION – Use scientific names of pl	lants.				1 N - 6 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
30-	Absolute	Dominant	Indicator	Dominance Test workshe	et:
Tree Stratum (Plot size:)	<u>% Cover</u>	Species?	EA(	Number of Dominant Spec	ies 3 (A)
1. The contents	<u>- 40</u>	<u>. A.</u>	EA(	I hat Are Obl, FACVV, or F	AC (A)
2. TICED SITCHER JIS	The set of second	1. 2. 1. A.	FIL	Total Number of Dominant	5 (B)
		12.5	11111	Species Across Air Strata.	(0)
*	45	= Total Co	ver	Percent of Dominant Speci	es $60$ (A/B)
Sapling/Shrub Stratum (Plot size:)			<u> </u>	Prevalence Index worksh	AC (AD)
1. Morella californica	.10	<u>X</u>	YACW.	Total % Cover of	Multiply by:
2. ICYTISUS Scoparius	5	<u></u>	FACU	OBL species	x 1 =
3. Vaccinium ovatum	10	<u>X</u>	FACY	FACW species	x 2 =
4			يستبكنون	FAC species	x 3 =
5	7.		<u> (1997) (1997) (1997)</u>	FACU species	x 4 =
Herb Stratum (Plot size: 5)	- 4.)	= Total Co	ver	UPL species	x 5 =
1 Carey sharpta	25	X	OBL	Column Totals:	(A)(B)
2	Set	hairdo	tito in	Prevalence Index = 1	R/Δ =
3.	aeta Al China	And	1.1	Hydrophytic Vegetation I	ndicators:
4.	1.1.1.1.1.1	1. 199. 24	5 6 de 3 - 1	1 - Rapid Test for Hyd	rophytic Vegetation
5	1 月4 中国	1. 1.	1000	2 - Dominance Test is	>50%
6	12 12 12	10-10-10-10	1000	3 - Prevalence Index is	s ≤3.0 <sup>1</sup>
7	Letting to		1. 18 S. 19 S.	4 - Morphological Ada	ptations <sup>1</sup> (Provide supporting
8	<u>. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.</u>			data in Remarks or	on a separate sheet)
9	<u></u>	19. Sec	A Contraction	5 - Wetland Non-Vasc	ular Plants
10	<u></u>		1. Julie and	Problematic Hydrophy	tic vegetation (Explain)
11		and the second		be present, unless disturbe	d or problematic.
Woody Vine Stratum (Plot size: 5 -	<u>a</u> 2	= Total Cov	ver		
				Hydrophytic	
2		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	a dana	Vegetation	V
		= Total Cov	ver	Present? Yes_	<u>∧No</u>
% Bare Ground in Herb Stratum			151 141		1
Remarks:					
MOSS= 30%					
2 Super Street and Street August and Street					

Sampling Point: T19-2

Depth Matrix	Redox Features	<u>-</u>	
(inches) Color (moist) %	Color (moist) % Type <sup>1</sup> Loc <sup>2</sup>	Texture	Remarks
2- 2.574/2 100			
0-20 2.544/2 100		Losa	
	·	1	
frankright i hit warne and			- <u> </u>
and the second			and the second
	and the second		
	A STATE OF THE STA		
		and the second s	and the second sec
Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated Sand	Grains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to a	II LKRS, unless otherwise noted.)	Indicato	ors for Problematic Hydric Solis :
_ Histosol (A1)	Sandy Redox (S5)	2 cr	m Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)	Rec	Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except MLRA	1) Ver	y Shallow Dark Surface (TFT2)
Hydrogen Suilide (A4) Depleted Below Dark Surface (A11)	Loamy Gleyed Matrix (F2)	Oth	er (Explain in Remarks)
Thick Dark Surface (A12)	Depieted Matrix (F3) Redox Dark Surface (F6)	3Indicate	ore of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	neuox Dark Surface (FO) Depleted Dark Surface (F7)	indicato	and hydrology must be present
Sandy Gleved Matrix (S4)	Reday Depressions (FR)	wella	and hydrology must be present,
Restrictive Layer (if present):	110000 Depressions (1 0)		s distance of problematic.
Type:		1000	A Constant State
Depth (inches):		Undein Call	Breast 2 Vac No X
Depth (inches).		Hydric Soli	
Pemarks:			
Remarks: YDROLOGY Vetland Hydrology Indicators:			
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir	ed; check all that apply)	Seco	ndary Indicators (2 or more required)
Remarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1)	red; check all that apply) Water-Stained Leaves (B9) (except	<u>Seco</u>	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2
Permarks: YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requir _ Surface Water (A1) High Water Table (A2)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Seco</u> V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A. and 4B)
YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	<u>Seco</u> V	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
YDROLOGY YUROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requin Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	<u>Seco</u> r V C	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Vertland Hydrology Indicators: Trimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	red; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hvdrogen Sulfide Odor (C1)	<u>Seco</u> V C C	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C6
Vernarks: YDROLOGY Vetland Hydrology Indicators: Trimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	red; check all that apply) 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 R	<u>Seco</u> V C C C S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seconombic Position (D2)
YDROLOGY         Yetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)	red; check all that apply) 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 R Presence of Reduced Iron (C4)	<u>Seco</u> V C C S oots (C3) C	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3)
YDROLOGY         YUROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) 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 R Presence of Reduced Iron (C4) Recent Iron Peduction in Tilled Soils (	<u>Secon</u> V V C C S oots (C3) S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3)
YDROLOGY         Yetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) — 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 R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils ( Sturted or Streeged Plante (D1) (J PR	Secon V C C C S oots (C3) C S cots (C3) S	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) 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 R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils ( Stunted or Stressed Plants (D1) (LRR	Secon V C C C S oots (C3) C S C6) F A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) 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 R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils ( Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks)	Secon V C C C S oots (C3) C S C6) F A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requing a 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 (Concave Surface)	red; check all that apply) — 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 R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils ( — Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks) e (B8)	<u>Secon</u> V C C C S oots (C3) C S C6) F A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) — 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 R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils ( — Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks) a (B8)	<u>Secon</u> V C C S oots (C3) C S C6) F A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) — 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 R — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils ( — Stunted or Stressed Plants (D1) (LRR (B7) — Other (Explain in Remarks) e (B8)	<u>Secon</u> V C C C S oots (C3) C S C6) F A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) 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 R Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils ( Stunted or Stressed Plants (D1) (LRR (B7) Other (Explain in Remarks) (B8) No X Depth (inches):	Secon V C C S oots (C3) S C6) F A) F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply)	Secon V C C S oots (C3) S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply)	Secon V C C C S oots (C3) C S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red; check all that apply)	Secon V C C C S S Coots (C3) S S C6) F A) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red; check all that apply)	Secon V C C S oots (C3) S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (CS Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply)	Secon V C C C S coots (C3) C S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (Saturation Present? Yes	red; check all that apply)	Secon V C C S oots (C3) C S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?         Yes         Saturation Present?         Yes         Cincludes capillary fringe)         Describe Recorded Data (stream gauge, point)         Remarks:         Dry         Application	red; check all that apply)	Secon V C C S oots (C3) C S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C3 Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         2rimary Indicators (minimum of one requir	red; check all that apply)	Secon V C C C S oots (C3) C S C6) F A) F F	ndary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (Cl Seomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

WETLAND DETERMINATION D	ATA FORM -	Western Mou	Intains, Valleys, and 4 and 4	nd Coast Region 4-28-2
pleast and State Party	City/	County:	rosv	Sampling Date: SP-T20
astigator(a) P 11 m 1 - C			State: WA	_ Sampling Point:
dom (hillolog to the last last days	Sect	ion, Township, Ra	inge:	C-112 Class (9/): 1
aregion (I PP):	Loc	al relier (concave,	convex, none):	Dotum:
Man Unit Name: Dune Land				Fration: PFOISS B
climatic / hydrologic conditions on the site typical for t	his time of year?	Var No		Remarke )
Vegetation Soil or Hydrology	significantly diet	irbed? Are	"Normal Circumstances	"nresent? Yes X No
Vegetation Soil or Hydrology	naturally problem	natic? (If n	eeded explain any ansy	vers in Remarks.)
				important fostures atc.
Attach site maj	p snowing sa	mpling point i	ocations, transect	ts, important leatures, etc.
varophytic Vegetation Present? Yes	No No No	Is the Sampled within a Wetlan	l Area nd? Yes	K_ No
Photos 277-220	precip	4		
GETATION – Use scientific names of pla	ants.	1.19.19	1953.	19
ee Stratum (Plot size: 30')	Absolute Do	minant Indicator	Dominance Test wo	rksheet:
PINUS CONTORTY	50	FAC	That Are OBL, FACW	Species (A)
			Total Number of Dom	inant //
			Species Across All St	rata: (B)
	- M2	Cotal Cover	Percent of Dominant	Species Im
oling/Shrub Stratum (Plot size: 15)	100-1		Prevalence Index w	A/B)
Alvos Vobra	- 15 -	Y FIL	Total % Cover of	Multiply by:
Salix indexiand	10	- FACI	OBL species	x 1 =
Set In Helent		101012	FACW species	×2=
			FAC species	x 3 =
th Stratum (Blat aire) 5'	<u> </u>	otal Cover	UPL species	x4= x5=
Caver obnoots	70	1 OBL	Column Totals:	(A) (B)
		5	Prevalence Inde	PX = B/A =
			Hydrophytic Vegeta	tion Indicators:
			1 - Rapid Test fo	r Hydrophytic Vegetation
			2 - Dominance T	est is >50%
			3 - Prevalence In	ndex is ≤3.0'
	-		data in Rema	rks or on a separate sheet)
	<u></u> A	1.	5 - Wetland Non	-Vascular Plants <sup>1</sup>
÷		<u></u>	Problematic Hyd	rophytic Vegetation <sup>1</sup> (Explain)
·			be present, unless di	soil and wetland hydrology must sturbed or problematic.
pody Vine Stratum (Plot size: 15')	= T	otal Cover		×
			Hydrophytic	
	0 = T	otal Cover	Present?	Yes_X No
Bare Ground in Herb Stratum		Jar Gover		
emarks:				

1.14

.

SOIL

Sampling Point: SP-720-1

<b>6-10</b> 10-18	VALUE HUDISH	0/	Color (moint)	o/	Tunal	1002	Texture	Remarks
0-6 6-10 10-18	o o lor (molocy			- %	Type.	LOC	1 dd pur	Inciliaina
6-10	7 54 412	90	7.54 4/4	2	-		1.80	
10-18	2019	= 10	2139 414	0			LFS_	
10-10	2.59911	1/1	2,59 414	3	<u>_C</u>	<u></u>	LFS_	
	2,5451	1 80	6.54 5/4	20	C	<u>M</u>	LFS_	
		_	1/9	_	_	$\equiv$		
ype: C=Cor	ncentration, D=De	pletion, RM	=Reduced Matrix, CS	=Covered	or Coate	ed Sand Grai	ins. <sup>2</sup> Location	PL=Pore Lining, M=Matrix.
Histosol (			Sandy Deday /S	wise note	ia.)		2 cm Muc	k (A10)
<ul> <li>Histosof (7</li> <li>Histic Epip</li> <li>Black Hist</li> <li>Hydrogen</li> <li>Depleted</li> </ul>	pedon (A2) tic (A3) Sulfide (A4) Below Dark Surfa	ce (A11)	<ul> <li>Stripped Matrix</li> <li>Loamy Mucky M</li> <li>Loamy Gleyed M</li> <li>Depleted Matrix</li> </ul>	(S6) lineral (F1 Aatrix (F2) (F3)	) (excep	t MLRA 1)	Red Pare Very Shal Other (Ex	nt Material (TF2) Iow Dark Surface (TF12) plain in Remarks)
Thick Dark Sandy Mu Sandy Global	k Surface (A12) ucky Mineral (S1) eved Matrix (S4)		Redox Dark Sur Depleted Dark Sur Redox Depression	face (F6) Surface (F ons (F8)	7)		<sup>3</sup> Indicators of l wetland hy unless dist	hydrophytic vegetation and drology must be present, urbed or problematic.
estrictive La	ayer (if present):							
Туре:			2.000					
Depth (inch	nes):						Hydric Soil Pres	ent? Yes K No
emarks:								
letland Hydr	rology Indicators ators (minimum of	: one require	d; check all that apply	0			Secondary	Indicators (2 or more required)
_ Surface V _ High Wate	Vater (A1) er Table (A2)		Water-Stai	ned Leave 1, 2, 4A, a	es (B9) (e nd 4B)	except	Water-	Stained Leaves (B9) (MLRA 1, 2, and 4B)
_ Saturation	n (A3)		Salt Crust	(B11)			Drainag	ge Patterns (B10)
_ Water Ma	irks (B1)		Aquatic Inv	ertebrates	s (B13)		Dry-Se	ason Water Table (C2)
_ Sediment	Deposits (B2)		Hydrogen : Ovidized R	bizosober		Living Poots	Satural	Ion Visible on Aerial Imagery (C9
_ Dhit Dept	or Crust (B4)		Presence of	of Reduce	d Iron (Ca	4)	Shallow	Aquitard (D3)
Iron Denc	osits (B5)		Recent Iron	n Reductio	on in Tille	d Soils (C6)	J FAC-N	eutral Test (D5)
I UII DEDU	oil Cracks (B6)		Stunted or	Stressed	Plants (D	1) (LRR A)	Raised	Ant Mounds (D6) (LRR A)
_ Surface S	n Visible on Aerial	Imagery (B	37) Other (Exp	lain in Rei	marks)		Frost-H	leave Hummocks (D7)
_ Surface S			(D0)					
_ Surface S _ Inundation _ Sparsely	Vegetated Concav	ve Surface	(60)					
_ Surface S _ Inundation _ Sparsely V eld Observa	Vegetated Concav ations:	ve Surface	(60)				100	
Surface S Inundation Sparsely eld Observa	Vegetated Concav ations: r Present?	Yes	No $\underline{+}$ Depth (inc	:hes):		_		
Surface S Inundation Sparsely ' eld Observa urface Water fater Table P	Vegetated Concav ations: r Present?	Yes Yes	No $+$ Depth (inc No $+$ Depth (inc	ches): ches):		=		
Surface S Inundation Sparsely ield Observation urface Water vater Table P aturation Pre ncludes capil	Vegetated Concav ations: r Present? Present? esent? llary fringe)	Yes Yes Yes Yes	No $\underbrace{+}$ Depth (inc No $\underbrace{+}$ Depth (inc No $\underbrace{+}$ Depth (inc	ches): ches): ches):		Wetlar	nd Hydrology Pre	sent? Yes <u>X</u> No
Surface S Surface S Inundation Sparsely ield Observa iurface Water Vater Table P iaturation Pre ncludes capil iescribe Reco	Vegetated Concav ations: r Present? Present? esent? llary fringe) orded Data (strear	Yes Yes Yes Yes n gauge, m	No <u>+</u> Depth (inc No <u>+</u> Depth (inc No <u>+</u> Depth (inc onitoring well, aerial p	ches): ches): ches): chotos, pre	evious ins	Wetlar	nd Hydrology Pre available:	sent? Yes X No
Surface S Inundation Sparsely V ield Observation Surface Water Vater Table P iaturation Pre ncludes capil bescribe Reco	Vegetated Concav ations: r Present? Present? esent? Bary fringe) orded Data (strear	Yes Yes Yes n gauge, m	No <u>+</u> Depth (inc No <u>+</u> Depth (inc No <u>+</u> Depth (inc onitoring well, aerial p	ches): ches): ches): chotos, pre	evious ins	Wetlar pections), if	nd Hydrology Pre available:	sent? Yes <u>X</u> No
Surface S Inundation Sparsely <sup>1</sup> ield Observe Surface Water Vater Table P iaturation Pre ncludes capil bescribe Reco	Vegetated Concav ations: r Present? Present? esent? llary fringe) orded Data (strear	Yes Yes Yes n gauge, m	No <u>+</u> Depth (inc No <u>+</u> Depth (inc No <u>+</u> Depth (inc onitoring well, aerial p	ches): ches): ches): chotos, pre	evious ins	Wetlar	nd Hydrology Pre available:	sent? Yes X No
Surface S Inundation Sparsely ield Observa urface Water /ater Table P aturation Pre ncludes capil escribe Reco emarks:	Vegetated Concav ations: r Present? Present? esent? esent? ilary fringe) orded Data (strear	Yes Yes Yes n gauge, m	No <u>+</u> Depth (inc No <u>+</u> Depth (inc No <u>+</u> Depth (inc onitoring well, aerial p	ches): ches): ches): chotos, pre	evious ins	Wetlar Bepections), if	nd Hydrology Pre available:	sent? Yes <u>X</u> No

Project/Site: WESTROTT Light S.F	·(	City/County	: West	Sampling Date: 1-28-0
pplicant/Owner: State Parts				State: WA Sampling Point: SP- 10
nvestigator(s): P, Hamidi	8	Section, To	wnship, Rai	nge:
andform (hillslope, terrace, etc.):	100	Local relief	(concave, o	convex, none): Slope (%):
ubregion (LRR):	Lat:			Long: Datum:
ioil Map Unit Name: Udor thents, Les	Jel			NWI classification: UPland
re climatic / hydrologic conditions on the site typical for this	time of yea	r? Yes	No	K (If no, explain in Remarks.)
re Vegetation, Soil, or Hydrologysi	gnificantly o	disturbed?	Are "	Normal Circumstances" present? Yes K. No
re Vegetation, Soil, or Hydrology na	aturally prot	plematic?	(If ne	eded, explain any answers in Remarks.)
UMMARY OF FINDINGS - Attach site man	houing			antiona transacta important fasturas atc
Hidenbuls Visiterin D	snowing	samplin	g point id	ocations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	X	Is th	e Sampled	Area
Wetland Hydrology Present? Yes No	7	with	in a Wetlan	107 Yes No X
Remarks: hal a Alan a Alan a Court	-	-		
below worman free,	4.			
PROPOS 231-233		_		
EGETATION – Use scientific names of plant	s.			
Statute (Distator 30'	Absolute	Dominant	Indicator	Dominance Test worksheet:
Pious Cash yt	% Cover	Species?	Status	Number of Dominant Species 2
			THE	That Are OBL, FACVV, or FAC: (A)
				Total Number of Dominant
				Species Across All Strata (D)
101	65	= Total Co	ver	Percent of Dominant Species 33 (A/B)
Sapling/Shrub Stratum (Plot size: 13)	110	V	1101	Prevalence Index worksheet:
CYFISUS SCORASIUS	40	1	EAU	Total % Cover of: Multiply by:
2. Vaccinium Duatum			THEO	OBL species x 1 =
				FACW species x 2 =
				FAC species x 3 =
	42	= Total Co	ver	FACU species x 4 =
Herb Stratum (Plot size: 5')		.1		UPL species x 5 =
Anthoxanthum odoratum	10	4-	FACU	Column Totals: (A) (B)
Hypocharis radicata	10	-1-	FACU	Prevalence Index = B/A =
Ammophile averlating	10	7	FIXO	Hydrophytic Vegetation Indicators:
JONCOS SPI	<u> </u>			1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
n				3 - Prevalence Index is ≤3.0'
		_		4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
				5 - Wetland Non-Vascular Plants <sup>1</sup>
10			1	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
اس	32 :	= Total Cov	rer	be present, unless disturbed or problematic.
Noody Vine Stratum (Plot size: 15)	1-	V	EA.	
LAUDUS ULTREPIGCUS	15	¥	TAC	Hydrophytic
2	11	Table		Present? Yes No K
% Bare Ground in Herb StratumO	12	= I otal Cov	er	
				the second se

SOIL

Sampling Point: 59-720-2

Profile Description: (Describe to the de	pth needed to document the	indicator or confir	m the absence of indicators.)
Depth <u>Matrix</u> (inches) Color (moist) %	Color (moist) %	Type <sup>1</sup> Loc <sup>2</sup>	- Texture Remarks
7 60			
0-8 104R 4/2 90	TOUR Y/2 1	C M	1 Br
8-18 254412 95	254413 5	C M	$-\frac{1}{1.Fx}$
010 011 12			
			· · · · · · · · · · · · · · · · · · ·
17			
Type: C=Concentration, D=Depletion, RN Hydric Soil Indicators: (Applicable to al	I=Reduced Matrix, CS=Covere	d or Coated Sand (	Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
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 (F	1) (except MLRA 1	1) Very Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed Matrix (F:	2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)		
Thick Dark Surface (A12)	Redox Dark Surface (F6	)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Surface (	F7)	wetland hydrology must be present,
Restrictive Laver (if present):	Redox Depressions (F8)		unless disturbed or problematic.
Type:			
Depth (inches):			Hydric Soil Present? Yes No X
Remarks:			
HYDROLOGY	1		
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 Leav	ves (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 Invertebrate	es (B13)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Hydrogen Sulfide C	dor (C1)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Oxidized Rhizosphe	eres along Living Ro	oots (C3) Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduc	ed Iron (C4)	Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduct	tion in Tilled Soils (C	C6) FAC-Neutral Test (D5)
Surface Soil Cracks (Bo)	Stunted or Stressed	a Plants (D1) (LRR	A) Raised Ant Mounds (D6) (LRR A)
Sparsely Vegetated Concave Surface	(B8)	emarks)	Frost-Heave Hummocks (D7)
Field Observations:			
Surface Water Present? Yes	No K Depth (inches):		
Water Table Present? Yes	No K Depth (inches):		
Saturation Present? Yes	No Depth (inches):	We	tland Hydrology Present? Yes No K
Describe Recorded Data (stream gauge, n	nonitoring well, aerial photos, p	revious inspections	), if available:
Demarke:		5	And the second
nenalks.			

WETLAND DETERMINATION DA	ATA FORM	– Wester	n Mour	ntains, Valleys, ar	d Coast R	egion	
Project/site: West Part Light S.P.	c	ity/County:	West	fort	_ Sampling D	ate: 4-2	29-21
Applicant/Owner: Statz Parks			526	State: WA	Sampling P	oint: SP-1	-157
Investigator(s): P. Hamidi	S	ection, Town	ship, Ran	ge:			1.20
andform (hillslone terrace etc.): Interdure	1	ocal relief (co	oncave, c	onvex. none); Con	Call	Slope (%)	. /
Subragian (I BB):	Lat.			Long:		Datum:	
Soil Man Unit Name DuNE 10 AL		100		NIM classif	ication: P	EMC	
Soli Map Onit Name:	In Name of Long	-2 Vaa	No		Bomarke )	_	
Are climatic / hydrologic conditions on the site typical for the	is time of year	r res	_ NO		Nellidiks./	N	10
Are Vegetation, Soil, or Hydrology	significantly d	isturbed?	Are T	Normal Circumstances	present? re	5 <u>F.</u> "	
Are Vegetation, Soil, or Hydrology	naturally prob	lematic?	(If nee	eded, explain any answ	ers in Remark	s.)	
SUMMARY OF FINDINGS – Attach site map	showing	sampling	point lo	cations, transect	s, importa	nt feature	es, etc.
Hydrophytic Vegetation Present?       Yes       N         Hydric Soil Present?       Yes       N         Wetland Hydrology Present?       Yes       N	No No No	Is the S within a	Sampled . a Wetland	Area d? Yes_D	( No	<u>.</u>	
Remarks: below Normal Pr Photos 234-236	rec;p.						44
VEGETATION – Use scientific names of plan	nts.					4	
Tran Stratum (Plataina) 30'	Absolute	Dominant In	dicator	Dominance Test wor	ksheet:		
Thee Stratum (Plot size:)	76 Cover	opeciesr		Number of Dominant	Species or FAC	2	(A)
2						1.1	
3.				Total Number of Domi Species Across All Str	nant ata:	2	(B)
4.				Specific Combined		S. Martin	
171	0	= Total Cover	_	That Are OBL, FACW	or FAC:	100	(A/B)
Sapling/Shrub Stratum (Plot size: 15)	10	VI	Ant	Prevalence Index wo	rksheet:		
1. SP/ 629 0.005/45/	- 10	<u> </u>	ACIU	Total % Cover of:	M	lultiply by:	_
2. Salik hosteriana		-F	CAC	OBL species	x 1 =		2.1
3. PINUS PODYA			<u></u>	FACW species	x 2 =		_
4			-	FAC species	x 3 =		-
5	14	= Total Cover	-	FACU species	x4=		2
Herb Stratum (Plot size:)	-	1 .		UPL species	x 5 =		-
1. Caver Obnupta	- 40	1_0	<u>ISL</u>	Column Totals:	(A)		_ (B)
2. Potentilla anserina			BL	Prevalence Inde	x = B/A =	_	_
3		-		Hydrophytic Vegetat	ion Indicator	s:	1.00
4				1 - Rapid Test for	Hydrophytic \	/egetation	
5		-	)	X 2 - Dominance Te	est is >50%		
6				3 - Prevalence In	dex is $\leq 3.0^{1}$		
7				4 - Morphological	Adaptations'	(Provide sup arate sheet	porting
8				5 - Wetland Non-	Vascular Plan	ts <sup>1</sup>	
9				Problematic Hydr	ophytic Veget	ation <sup>1</sup> (Expla	ain)
10				<sup>1</sup> Indicators of hydric s	oil and wetland	d hydrology	must
	017	Total Cover		be present, unless dis	turbed or prot	plematic.	
Woody Vine Stratum (Plot size: 15)		rotar oover					
1. RUDUS armeniacus	3	1	AC	Hydrophytic			
2				Vegetation	as the		
	_3_=	Total Cover		Fresentr 1	05		
% Bare Ground in Herb Stratum		_					-
remains.							
		1					

	CP	77	1 1
Sampling Point:	31-	IC	

Profile Desc	ription: (Descr								
(inches)	Color (moist	ix )	%	Color (moist)	dox Feature	Type1	Loc <sup>2</sup>	Texture	Remarks
						Туре		Texture	
0-9	2,54 41	2	96	2,5441	14	C	MA	IEC	
9-18	54 5/	7	SE	DURYLY		C	M	-HP	
		-	05	1040111	- 15		· <u>// /</u>		3
-		-			-				
							-		
					_		·		-
		_	-		_				
	-	_							
ype: C=C	oncentration, D=	Deple	etion, RM	=Reduced Matrix,	CS=Covere	d or Coat	ed Sand Gra	ains. <sup>2</sup> L	ocation: PL=Pore Lining, M=Matrix.
dric Soil	Indicators: (Ap	plica	ble to all	LRRs, unless of	nerwise no	ted.)		Indica	ators for Problematic Hydric Soils <sup>3</sup> :
_ Histosol	(A1)			X Sandy Redo	(S5)			_ 2	cm Muck (A10)
Black Hi	stic (A3)			Stripped Mat	rix (S6)	1) /		_ R	ed Parent Material (TF2)
Hydroge	en Sulfide (A4)			Loamy Gleve	d Matrix (F	7) (excep 2)	MLRA 1)		ther (Explain in Remarks)
Depleter	d Below Dark Su	rface	(A11)	Depleted Ma	trix (F3)	-)		_ 0	
_ Thick Da	ark Surface (A12	:)	e contra	Redox Dark	Surface (F6	)		<sup>3</sup> Indica	ators of hydrophytic vegetation and
_ Sandy M	lucky Mineral (S	1)		Depleted Da	k Surface (	F7)		we	tland hydrology must be present,
_ Sandy G	Sleyed Matrix (S4	4)		Redox Depre	essions (F8)			unl	ess disturbed or problematic.
Type:	Layer (ir presen	it):		Ť.					
Depth (in	chac);	-						Hudeia Ca	Il Brannet? Yes X No
Deput (in	unes)				_	_	_	Hyunc St	Di Fresent? Fes X NO
tit		-							
/DROLO	GY	-							
DROLO	GY drology Indicate	ors:				<del>i</del> .			
DROLO	GY drology Indicate cators (minimum	ors: of on	ne require	d; check all that a				<u>Sec</u>	condary Indicators (2 or more required)
DROLO Tetland Hy imary India	GY drology Indicate cators (minimum Water (A1)	ors: of on	e require	d; check all that an Water-S	oply)	ves (B9) (6	except	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,
DROLO etland Hy imary India _ Surface _ High Wa	GY drology Indicate cators (minimum Water (A1) ater Table (A2)	ors: of on	ne require	d; check all that an Water-S MLR	oply) Stained Lear	ves (B9) (« and 4B)	except	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
DROLO Tetland Hy imary India Surface High Wa Saturatio	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3)	ors: of on	e require	d: check all that an Water-S Salt Cru	oply) Itained Lea A 1, 2, 4A, Ist (B11)	ves (B9) (e and 4B)	except	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
DROLO etland Hy imary India _ Surface _ High Wa _ Saturatia _ Water M	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1)	ors: of on	e require	d; check all that a Water-S MLR Salt Cru Salt Cru Aquatic	oply) Stained Lear A 1, 2, 4A, Inst (B11) Invertebrat	ves (B9) (e and 4B) es (B13)	except	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
DROLO etland Hy imary India Surface High Wa Saturatio Water M Sedimer	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	ors: of on	e require	d: check all that a Water-S MLR Salt Cru Aquatic Hydrogy Ovidize	pply) itained Lear A 1, 2, 4A, ist (B11) Invertebrat en Sulfide C	ves (B9) (e and 4B) es (B13) odor (C1)	except	<u>Sec</u>	condary 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 Geomorphic Position (D2)
DROLO etland Hy imary India Surface High Wa Saturatia Water M Sedimer Drift Dep Anal Ma	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ors: of on	e require	d: check all that an Water-S MLF Salt Cru Aquatic Hydrogy Oxidize Present	pply) tained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosph- e of Reduc	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C	except Living Root	<u>Sec</u>   ts (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3)
DROLO etland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ors: of on	e require	d: check all that an Water-S Salt Cru Aquatic Hydrogu Oxidize Presend Recent	oply) Stained Lear A 1, 2, 4A, est (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduc	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille	except Living Root 4) ed Soils (C6)	s (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
DROLO etland Hy imary India Surface High Wa Saturatia Water M Sedimer Drift Dep Algal Ma Iron Dep Surface	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6)	ors: of on	e require	d: check all that and Water-S Salt Cru Aquatic Hydrogu Oxidize Presentu Recentu Stuntedu	oply) itained Lea A 1, 2, 4A, ist (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduct iron' Reduct or Stressed	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (E	except Living Root 4) ed Soils (C6) D1) (LRR A)	ts (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
<b>DROLO</b> <b>etland Hy</b> <u>fimary India</u> Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Ae	ors: of on	e require	d: check all that an Water-S MLR Salt Cru Aquatic Hydrogy Oxidize Presend Recent Stunted 7) Other (f	pply) tained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduct or Stresser xplain in R	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C cion in Tille d Plants (D emarks)	except Living Root 4) ed Soils (C6) D1) (LRR A)		condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO Tetland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Ae y Vegetated Con	ors: of on rial In cave	nagery (B Surface (	d: check all that an Water-S MLR Salt Cru Aquatic Hydrogu Oxidize Present Recent Stunted 7) Other (B B8)	pply) tained Lear A 1, 2, 4A, ist (B11) Invertebrat en Sulfide C d Rhizospho e of Reduct or Stressed cyplain in R	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	except Living Root 4) ed Soils (C6) D1) (LRR A)	<u>Sec</u>  ts (C3) ↓ ↓ ↓	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO Tetland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely eld Obser	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aer y Vegetated Con vations:	ors: of on rial In cave	nagery (B Surface (	d: check all that and Water-S MLR Salt Cru Aquatic Hydrogu Oxidize Present Recent Stunted 7) Other (f B8)	oply) itained Lea A 1, 2, 4A, ist (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduct or Stressed cyplain in R	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (E emarks)	except Living Root 4) ed Soils (C6) D1) (LRR A)	s (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
TOROLO  Tetland Hy  Timary India  Surface High Wa Saturatia Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatia Sparsely eld Obser	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aei v Vegetated Con vations: er Present?	ors: of on rial Im cave Ye	nagery (B Surface (	d: check all that an Water-S MLF Salt Cru Aquatic Hydrogy Oxidize Presend Recent Stunted 7) Other (f B8)	pply) itained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduct or Stressed iron' Reduct or Stressed ixplain in R	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (D emarks)	except Living Root 4) ed Soils (C6) D1) (LRR A)		condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO etland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundatio Sparsely eld Obser urface Water	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Ae y Vegetated Con vations: er Present? Present?	ors: of on rial In cave Ye Ye	nagery (B Surface ( s	d; check all that an Water-S MLF Salt Cru Aquatic Aquatic Aquatic Oxidize Oxidize Presend Stunted 7) Other (B B8) No Depth No Depth	pply) tained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosphi- e of Reduct or Stressed (inches): (inches):	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (E emarks)	except Living Root 4) ed Soils (C6) D1) (LRR A)	<u>Sec</u>  ts (C3) ⊥∠ ) ⊥∠	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO Tetland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely eld Obser urface Water Table aturation Pho- Courter	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aer y Vegetated Con vations: er Present? Present? present present present present present present present pr	rial In cave Ye Ye Ye	nagery (B Surface ( ss	d: check all that a 	pply) tained Lear A 1, 2, 4A, ist (B11) Invertebrate on Sulfide C d Rhizosphi e of Reduct or Stressed inches): (inches): (inches):	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C tion in Tille d Plants (D emarks)	except Living Root 4) ed Soils (C6) D1) (LRR A)		condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO     Tetland Hy     imary India     Surface     High Wa     Saturatia     Water M     Sedimer     Drift Deg     Algal Ma     Iron Deg     Surface     Inundatia     Sparsely eld Obser     urface Wate     tater Table     aturation Pr     cludes cap escribe Ref	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Ae vegetated Con vations: er Present? Present? present? present? posits (B5) corded Data (street)	ors: of on rial Im cave Ye Ye Ye Ye	nagery (B Surface ( s s jauge; mo	d: check all that an 	pply) itained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduct or Stressed iron' Reduct or Stressed inches): (inches): inches): al photos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (D emarks) revious in:	except Living Root 4) ed Soils (C6) D1) (LRR A) Wetla spections), i	ts (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Provide a constraints     Provide a constraint of the constra	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Ael vegetated Con vations: er Present? Present? Present? pillary fringe) corded Data (street	rial In cave Ye Ye Ye arm <u>c</u>	nagery (B Surface ( s s gauge; mo	d; check all that an Water-S MLF Salt Cru Aquatic Aquatic Aquatic Oxidize Oxidize Presend Oxidize Presend Stunted 7) Other (B B8) No Depth No Depth No Depth No Depth No Depth No Depth	pply) tained Lear <b>A 1, 2, 4A,</b> st (B11) Invertebrat en Sulfide C d Rhizosphi- e of Reduct or Stressed (inches): (inches): (inches): al photos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (E emarks)	except Living Root 4) ed Soils (C6) 01) (LRR A) Wetla spections), in	ts (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
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DROLO etland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Deg Algal Ma Iron Deg Surface Inundation Sparsely eld Obser urface Water Table aturation Pr cludes cap Socribe Red	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aer vegetated Con vations: er Present? Present? present? present? corded Data (street)	rial Im rial Im cave Ye Ye eam <u>c</u>	nagery (B Surface ( s s gauge; mo	d: check all that an 	pply) itained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosphi e of Reduct or Stressed iron' Reduct or Stressed inches): (inches): inches): al photos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (D emarks) revious in:	except Living Root 4) ed Soils (C6) D1) (LRR A) Wetla spections), it	ts (C3)	Condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO etland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely eld Obser urface Water Table aturation Pr icludes cap escribe Rec	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aei vegetated Con vations: er Present? Present? Present? pillary fringe) corded Data (stro	ors: of on rial In cave Ye Ye Ye Ye	e require nagery (B Surface ( s s jauge; mo	d: check all that an Water-S MLF Salt Cru Aquatic Aquatic Aquatic Oxidize Presend Recent Stunted 7) Other (f B8) No Depth No Depth No Depth noitoring well, aeri	pply) tained Lear <b>A 1, 2, 4A,</b> st (B11) Invertebrat en Sulfide C d Rhizosph- e of Reduct or Stressed (inches): (inches): inches): al photos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (E emarks) revious ins	except Living Root 4) ed Soils (C6) 01) (LRR A) Wetla spections), i	ts (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
DROLO etland Hy imary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Surface Inundation Sparsely eld Obser urface Water Table aturation Pri icludes cap socribe Rec	GY drology Indicate cators (minimum Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) Soil Cracks (B6) on Visible on Aei y Vegetated Con vations: er Present? Present? Present? pillary fringe) corded Data (street	rial In cave Ye Ye Ye	nagery (B Surface ( s s gauge; mo	d: check all that an Water-S MLR Salt Cru Aquatic Hydrogu Oxidize Present Stunted 7) Other (B B8) No Depth No Depth No Depth onitoring well, aeri	pply) tained Lear A 1, 2, 4A, st (B11) Invertebrat en Sulfide C d Rhizosphi- e of Reduct or Stressed (inches): (inches): (inches): al photos, p	ves (B9) (e and 4B) es (B13) odor (C1) eres along ed Iron (C ion in Tille d Plants (E emarks)	except Living Root 4) ed Soils (C6) 01) (LRR A) Wetla spections), it	ts (C3)	condary 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 Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Site: Wist Port Light S.P.	, ,	City/County: West	Port Sampling Date: 4-29-2
Applicant/Owner: _ tate Parks			State: WA Sampling Point: 5P- T21
nvestigator(s): P. Hamidi		Section, Township, Ra	nge:
andform (hillslope, terrace, etc.): DUNES		Local relief (concave	convex none). CON VEX Slone (%): 2
Subregion (LRR):	.1 at		
Soil Man Unit Name: DUNZ Land	Lat		
Are climatic / hydrologic conditions on the city holical for the			
Are Contractor Hydrologic conditions on the site typical for th	is time of yea	ar? Yes No	(If no, explain in Remarks.)
Ne Vegetation, Soll, or Hydrology	significantly	disturbed? Are "	Normal Circumstances" present? Yes No
Are vegetation, Soil, or Hydrology	naturally pro	blematic? (If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing	sampling point le	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes 1	No 🗡		
Hydric Soil Present? Yes	No ¥	Is the Sampled	Area
Wetland Hydrology Present? Yes	No <u>K</u>	within a Wetlan	nd? Yes No
Remarks: bulow normal precip			
Photos 737-741			
	100		
/EGETATION – Use scientific names of pla	nts.		
Tree Stratum (Plot size: 36')	Absolute % Cover	Dominant Indicator Species? Status	Dominance Test worksheet:
1		<u>oppender</u>	That Are OBL, FACW, or FAC: (A)
2			
3			Species Across All Strata: (B)
4			Percent of Dominant Species
	0	= Total Cover	That Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: 15)	75	V UPI	Prevalence Index worksheet:
PINUS CONTRACTOS	5	FIAC	Total % Cover of: Multiply by:
2. 111-3 -01101		1.00	OBL species x 1 =
A	1200	<u> </u>	FACW species x 2 =
5	S		FAC species x 3 =
	30	= Total Cover	FACU species x 4 =
Herb Stratum (Plot size:			UPL species x 5 =
1. Anthokanthun odoratum	- 20	Y PACU	Column Totals: (A) (B)
2. Holcus langtus	10	Y PATC	Prevalence Index = B/A =
3. Plantago lanceolata	- 10	FACU	Hydrophytic Vegetation Indicators:
4. Hypochaeris redicate		- FACU	1 - Rapid Test for Hydrophytic Vegetation
5. JUNIOS Stewart		- FACU	2 - Dominance Test is >50%
6. In the ALICIDSEIM			3 - Prevalence Index is ≤3.0
۰	·		data in Remarks or on a separate sheet)
0	1.80	1	5 - Wetland Non-Vascular Plants <sup>1</sup>
10		-12	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11.	1		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	67	= Total Cover	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 15)			
1			Hydrophytic
2			Present? Yes No K
	0	= Total Cover	
% Pare Ground in Herb Stratum 5			the second se

Sampling Point: SP-T21-2

Profile Description: (Describe to the d	epth needed to docume	ent the indicator	r or confirm	the absence o	rindicators.)
(inches) Color (moist) %	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-8 7.544/2 100				LFS	
9-18 7 FU 4/2 95	254 4/2	5 0		100	
0-10 659 116 13		<u> </u>		LFS	
	10 m				
	-				1
Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=	Covered or Coat	ted Sand Gra	ins. <sup>2</sup> Loca	tion: PL=Pore Lining, M=Matrix.
lydric Soil Indicators: (Applicable to	all LRRs, unless otherw	vise noted.)		Indicators	s for Problematic Hydric Soils':
Histosol (A1)	Sandy Redox (S5	5)		2 cm	Muck (A10)
Black Histic (A2)	Stripped Matrix (S	56) 		Red F	Parent Material (TF2)
Hydrogen Sulfide (A4)	Loamy Mucky Mir	neral (F1) (excep	DT MLRA 1)	Very :	(Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (	E3)		_ Other	(Explain in Remarks)
_ Thick Dark Surface (A12)	Redox Dark Surfa	ace (F6)		<sup>3</sup> Indicators	of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark Su	urface (F7)		wetland	hydrology must be present,
_ Sandy Gleyed Matrix (S4)	Redox Depressio	ns (F8)		unless	disturbed or problematic.
Restrictive Layer (if present):					
Туре:				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	and the second second second
Depth (inches):				Hydric Soil P	resent? Yes No K
Remarks:					
YDROLOGY Wetland Hydrology Indicators:					
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requ	ired; check all that apply)			Second	ary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1)	ired; check all that apply)	ed Leaves (B9) (	except	<u>Second</u>	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2,
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2)	ired; check all that apply) · Water-Stain MLRA 1,	ed Leaves (B9) ( 2, 4A, and 4B)	except	<u>Second</u> Wa	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3)	ired; check all that apply) Water-Stain MLRA 1, Salt Crust (E	ed Leaves (B9) ( 2, 4A, and 4B) 311)	except	<u>Second</u> Wa Dra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) tinage Patterns (B10)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ired; check all that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13)	except	<u>Second</u> Wa Dra Dr	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) hinage Patterns (B10) r-Season Water Table (C2)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requ Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	ired; check all that apply) Water-Staino MLRA 1, Salt Crust (E Aquatic Inve Hydrogen St	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1)	except	<u>Second</u> Wa Dra Dry Sat	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	ired; check all that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen Stain Oxidized Rh	ed Leaves (B9) ( <b>2, 4A, and 4B)</b> 311) ertebrates (B13) ulfide Odor (C1) izospheres along	except	<u>Second</u> Wa Dra Dry Sai s (C3) Ge	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9 omorphic Position (D2)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ired: check all that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of	ed Leaves (B9) ( <b>2, 4A, and 4B)</b> 311) ertebrates (B13) ulfide Odor (C1) iizospheres along Reduced Iron (C	except g Living Root: 24)	<u>Second</u> Wa Dra Dra Sat s (C3)Ge Sh:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C9 omorphic Position (D2) allow Aquitard (D3)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request 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)	ired; check all that apply) Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen Si Oxidized Rh Presence of Recent Iron	ed Leaves (B9) ( <b>2, 4A, and 4B)</b> 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Till	except g Living Root: C4) ed Soils (C6)	<u>Second</u> Wa Dra Dry Sat s (C3) Ge Sh. FA	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) tinage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9 omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request 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)	ired; check all that apply) — Water-Stain MLRA 1, — Salt Crust (E — Aquatic Inve — Hydrogen St — Oxidized Rh — Presence of — Recent Iron — Stunted or S	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Till Stressed Plants (I	except g Living Roots 24) ed Soils (C6) D1) (LRR A)	<u>Second</u> Wa Dra Dry Sa s (C3) Ge Sh FA Ra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one requestion 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	ired: check all that apply) — Water-Stain MLRA 1, — Salt Crust (E — Aquatic Inve — Hydrogen St — Oxidized Rh — Presence of — Recent Iron — Stunted or S (B7) — Other (Expla	ed Leaves (B9) ( <b>2, 4A, and 4B)</b> 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks)	except g Living Roots C4) ed Soils (C6) D1) (LRR A)	<u>Second</u> Wa Dra Dry Sat s (C3) Ge Sh FA Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface	ired: check all that apply) Water-Stains MLRA 1, Salt Crust (E Aquatic Inve Hydrogen Stains Oxidized Rh Presence of Recent Iron Stunted or S (B7) Other (Explage e (B8)	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants ( ain in Remarks)	except g Living Roots 24) ed Soils (C6) D1) (LRR A)	<u>Second</u> Wa Dra Dry Sal s (C3) Ge Sh FA Ra Frc	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) tost-Heave Hummocks (D7)
YDROLOGY Vetland Hydrology Indicators: Primary Indicators (minimum of one request Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery Sparsely Vegetated Concave Surface Vield Observations:	ired: check all that apply) Water-Stains MLRA 1, Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S (B7) Other (Expla- e (B8)	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) iizospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks)	except g Living Root: C4) ed Soils (C6) D1) (LRR A)	Second Wa Dra Dra Sat s (C3) Ge Sh FA Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) tinage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) tist-Heave Hummocks (D7)
YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)	ired: check all that apply) — Water-Stain MLRA 1, — Salt Crust (E — Aquatic Inve — Hydrogen Si — Oxidized Rh — Presence of — Recent Iron — Stunted or S (B7) — Other (Explain e (B8) .	ed Leaves (B9) ( <b>2, 4A, and 4B)</b> 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) mes):	except g Living Roots C4) ed Soils (C6) D1) (LRR A)	<u>Second</u> Wa Dra Dry Sat s (C3) Ge Sh FA Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)	ired: check all that apply) — Water-Stain MLRA 1, — Salt Crust (E — Aquatic Inve — Hydrogen Si — Oxidized Rh — Presence of — Recent Iron — Stunted or S (B7) — Other (Expla- e (B8) • — No <u>X</u> Depth (inch-	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) mes):	except g Living Roots C4) ed Soils (C6) D1) (LRR A)	<u>Second</u> Wa Dra Dry Sat s (C3) Ge Sh FA Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requents)	ired: check all that apply) Water-Stains MLRA 1, Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S (B7) Other (Expla- e (B8) No Depth (inch No Depth (inch No Depth (inch	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) nes): nes): nes):	except g Living Root: C4) ed Soils (C6) D1) (LRR A)	Second Wa Dra Dry Sat S (C3) Ge Sh FA Ra Fro	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) tinage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) tised Ant Mounds (D6) (LRR A) tist-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)	ired: check all that apply)  Water-Stain MLRA 1, Salt Crust (E Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S (B7) Other (Explate (B8) No Depth (inch No Depth (inch monitoring well, aerial ph	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) nes): nes): nes): notos, previous in	except g Living Roots (24) ed Soils (C6) D1) (LRR A) Wetla	Second Wa Dra Dry Sal S(C3) Ge Sh FA Ra Fro Nd Hydrology	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)	ired; check all that apply)	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) hes): hes): hotos, previous in	except g Living Roots 24) ed Soils (C6) D1) (LRR A) 	Second Wa Dra Dra Dra Sai Sai Sai Sai Sai Fra Fra fra	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ist-Heave Hummocks (D7) Present? Yes No
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requestion)	ired: check all that apply) Water-Stains MLRA 1, Salt Crust (E Aquatic Inve Hydrogen Sta Oxidized Rh Presence of Recent Iron Stunted or S (B7) Other (Expla- e (B8) No X Depth (inch No Depth (inch monitoring well, aerial ph	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) hes): hes): hotos, previous in	except g Living Root: 24) ed Soils (C6) D1) (LRR A) 	Second Wa Dra Dry Sal S(C3) Ge Sh FA Ra FA Fro Nd Hydrology	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes No
YDROLOGY         Metland Hydrology Indicators:         Primary Indicators (minimum of one requents)	ired: check all that apply)    Water-Stain  MLRA 1,  Salt Crust (E  Aquatic Inve Hydrogen St Oxidized Rh Presence of Recent Iron Stunted or S (B7) Other (Explate e (B8) No Depth (inch No Depth (inch monitoring well, aerial ph	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) nes): nes): notos, previous in	except g Living Root: C4) ed Soils (C6) D1) (LRR A) Wetla nspections), if	Second Wa Dry Dry Sal S (C3) Ge Sh FA Ra Fro Ind Hydrology f available:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) inage Patterns (B10) -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes No
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requents)	ired: check all that apply) — Water-Stain MLRA 1, — Salt Crust (E — Aquatic Inve — Hydrogen Si — Oxidized Rh — Presence of — Recent Iron — Stunted or S (B7) — Other (Explain e (B8)	ed Leaves (B9) ( 2, 4A, and 4B) 311) ertebrates (B13) ulfide Odor (C1) izospheres along Reduced Iron (C Reduced Iron (C Reduction in Till Stressed Plants (I ain in Remarks) nes): nes): notos, previous in	except g Living Root: C4) ed Soils (C6) D1) (LRR A) Wetla nspections), if	Second Wa Dry Dry Sal S (C3) Ge Sh FA Ra Fro Ind Hydrology f available:	ary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) image Patterns (B10) r-Season Water Table (C2) turation Visible on Aerial Imagery (C9 omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes No

1.8

WETLAND DETERMINATION DAT	A FORM	M – Wes	tern Mou	ntains, Valleys, and Coast Region
Project/site: West Post Light SP		City/County	y: Wes	+ Port Sampling Date:4-13-21
Applicant/Owner: State Parks				State: 111A Sampling Point: SP-B1
Investigator(s): <u>G. Hamidi</u>		Section, To	ownship, Rar	nge:
Landform (hillslope, terrace, etc.): Interdunce		Local relie	ef (concave. o	convex. none): CONBOUL Slope (%):
Subregion (LRR): A	Lat:			Long: Datum:
Soil Map Unit Name: VARUINA				NWI classification: PSS/PENIC
Are climatic / hydrologic conditions on the site typical for this ti	ime of ver	ar2 Vas	X No	(If no evolution in Remarks)
Are Venetation Soil or Hydrology air	nifeently .	diaturbad		
Are Vegetation, Soil, or Hydrology sig	inicantiy i	uisturbed?	Are	Normal Circumstances present? Yes No
he vegetation, our Hydrology hat	urally pro	blematic?	(If ne	eded, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map sl	nowing	samplir	ng point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes <u>K</u> No Hydric Soil Present? Yes <u>Yes</u> No		ls ti	he Sampled	Area
Wetland Hydrology Present? Yes K No.		with	hin a Wetlan	1d? Yes No
Remarks:				
Photos 31-35 North	and	oF	ma	Sold A.
VEGETATION – Use scientific names of plants		0.	11.0	
Tran Stratum (Distance 70)	Absolute	Dominan	t Indicator	Dominance Test worksheet:
Pinds conductor	% Cover	Species?	Status	Number of Dominant Species
2	-5-	1-	FAC	That Are OBL, FACW, or FAC: (A)
3				Total Number of Dominant
4				Species Across All Strata: (B)
Carling (Charle Charles / Distaine)		= Total C	over	Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
Sapling/Shrub Stratum (Plot size: 1)	m	M	FACIO	Prevalence Index worksheet:
2	10	-1	the	Total % Cover of: Multiply by:
3		-		OBL species x 1 =
4				FACW species x 2 =
5.				FAC species x 3 =
<u>ک</u>	70	= Total C	over	FACU species x 4 =
Herb Stratum (Plot size:	100	M	6BI	UPL species x 5 =
1. Laver obnopisa	00	-7	OUL	Column Totals: (A) (B)
2. VEROILICG SCUTENATG	3		OBL	Prevalence Index = B/A =
3				Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5				2 - Dominance Test is >50%
7				3 - Prevalence Index is ≤3.0'
8		-		4 - Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet)
9				5 - Wetland Non-Vascular Plants <sup>1</sup>
10				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
	63	= Total Co	over	be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: <u>15</u> )				
1				Hydrophytic
2	~			Vegetation Present? Veg A No
% Bare Ground in Herb Stratum 20	0	= Total Co	over	
Remarks:				1

-	~		8	
	ε,	8	1	
~	~		*	-

Sampling Point: SP-B1

Profile Description: (Describe to the depth	needed to docur	nent the I	naicator	or comm	the absence	of indicators.)
Depth <u>Matrix</u>	Redo	x Features	S1			
<u>(incres)</u> <u>Color (moist)</u> %	Color (moist)		_lype'	Loc	Texture	Remarks
1-0 0-7 2					where a	
0-3 2,54.9.115 100					LFS_	
2 1 4 417 90	6					
3-9 254412 90 1	BYRY/4	10	C	M	IFS	
Q-IR SULLELI CD	7.54412	10				
<u>-1-10 - 34 131 - 40 - 6</u>	-157 4/5	10				
	in a surprise of the second	-		and the		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R	educed Matrix, CS	S=Covered	d or Coate	d Sand Gr	ains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to all LF	RRs, unless other	wise note	ed.)		Indicator	s for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	🕻 Sandy Redox (S	S5)			2 cm	Muck (A10)
Histic Epipedon (A2)	_ Stripped Matrix	(S6)		22.2	Red	Parent Material (TF2)
Black Histic (A3)	_ Loamy Mucky N	lineral (F1	I) (except	MLRA 1)	Very	Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	_ Loamy Gleyed I	Matrix (F2	)		Othe	r (Explain in Remarks)
Depleted Below Dark Surface (A11)     Thick Dark Surface (A12)	_ Depleted Matrix	(F3)			31	
Sandy Muchy Minoral (S1)	_ Redox Dark Su	nace (F6)	-7)		Indicator	s of hydrophytic vegetation and
Sandy Gleved Matrix (S4)	_ Depleted Dark :	ione (EQ)	()		wettar	disturbed or problematic
Bestrictive Laver (if present):	_ Redux Depress	ions (Fo)		disco generativos	uniess	disturbed of problematic.
Tuno:					1.1.1.1.1.1	
Type.	-					1
Depth (Inches):		de la c		1.	Hydric Soil F	resent? Yes <u>X</u> No
HYDROLOGY Wetland Hydrology Indicators:						
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required: )	check all that apply				Second	ary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1)	check all that apply Water-Stai	γ) ned Leave	es (B9) (e)	ccent	<u>Second</u>	lary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2)	check all that apply	y) ned Leave	es (B9) (e)	cept	<u>Seconc</u> K Wa	lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3)	check all that apply Water-Stai MLRA Salt Crust	y) ned Leave <b>1, 2, 4A, a</b> (B11)	es (B9) (e) ind 4B)	cept	<u>Secono</u> X Wa	lary Indicators (2 or more required) iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of 	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv	y) ned Leave <b>1, 2, 4A, a</b> (B11) vertebrates	es (B9) (e) ind <b>4B)</b> s (B13)	kcept	<u>Seconc</u> ☆ Wa Dra	lary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	check all that apply Water-Stai Salt Crust Salt Crust Aquatic Inv Hydrogen	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od	es (B9) (e) Ind <b>4B)</b> s (B13) dor (C1)	kcept	<u>Secono</u> Wa Dra Dra Dra Sa	lary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) V-Season Water Table (C2) turation Visible on Aerial Imagery (C9)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of 	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo chizospher	es (B9) (e) ind <b>4B)</b> s (B13) for (C1) res along l	ccept	<u>Second</u> ☆ Wa Dra Dra Sa ts (C3) ☆ Ge	lary Indicators (2 or more required) ter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) <i>r</i> -Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Alnal Mat or Crust (B4)	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oc thizospher of Reduce	es (B9) (e) ind 4B) s (B13) for (C1) res along I d Iron (C4	ccept Living Roof	<u>Seconc</u> ☆ Wa Dr: Dr: Sa ts (C3) _太 Ge Sh	lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	check all that apple Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iro	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od hizospher of Reduce n Reductio	es (B9) (ex and 4B) s (B13) dor (C1) res along l d Iron (C4 on in Tillec	ccept Living Roof ) I Soils (C6	<u>Seconc</u> ↓ Wa Dr Sa ts (C3) _ ▲ Ge Sh )	lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo hizospher of Reduce n Reductio Stressed	es (B9) (e) and 4B) s (B13) dor (C1) res along I d Iron (C4 on in Tilleo Plants (D'	ccept	<u>Seconc</u> ↓ Wa Dra Dra Sa ts (C3) ↓ Ge Sh ) ↓ FA Ba	Lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) alinage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LBR A)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of a surface Water (A1) Gradient Galary (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	check all that apple Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo thizospher of Reduce n Reductio Stressed lain in Rei	es (B9) (e) and 4B) s (B13) dor (C1) res along I d Iron (C4 on in Tilleo Plants (D' marks)	ccept Living Roof ) I Soils (C6) I) (LRR A)	<u>Second</u> ☆ Wa Dra Sa ts (C3) ☆ Ge Sh ) ☆ FA Ra Ra	lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ast-Heave Hummocks (D7)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of 	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od thizospher of Reduce n Reduction Stressed Jain in Red	es (B9) (e) and 4B) s (B13) dor (C1) res along l d Iron (C4 on in Tilleo Plants (D' marks)	Living Roof ) I Soils (C6) I) (LRR A)	<u>Second</u> ↓ Wa Dr. Sa ts (C3) ↓ Ge Sh ) ↓ FA Ra Fre	Lary Indicators (2 or more required) tter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required; of 	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp )	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od chizospher of Reduce n Reductio Stressed Jain in Re	es (B9) (e) and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D marks)	ccept Living Roof ) I Soils (C6) I) (LRR A)	<u>Seconc</u> ↓ Wa Dr: Sa ts (C3) ↓ Ge Sh ↓ ↓ FA Ra Frd	lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of the second	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od hizospher of Reduce n Reductio Stressed lain in Rei	es (B9) (ex <b>nd 4B)</b> s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D2 marks)	ccept Living Roof ) I Soils (C6) I) (LRR A)	<u>Seconc</u> ↓ Wa Dr; Sa ts (C3) ↓ Ge Sh ) ↓ FA Ra Fro	lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of the second	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo chizospher of Reduce n Reductio Stressed lain in Reductio stressed	es (B9) (e) ind 4B) s (B13) dor (C1) res along I d Iron (C4 on in Tillec Plants (D <sup>2</sup> marks)	ccept Living Roof ) I Soils (C6) 1) (LRR A)	<u>Seconc</u> ↓ Wa Dr; Sa ts (C3) ↓ Ge Sh ) ↓ FA Ra Fro	lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of the second	<u>check all that apple</u> <u>Water-Stai</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic Inv</u> <u>Hydrogen</u> <u>Oxidized R</u> <u>Presence of</u> <u>Recent Iron</u> <u>Stunted or</u> <u>Other (Exp</u> ) <u>Check Check Check</u>	(y) ned Leave <b>1, 2, 4A, a</b> (B11) vertebrates Sulfide Oo thizospher of Reduces n Reduction Stressed Iain in Res ches): ches):	es (B9) (e) and 4B) s (B13) dor (C1) res along I d Iron (C4 on in Tilleo Plants (D' marks)	ccept Living Root ) I Soils (C6) 1) (LRR A)	<u>Seconc</u> ↓ Wa Dr; Sa ts (C3) ↓ Ge Sh ) ↓ FA Ra Fro	Lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) Ituration Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) Dist-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of a second s	check all that apple Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc Depth (inc	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo thizospher of Reduce n Reductio Stressed lain in Ref ches): ches):	es (B9) (e) and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D <sup>2</sup> marks) <u>12</u>	ccept Living Roof ) I Soils (C6) I) (LRR A)	<u>Second</u> ↓ Wa Dra Sa and Hydrology	Iary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) bst-Heave Hummocks (D7) Present? Yes X No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of a strength of a strengy strength of a strengt of a strengy strengh	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc Depth (inc borng well, aerial p	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od Shizospher of Reduce n Reductio Stressed Jain in Rei ches): ches): ches):	es (B9) (e) and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D <sup>2</sup> marks) 19 19 12 evious insp	Living Roof ) I Soils (C6) I) (LRR A)	<u>Second</u> ↓ Wa Dr; Sa ts (C3) ↓ Ge Sh ) ↓ FA Ra Fro  md Hydrology if available:	Iary Indicators (2 or more required)         Iter-Stained Leaves (B9) (MLRA 1, 2,         4A, and 4B)         ainage Patterns (B10)         /-Season Water Table (C2)         turation Visible on Aerial Imagery (C9)         omorphic Position (D2)         allow Aquitard (D3)         C-Neutral Test (D5)         ised Ant Mounds (D6) (LRR A)         ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of a structure o	<u>check all that apple</u> <u>Water-Stai</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic Inv</u> <u>Hydrogen</u> <u>Oxidized R</u> <u>Presence of</u> <u>Recent Iron</u> <u>Stunted or</u> <u>Other (Exp</u> ) <u>A</u> <u>Depth (inc</u> <u>Depth (inc</u> <u>toring well, aerial p</u>	(y) ned Leave <b>1, 2, 4A, a</b> (B11) vertebrates Sulfide Oo thizospher of Reduce n Reductio Stressed lain in Ref ches): ches): shotos, pref	es (B9) (ex and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D' marks) <u>14</u> 12 evious insp	Living Root ) I Soils (C6) I) (LRR A) U (LRR A) Wetla Dections), i	<u>Second</u> ↓ Wa Dra Dra Sa is (C3) ↓ Gea Sh ) ↓ FA Ra Fra Fra Ind Hydrology if available:	Lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) Ituration Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of a structure)	check all that apply Water-Stai MLRA Salt Crust Aquatic Inv Hydrogen Oxidized R Presence of Recent Iron Stunted or Other (Exp Depth (inc Depth (inc toring well, aerial p	(y) ned Leave <b>1, 2, 4A, a</b> (B11) vertebrates Sulfide Od thizospher of Reduce n Reductio Stressed lain in Rel ches): ches): ches): ches):	es (B9) (e) and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D <sup>2</sup> marks) <u>14</u> 12 evious insp	ccept Living Roof ) I Soils (C6) 1) (LRR A) U (LRR A) Wetla Dections), i	<u>Second</u> ↓ Wa Dra S	Lary Indicators (2 or more required) Iter-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) ainage Patterns (B10) A-Season Water Table (C2) turation Visible on Aerial Imagery (C9) omorphic Position (D2) allow Aquitard (D3) C-Neutral Test (D5) ised Ant Mounds (D6) (LRR A) ost-Heave Hummocks (D7) Present? Yes No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of a strength of a strengt of a strength of a strength of a strengt o	<u>check all that apply</u> <u>Water-Stai</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic Inv</u> <u>Hydrogen</u> Oxidized R <u>Crust</u> <u></u>	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Od Sulfide Od Stressed Iain in Reduction Stressed Iain in Reduction Stressed S	es (B9) (e) and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D' marks)	ccept Living Roof ) I Soils (C6) 1) (LRR A) U (LRR A)	Second Wa Dr Sa ts (C3) ⊥ Ge Sh ) ⊥ FA Ra Fro and Hydrology f available:	Iary Indicators (2 or more required)         Iter-Stained Leaves (B9) (MLRA 1, 2,         4A, and 4B)         ainage Patterns (B10) <i>in</i> -Season Water Table (C2)         turation Visible on Aerial Imagery (C9)         omorphic Position (D2)         allow Aquitard (D3)         C-Neutral Test (D5)         ised Ant Mounds (D6) (LRR A)         ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of surface Water (A1)	<u>check all that apply</u> <u>Water-Stai</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic Inv</u> <u>Hydrogen</u> Oxidized R <u>Presence of</u> <u>Recent Iron</u> <u>Stunted or</u> <u>Other (Exp</u> )	y) ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo Shizospher of Reduce n Reductio Stressed Jain in Rei ches): ches): ches): ches):	es (B9) (e) and 4B) s (B13) for (C1) res along I d Iron (C4 on in Tilleo Plants (D <sup>2</sup> marks)	Living Roof ) I Soils (C6) 1) (LRR A)   Dections), i	Second ↓ Wa	Iary Indicators (2 or more required)         Iter-Stained Leaves (B9) (MLRA 1, 2,         4A, and 4B)         ainage Patterns (B10)         /-Season Water Table (C2)         turation Visible on Aerial Imagery (C9)         omorphic Position (D2)         allow Aquitard (D3)         C-Neutral Test (D5)         ised Ant Mounds (D6) (LRR A)         ost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required; of a structure o	<u>check all that apply</u> <u>Water-Stai</u> <u>MLRA</u> <u>Salt Crust</u> <u>Aquatic Inv</u> <u>Hydrogen</u> Oxidized R <u>Presence of</u> <u>Recent Iron</u> <u>Stunted or</u> <u>Other (Exp</u> ) <u>Cher (Exp)</u> <u>Depth (inc</u> ) <u>Depth (inc</u> )	() ned Leave 1, 2, 4A, a (B11) vertebrates Sulfide Oo chizospher of Reduce n Reductio Stressed lain in Red ches): ches): ches): ches):	es (B9) (e) and 4B) s (B13) dor (C1) res along I d Iron (C4 on in Tilleo Plants (D' marks)	ccept Living Roof ) I Soils (C6) 1) (LRR A)  Wetla	Second Wa Dr Sa ts (C3) ▲ Ge Sh ) ▲ FA Ra Fre and Hydrology if available:	Iary Indicators (2 or more required)         Iter-Stained Leaves (B9) (MLRA 1, 2,         4A, and 4B)         ainage Patterns (B10)         /-Season Water Table (C2)         turation Visible on Aerial Imagery (C9)         omorphic Position (D2)         allow Aquitard (D3)         C-Neutral Test (D5)         ised Ant Mounds (D6) (LRR A)         ost-Heave Hummocks (D7)

WETLAND DETERMINATION DATA	FORM	/ – West	ern Mou	ntains, Valleys, and Coast Region $4-13-2$
Project/Site: West Port 2:545 SP	c	Citv/Countv	Wes	tPort Sampling Date:
Applicant/Owner: State Parks		only county		State: WA Sampling Point: SP-B2
Investigator(s): P. Hamidi	5	Section. To	wnship Rar	
Landform (hillslope, terrace, etc.): INter JUNG		Local relief	(concave o	convex none): (20 VECK Slope (%): 4
Subregion (LRR):	_at:		(001100100, 0	Long: Datum:
Soil Map Unit Name: Vagu; NG		1. 27	1.6	NWI classification: (1PL-NIC
Are climatic / hydrologic conditions on the site typical for this tin	ne of vea	r? Yes (	X No	(If no, explain in Remarks )
Are Vegetation . Soil . or Hydrology sign	ificantly c	listurbed?	Are "	
Are Vegetation, Soil, or Hydrology	rally prot	plematic?	(If ne	eded explain any answers in Remarks )
SUMMARY OF FINDINGS Attach site man ak			(	
The second state of the se	owing	samplin	g point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	X	Is th	e Sampled	Area
Wetland Hydrology Present? Yes No	× ·	with	in a Wetlan	nd? Yes <u>No X</u>
Remarks:	<u>~</u>			
Ohalar 31.30				집은 유명 것은 가슴을 가지 않는 것
Findes 56-37				
VEGETATION – Use scientific names of plants.				
Tree Stratum (Plot size: 30 )	bsolute Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. PINUS CONTORTS	3		FAC	That Are OBL, FACW, or FAC:
2			1.20	Total Number of Dominant
3		and the second		Species Across All Strata:(B)
4				Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 15') -	2	= Total Co	ver	That Are OBL, FACW, or FAC: (A/B)
1. Cytisus Scopenius	50	<u> </u>	UPL	Prevalence Index worksheet:
2. Morella Californica	10	Sec. 1	FACE	OPL energies
3. Vaccinium Ovatum_	<u> </u>		FACU	FACW species x 2 =
4	1997 - 1997 - 19 19 - 19 19 19 19	ing in the second	<u></u>	FAC species x 3 =
5	15	- Total Co		FACU species x 4 =
Herb Stratum (Plot size: 5')	<u></u>	- 10(a) C0	vei 🖌 a	UPL species x 5 =
1. Ammophila avenavga _	40	-Y	FACU	Column Totals: (A) (B)
2. Hypochaeris radicata -	20	-14	HACU	Prevalence Index = B/A =
3. Anthoxanthum odoratum	10	<u></u>	FAC	Hydrophytic Vegetation Indicators:
4				1 - Rapid Test for Hydrophytic Vegetation
5	1	19.00	4.8	2 - Dominance Test is >50%
0	100	1995		3 - Prevalence Index is ≤3.0'
8.	1. 6	1.5.5	C	data in Remarks or on a separate sheet)
9	5			5 - Wetland Non-Vascular Plants <sup>1</sup>
10			1 Million and	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:	$\mathcal{N}$	= Total Cov	ver	be present, unless disturbed of problematic.
			e nog	Uudeenbutie
2	-			Vegetation
·7	0 -	= Total Cov	ver	Present? Yes No 🗹
% Bare Ground in Herb Stratum			1997 - A.	
Remarks:				
		M0	1 x 1	

Sampling Point: 5P-B2

Frome Description. (Describe to the dep	still needed to document the indicator of ct	
Depth Matrix	Redox Features	
(inches) Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type<sup>1</sup></u> Lo	DC <sup>2</sup> Texture Remarks
0-6 104R3/3/00		LFS
6-11 10UR 3/2	~	- LFR
CHARTE HE	1. 영상 영화 등 이번 것 같은 것이다.	_ ++
11-18. 2 541/2 95	IAMP WIZ E C M	1.80
11 10 454 1/2 IS	100F 113 - 5 - C m	CPS
	- All and the second	and the second s
	and the second	the second s
	영상 전체 이상을 받는 것이라. 것이 같아요. 것이 없는 것이 없 않이	· 기위 사람이 가지 않는 것이 가지 않는 것이다.
<sup>1</sup> Type: C=Concentration D=Depletion RM	=Reduced Matrix_CS=Covered or Coated Sa	nd Grains <sup>2</sup> location: Pl =Pore Lining M=Matrix
Hydric Soil Indicators: (Applicable to all	LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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 MLF	RA 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)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> Indicators of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depicted Dark Surface (F7)	wetland hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depressions (F8)	unless disturbed or problematic.
Restrictive Layer (if present):		신제 모님 것, 날 것은 것이 가 안 한 곳이.
Type:		1
Depth (inches):		Hydric Soil Present? Yes No _/
Remarks:		
이 이 이 사람이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있는 것이 있다. 이 이 가지 않는 것이 있는 것이 가 있다. 이 이 가 있는 것이 없는 것이 없 것이 없는 것이 있는 것이 없는 것이 것이 없는 것이 없 않이		
HYDROLOGY		
HYDROLOGY Wetland Hydrology Indicators:	d: check all that apply)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require	d; check all that apply)	Secondary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1)	d; check all that apply) Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required) t Water-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A2)	d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	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 require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Softwation Visible on Assiel Imager (C0)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	d; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Bhizospheres along Living	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)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require 	d; check all that apply) 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)	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) Roots (C3) Geomorphic Position (D2) Shallow Aguitard (D3)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require 	d; check all that apply) 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	Secondary Indicators (2 or more required)         t
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require 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)	d; check all that apply) 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) (LF	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Roots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>s (C6)</li> <li>FAC-Neutral Test (D5)</li> <li>Rajsed Ant Mounds (D6) (LRB A)</li> </ul>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require 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	d; check all that apply) 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) (LF 7) Other (Explain in Remarks)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)         <ul> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Roots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>s (C6)</li> <li>FAC-Neutral Test (D5)</li> <li>RA)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require 	d; check all that apply)	Secondary Indicators (2 or more required)         t
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one require 	d; check all that apply) 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) (LF 7) Other (Explain in Remarks) B8)	Secondary Indicators (2 or more required)         t
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	Secondary Indicators (2 or more required)         t
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	d; check all that apply)	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)     Saturation Visible on Aerial Imagery (D9)     Saturation Visible on Aerial Imagery
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)         Roots (C3)       Geomorphic Position (D2)         Shallow Aquitard (D3)         s (C6)       FAC-Neutral Test (D5)         RR A)       Raised Ant Mounds (D6) (LRR A)         Frost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one require	d; check all that apply)	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)     Saturation Visible on Aerial Imagery

	ON DATA FORM -		intains, Valleys, an	d Coast Region 4/13/2
oject/Site: Westport 3.1	< City	County:	peri	_ Sampling Date:
plicant/Owner: WA 379 + C Par K			State:/	Sampling Point: 0 - /
restigator(s): <u>B. Fletcher</u>	Sec	tion, Township, Ra	inge:	
ndform (hillslope, terracè, etc.): Interdum	al Loo	cal relief (doncave,	convex, none):	Slope (%): <u>) &lt;</u>
bregion (LRR):	Lat:	Street Street	_ Long:	Datum:
il Map Unit Name: Dune land			NWI classif	ication: PBMIC
e climatic / hydrologic conditions on the site typic	al for this time of year?	Yes 🖌 No	(If no, explain in	Remarks.)
Vegetation Soil or Hydrology	significantly dist	urbed? A Are	"Normal Circumstances"	present? Yes X No
Vegetation Soil or Hydrology	naturally proble	matic? (If n	eeded, explain any answ	ers in Remarks.)
	and Cool marks		lessting transport	a important features at
UMMARY OF FINDINGS – Attach site	e map snowing sa	impling point i	ocations, transect	s, important leatures, etc
lydrophytic Vegetation Present? Yes	X No	Is the Sampler	Area	
lydric Soil Present? Yes	No	within a Wetlan	nd? Yes	No
/etland Hydrology Present? Yes	<u>No</u>		/	
emarks:				
hatas 961-963				We the second provide
GETATION – Use scientific names of	of plants.	1233 1225		
2	Absolute De	ominant Indicator	Dominance Test wo	ksheet:
ee Stratum (Plot size:)	% Cover Sp	becies? Status	Number of Dominant	Species Z
Pinus Contorta		X FAC	That Are OBL, FACW	, or FAC: (A)
			Total Number of Dom	inant 2
			Species Across All St	rata: (B)
			Percent of Dominant	Species 10 p
pling/Shrub Stratum (Plot size: 15		Total Cover	That Are OBL, FACW	I, or FAC: (A)
Pinus Contarta	20	X FAC	Prevalence Index w	orksheet:
Spirala doualasi		FACL	Total % Cover of	: Multiply by:
L'onirera involuciata	5	FAL	OBL species	x 1 =
Contraction of the second second		Buch Section	FACW species	x 2 =
	Sec. Sec. March	and the second	FAC species	x 3 =
	91 =.	Total Cover	FACU species	X 4 =
erb Stratum (Plot size:)	70	V oBI	Column Totals	X 3 (B)
Carex ounupta	$\frac{10}{10}$	FAI		(A) (b)
Agrost's capillaris		140	Prevalence Inde	ex = B/A =
			Hydrophytic Vegeta	tion Indicators:
			1 - Rapid Test for	Hydrophytic Vegetation
A Start gran we have	9 - 1 - 1 - 1	17 Mar. 1 Mar.	2 - Dominance To	est is >50%
			3 - Prevalence In	dex is ≤3.0° I Adaptational (Denuida auromatio
			data in Remai	ks or on a separate sheet)
and a second		North Color	5 - Wetland Non-	Vascular Plants <sup>1</sup>
	The second second		Problematic Hyd	ophytic Vegetation <sup>1</sup> (Explain)
U	terretaria de la constante de l La constante de la constante de		<sup>1</sup> Indicators of hydric s	oil and wetland hydrology must
······································	85 =1	Total Cover	be present, unless dis	sturbed or problematic.
Voody Vine Stratum (Plot size:	)			2
NIA	10		Hydrophytic	
and the second	it has not seen		Vegetation	
		Cotol Cover	Presentr	es _/ NO
0	=	olar Cover		
Bare Ground in Herb Stratum	=1			
6 Bare Ground in Herb Stratum	=1			

US Army Corps of Engineers

Western Mountains, Valleys, and Coast - Version 2.0

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

Frome Description: (Describe to the dep	in needed to document the indicator of commis	i une absence of indicatoro.		
Depth <u>Matrix</u>	Redox Features	Percenter (		
(inches) Color (moist) %	<u>Color (moist)</u> % <u>Type'</u> Loc <sup>2</sup>	<u>lexture</u> <u>Remarks</u>		
0-0.5 2.512/1 100		<u>Losa</u>		
0.5-6 1. 57 4/1 79	10 1R 3/6 1 ( M	Sand		
6-18 2.574/1 10	101R 316 30 CM	Jand		
2 1 M 2 4				
and the second se				
1		~ 걸음 감독 것이 있는 것이 있는 것이 같아.		
	and the second se	a second and a second		
1-		21 agentiant DI = Dara Lining M=Matrix		
Type: C=Concentration, D=Depletion, RM=	Reduced Matrix, CS=Covered or Coaled Sand G	Indicators for Problematic Hydric Soils <sup>3</sup> :		
Histosol (A1)	X 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)	2017년 12월 2017년 - 영문 전문 - 11일		
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> 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.		
Tuno:		김영양병 귀가 가지 못하는 것이 많이다.		
Depth (inches):		Hydric Soil Present? Yes X		
Pomorko:				
Redox Starts just	within 6			
HYDROLOGY	and the second			
HYDROLOGY	• and the second se			
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required	i; check all that apply)	Secondary Indicators (2 or more required)		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1)	I; check all that apply) Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2,		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2)	i; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<u>Secondary Indicators (2 or more required)</u> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)		
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> Surface Water (A1) High Water Table (A2) Saturation (A3)	l; check all that apply) 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 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	I; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	<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)		
HYDROLOGY Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one required</u> 	I; check all that apply) — 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 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	I; check all that apply) — 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) ots (C3) Geomorphic Position (D2)		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	I; check all that apply) — 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)	<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) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3)		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	I; check all that apply) — 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 (C4)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Ots (C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>X FAC-Neutral Test (D5)</li> </ul>		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	I: check all that apply) 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 (C4) Stunted or Stressed Plants (D1) (LRR A	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>ots (C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>X FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul>		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7)	I: check all that apply)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>X FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>		
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one required Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B7)	i: check all that apply)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>ots (C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li> Shallow Aquitard (D3)</li> <li> Raised Ant Mounds (D6) (LRR A)</li> <li> Frost-Heave Hummocks (D7)</li> </ul>		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	I: check all that apply)	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)         S)       X FAC-Neutral Test (D5)         N       Frost-Heave Hummocks (D7)		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	I: check all that apply)	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)         5)      K FAC-Neutral Test (D5)        Raised Ant Mounds (D6) (LRR A)        Frost-Heave Hummocks (D7)		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (B7         Sparsely Vegetated Concave Surface (I         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes	I: check all that apply)	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) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required	A: check all that apply)			
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	4: check all that apply)	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)     Sts (C3) Geomorphic Position (D2)     Shallow Aquitard (D3)     X FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  and Hydrology Present? Yes X No if available:		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required	4: check all that apply)			
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required	A: check all that apply)	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) Shallow Aquitard (D3) Shallow Aquitard (D5) A FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) And Hydrology Present? Yes No if available:		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required	4: check all that apply)	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)     X FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)     Frost-Heave Hummocks (D7)  and Hydrology Present? Yes X No if available:		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (B7         Sparsely Vegetated Concave Surface (I         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Saturation Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Cincludes capillary fringe)       Describe Recorded Data (stream gauge, model)         Remarks:       Image: Stream gauge, model)	4: check all that apply)	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) Shallow Aquitard (D3) X FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available:		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required	4: check all that apply)	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) Shallow Aquitard (D3) A FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available:		
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	4: check all that apply)	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) Shallow Aquitard (D3) A FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes No if available:		

Project/Site: West Post Light St	2 ci	ity/County: Wes	tPort	_ Sampling Date: <u>4-1</u>	3-4
Applicant/Owner: State Rents			State: WA	_ Sampling Point: SP-	<u>B4</u>
Investigator(s): P. Hamidi	S	ection, Township, Ra	inge:		in the second
andform (hillslope, terrace, etc.): DUNE Grace	bet_ L	ocal relief (concave,	convex, none):	Slope (%):	6
Subregion (LRR):	Lat:	and a second second	_ Long:	Datum:	
Soil Map Unit Name: DUNE Land			NWI classif	ication: Uplevel	1
Are climatic / hydrologic conditions on the site typical for th	nis time of year	? Yes X No	(If no, explain in	Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly di	isturbed? Are	"Normal Circumstances"	present? Yes X No	،
Are Vegetation, Soil, or Hydrology	naturally prob	lematic? (If n	eeded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing s	sampling point	locations, transect	s, important features	s, etc.
Hydrophytic Vegetation Present?       Yes         Hydric Soil Present?       Yes         Wetland Hydrology Present?       Yes         Remarks:       Photocomercian	No No	Is the Sample within a Wetla	d Area nd? Yes	No_X	
VEGETATION - Use scientific names of pla	nte				
	Absolute	Dominant Indicator	Dominance Test wo	rksheet:	
Tree Stratum (Plot size: <u>30</u> )	% Cover	Species? Status	Number of Dominant	Species	(4)
1. LINUS CONTERTS		+.45	That Are OBL, FACW	, or FAC:	(A)
3			Total Number of Dom Species Across All St	inant 3	(B)
4.			Borcont of Dominant	Spacios 32	. (=/
		= Total Cover	That Are OBL, FACV	, or FAC:	(A/B)
1 Pipus Constant	5	Y FAC	Prevalence Index w	orksheet:	i
2. CUTISUS SCOPENTIUS	- ID	4 UPL	Total % Cover of	: Multiply by:	<del>le</del> d
3. Harpocheris Lation			OBL species	x1=	-
4		A state	FAC vv species	x2= x3=	1.1
5			FACU species	x4=	
Herh Stratum (Plot size: 5)	-15-	= Total Cover	UPL species	x 5 =	3
1. Cavex Obnosta	10	OBL	Column Totals:	(A)	(B)
2. Hypochazris radicata	25	Y FACU	Prevalence Inde	ex = B/A =	
3. Agrostis Stadonitura	_15	- FAL	Hydrophytic Vegeta	tion Indicators:	-
4. Oromos Spi			1 - Rapid Test for	Hydrophytic Vegetation	
5. UNKNOWN CARSERS	20	<u> </u>	2 - Dominance Te	est is >50%	
6. Janacztum Dipinnato	M_10	015	3 - Prevalence In	dex is ≤3.0 <sup>1</sup>	
7			4 - Morphologica	Adaptations <sup>1</sup> (Provide sup	porting
8	<u> </u>		5 - Wetland Non-	Vascular <sup>®</sup> Plants <sup>1</sup>	
9			Problematic Hydr	ophytic Vegetation <sup>1</sup> (Explai	in)
11		a da ser ana ana ana ana ana ana ana ana ana an	<sup>1</sup> Indicators of hydric s	oil and wetland hydrology r	nust
	95 -	Total Cover	be present, unless dis	sturbed or problematic.	
Woody Vine Stratum (Plot size:)					
2		<u> </u>	Hydrophytic Vegetation	1	
۵			Present?	'es No	
	-	: Lotal Cover			
% Bare Ground in Herb Stratum		· Total Cover		,	

5.6

SOIL

Sampling Point: <u>SP-B4</u>

Profile Description: (Describe to the depth	needed to document the indicator o	r confirm the a	bsence of indicators.)
Depth <u>Matrix</u>	Redox Features		영양 문화 영상
(inches) <u>Color (moist)</u> <u>%</u>	<u>Color (moist)</u> % <u>Type<sup>1</sup></u>	Loc' Te	xture Remarks
0-18 104 412 100 -		- 1	+5
		100 C	the second s
			the second s
		and in the second	and the second
		1. 7	
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=R	educed Matrix, CS=Covered or Coated	Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix
Hydric Soil Indicators: (Applicable to all L	RRs, unless otherwise noted.)	1.00	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	_ Sandy Redox (S5)		2 cm Muck (A10)
Histic Epipedon (A2)	_ Stripped Matrix (S6)	a the second	Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except I	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)		
Sandy Mucky Mineral (S1)	Redox Dark Surface (F6)	C. S. C.	Indicators of hydrophytic vegetation and
Sandy Gleved Matrix (S4)	_ Depleted Dark Surface (F7) Redax Depressions (F8)		wetland hydrology must be present,
Restrictive Layer (if present):			unless disturbed of problematic.
Туре:	26.9		
Depth (inches):	지수는 회사는 것 같은 것 같은 것	Hyd	ric Soil Present? Yes No No
Remarks:			
6.11 11			
Till Gradge			The second second second second
1 000000			
HYDROLOGY			
Wetland Hydrology Indicators:			
Primary Indicators (minimum of one required;	check all that apply)		Secondary Indicators (2 or more required)
Surface Water (A1)	Water-Stained Leaves (B9) (exc	cept	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 Li	ving Roots (C3)	Geomorphic Position (D2)
Algal Mat or Crust (B4)	Presence of Reduced Iron (C4)		Shallow Aquitard (D3)
Iron Deposits (B5)	Recent Iron Reduction in Tilled	Soils (C6)	FAC-Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted or Stressed Plants (D1)	(LRR A)	Raised Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		Frost-Heave Hummocks (D7)
Sparsely vegetated Concave Surface (B8	)		
Field Observations:	V	1	
Surface water Present? Yes No	2 <u>X</u> Depth (inches):	-	
Water Table Dressel			
Water Table Present? Yes No	Depth (inches):	• 1 1 J 1 1	. /
Water Table Present?     Yes No       Saturation Present?     Yes No       (includes capillary fringe)     Yes No	Depth (inches): ∕ Depth (inches):	- Wetland Hy	rdrology Present? Yes No
Water Table Present?       Yes No         Saturation Present?       Yes No         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitor)	o Depth (inches): o Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy	rdrology Present? Yes No
Water Table Present?       Yes No         Saturation Present?       Yes No         (includes capillary fringe)       No         Describe Recorded Data (stream gauge, moning)       .	o Depth (inches): o ∕ _ Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy	rdrology Present? Yes No
Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, moni Remarks:	o Depth (inches): o Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy ections), if availa	rdrology Present? Yes No
Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, moni Remarks:	o Depth (inches): o ∕ _ Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy ections), if availa	rdrology Present? Yes No
Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, moni Remarks:	o Depth (inches): o ∕ _ Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy ections), if availa	rdrology Present? Yes No
Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, moni Remarks:	o Depth (inches): o ∕ _ Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy	rdrology Present? Yes No
Water Table Present? Yes No Saturation Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, moni Remarks:	o Depth (inches): o Depth (inches): toring well, aerial photos, previous inspe	Wetland Hy	rdrology Present? Yes NoKable:
Projectivitie:       UPUST Boott       Light S.P.       city/County:       Mit State:       Sampling Date:       4-5-21         Application/owner:       State:       Low Market       Sampling Date:       4-5-21         Application/owner:       State:       Low Market       Sampling Date:       4-5-21         Application/owner:       State:       Low Market       Sampling Date:       4-5-21         Sumegion (LRR):       All List:       Low Market       Dato:       Dato:         Sumagion (LRR):       All List:       Low Market       Non	WETLAND DETERMINATION DATA I	FORM – Western Mour	ntains, Valleys, and Coast Region
--	--	---	--
Applicant/Owner:       State:       With a state:       Durk:       Local relief (concave, convex, none):       Description:       Desc	Project/site: wastpart Light S.P.	City/County: Wast	Port Sampling Data: 4-15-21
Investigator(s):       P. Hat Middly       Section, Township, Range:	Applicant/Owner: State Parks		State: WA Sampling Point: SP-W-d/
Landform (hillslope, terrace, stc.): WttYdUYQL Local relief (concave, convex, none): <u>LenCccut</u> sope (%): <u>Datum</u> Subregion (LRR): <u>A</u> Lat <u>Long</u> : <u>Datum</u> . Buttmain (Renormal Convex, convex, none): <u>LenCccut</u> Sope (%): <u>Datum</u> Net destination: <u>Datum</u> <u>Buttmain</u> Are demailed hydrology conditions on the site typical for this time of year? Yes <u>No</u> <u>(fine, explain in Remarks.)</u> Net Vegetation <u>Soil</u> or Hydrology <u>instituative</u> <i>Are</i> "Normal Circumstances" present? Yes <u>No</u> <u>(fine, explain any answers in Remarks.)</u> SubmARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? <u>Yes <u>No</u> <u>(fine, explain any answers in Remarks.)</u> SubmARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophylic Vegetation Present? <u>Yes <u>No</u> <u>No</u> <u>(fine, explain any answers in Remarks.)</u> Wetfared W-d <u>Present</u>? <u>Yes <u>X</u> No <u>(fine, explain any answers in Remarks.) <b>VEGETATION</b> - Use scientific names of plants. Tage <u>Statum</u> (Plot size: <u>32</u> <u>Absolute</u> <u>Dominant Indicator</u> <u>Multichy Dr.</u> 4. <u>Species Arrows All Grast</u> <u>3</u> (R) Total Number of Dominant Species <u>Xite</u> <u>No</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: That we DBL, FACW, or FAC: <u>Mo</u> (WB) <b>Frowinsen index worksheet</b>: <b>1</b>. <u>Cavex</u> <u>Aboute</u> <u>5</u> <u>10</u> <u>Y</u> <u>QBL</u> <b>2</b>. <u>Tritfol1</u></u></u></u></u>	Investigator(s): P. Hamidi	Section, Township, Ran	
Subregion (LRR):	Landform (hillslope, terrace, etc.); INTERDUNGL	Local relief (concave, c	convex none): (2) (2) (2) Slone (%): (
Soil Map Unit Name:       DUNE Lawd       NWI classification:       PE M1 b         Are climatic? hydrologic conditions on the site typical for this time of year? Yes No (if no, explain in Remarks.)       Are Normal Circumstances' present? Yes No         Are Vegetation	Subregion (LRR):	t:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes        No	Soil Map Unit Name: DUNE Land		
Are Vegetation	Are climatic / hydrologic conditions on the site typical for this time	of year? Yea No	
Are Vegetation	Are Vegetation Soil or Hydrology signific	no No	
SumMark V of Find NGS - 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         Wetland Hydrology Present?       Yes       No       Is the sampled Area within a Wetland?       Yes       No         Remarks:       Photes 9 b-100       disfurct bed       Fram 010 & Got ff Course work(chad here a within a Wetland?       No         Wetland Hydrology Present?       Yes       No       Is the sampled Area within a Wetland?       No         Wetland Hydrology Present?       Yes       No       Is the sampled Area within a Wetland?       No         Wetland Hydrology Present?       Yes       No       Diminance Test worksheet:       No         Wetland Hydrology Closed       Absolute Dominant Indicator Species Status       Number of Dominant Species Status       Number of Dominant Species Status       Number of Dominant Species Status       (A)         1       Species Across All Strata:       3       (B)       Prevent of Dominant Species Stratus       (B)         2       SubJust Stratum (Plot size:       J       (A)       FACU Species X3 = I       (A)         3       Loopi Cacca       In Ulacoxata;       G       Y       FACU       No       (B)	Are Vegetation Soil or Hydrology pature	Use and the second s	Normal Circumstances present? Yes <u></u> No
DUMMARY OF FINUNCS - Attach site map showing sampling point locations, transects, important features, etc.         Hydrophytic Vegetation Present?       Yes       No         Hydrophytic Soil Present?       Yes       No       is the Sampled Area within a Wetland?       Yes       No         Wetland Hydrology Present?       Yes       No       is the Sampled Area within a Wetland?       Yes       No         Wetland Hydrology Present?       Yes       No       is the Sampled Area within a Wetland?       Yes       No         Remarks:       Mottand Mydrology Present?       Yes       No       is the Sampled Area within a Wetland?       Yes       No         Wetland Hydrology Present?       Yes       Modestate       No       is the Sampled Area within a Wetland?       Yes       No         Wetland Hydrology Present?       Wes       Area Modestate       No       No       No       No         Zestate       Modestate       Modestate       Deminance Test worksheet:       No       N		iny problematic? (If here	eded, explain any answers in Remarks.)
Hydrophylic Vegetation Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Yes       X       No       Is the Sampled Area         Wetland Hydrology Present?       Muttichar       No       Sampled Area       Work         // EGETATION - Use scientific names of plants.       Dominance Test worksheet:       Muttichar       No       Total Number of Dominant Species       Tat Are OBL, FACW, or FAC:       Motion (No)         1       Species Across All Strata:       3       (P)       Yes       (No)       No         2       Lubu's Cavincultzes       G       Yes       FACU       Prevelence Index worksheet:       Total Nocover of Cominant Species       x1 =<	SUMMARY OF FINDINGS – Attach site map show	wing sampling point lo	ocations, transects, important features, etc.
Productory Present?       Yes       Xes       No       is the Samped Area         Wetland Hydrology Present?       Yes       Xes       No	Hydrophytic Vegetation Present? Yes <u>X</u> No		
Remarks:       Tes       No       Image: Market in the second	Hydric Soil Present? Yes X No	uithin a Wetlan	Area d? Yes 📈 No
Withow       Photos 9 fb-100       Cistor bad       translot       OID Goof Goos is       Work         VEGETATION - Use scientific names of plants.       Image: Statum (Plot size: 32 // Status Statum (Plot size: 32 // Status Statum (Plot size: 32 // Status Statum (Plot size: 15 // Cover Species? Status Statum (Plot size: 15 // Cover Total Cover Total Cover Total Cover Total Cover Total Cover Total Cover Status (A)       Dominant Species // Cover Status (A)       Image: Cover Total Co	Remarks:		
Very Work       Not MoSaic       hus oud site fuels         VEGETATION - Use scientific names of plants.         Tree Stratum (Plot size: 30'       Absolute Dominant Indicator % Cover Species? Status       Dominance Test worksheet:         1.       % Cover Species? Status       Total Number of Dominant Species       3 (A)         2.	Wetterel 111-d Photos 96-	100 disturbed t	rom OLD Golf Course work
VEGETATION - Use scientific names of plants.         Tree Stratum (Plot size:	not mosaic	has old :	5: H fence, Sound accumulated
Tree Stratum       (Plot size:       3/2       Absolute % Cover       Dominant Indicator Species?       Dominance Test worksheet: Number of Dominant Species       3         1.       2.	VEGETATION – Use scientific names of plants.	at of the start	
Incestratum (Piot size:	Abs	solute Dominant Indicator	Dominance Test worksheet:
1.	<u>Iree Stratum</u> (Plot size: <u>30</u> ) <u>% (</u>	Cover Species? Status	Number of Dominant Species 3
Total Number of Dominant Species Across All Strata:       3	2		That Are OBL, FACW, or FAC: (A)
4.	3.		Total Number of Dominant
Sapling/Shrub Stratum (Plot size:       15' $\bigcirc$ = Total Cover       Prevent of Dominant Species       Ico       (AB)         1. $\bigcirc$	4		Species Across All Strata (B)
SaplindStrute Stratum (Plot size:	151	• = Total Cover	Percent of Dominant Species That Are OBL_EACW_or EAC: IOO (A/B)
1. $\Delta Y$ , $Y$ take $\Delta BS_{T}(X)$ ; $Y$ 10       1 <td>Sapling/Shrub Stratum (Plot size: ')</td> <td>D V EA</td> <td>Prevalence Index worksheet:</td>	Sapling/Shrub Stratum (Plot size: ')	D V EA	Prevalence Index worksheet:
2.       Looping Gain Multiplice Statum       Image: Stratum	2 Rubis armanie Cue	6 V FAC	Total % Cover of: Multiply by:
A	3 Lonicers involvedta	2 - FA	OBL species x 1 =
5.       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	4.		FACW species x 2 =
Herb Stratum (Plot size: $5'$ $19'$ $10''$ $10''$ $10'''$ $10''''''''''''''''''''''''''''''''''''$	5	"我们"一条"学生"。	FAC species x 3 =
Herb Stratum (Plot size:	<i>τ'</i> –	9 = Total Cover	FACU species x 4 =
1.       Carry Control (10 m/s)       10       10       Prevalence Index = B/A =	Herb Stratum (Plot size:)	to V or	Column Totals: $(A)$ (P)
2.       Prevalence Index = B/A =         3.	2 Trifalium SP	10 - 000	
4.	3	a the strate state to a	Prevalence Index = B/A =
5.	4		1 - Papid Test for Hydrophytic Vegetation
6.       3 - Prevalence Index is ≤3.0 <sup>1</sup> 7.       3 - Prevalence Index is ≤3.0 <sup>1</sup> 8.       4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)         9.       5 - Wetland Non-Vascular Plants <sup>1</sup> 10.       -         11.       -         Woody Vine Stratum (Plot size:       15'         1.       -         2.       -         % Bare Ground in Herb Stratum       5         Memarks:       -	5.		x 2 - Dominance Test is >50%
7.	6		$3$ - Prevalence Index is $\leq 3.0^1$
8	7		4 - Morphological Adaptations <sup>1</sup> (Provide supporting
9.	8		data in Remarks or on a separate sheet)
10.        Problematic Hydrophytic Vegetation* (Explain)         11.         Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.         Woody Vine Stratum (Plot size:       15'        Hydrophytic Vegetation* (Explain)         1.          Hydrophytic Vegetation* (Explain)         2.          Hydrophytic Vegetation* (Explain)         % Bare Ground in Herb Stratum         No	9	the second s	5 - Wetland Non-Vascular Plants'
11.	10		Problematic Hydrophytic Vegetation' (Explain) <sup>1</sup> Indicators of hydrophytic vegetation' (Explain)
Woody Vine Stratum     (Plot size:     15'	11	00	be present, unless disturbed or problematic.
1.	Woody Vine Stratum (Plot size: 15')	= Total Cover	Strength and the second
2.	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hydrophytic
% Bare Ground in Herb Stratum     5 $\mathcal{O}_{=}$ Total Cover     Present?     Yes     No       Remarks:	2		Vegetation
% Bare Ground in Herb Stratum       Remarks:		C= Total Cover	
	% Bare Ground in Herb Stratum		

SOIL

Sampling Point: SP-W-d1

(inches)	Color (moist)	%	Color (moist)	0/	Type1	1.002	Texture	Remarks
0-6	7.5V U/2	10-			ype	LOC	1 Ec	NEIIIaINS
10	2154 112	100	- Cula			<u> </u>		<u> </u>
<u>, - 10</u>	2.54 4/2	45	10412-414	_5_		<u></u>	UB	
	and the second							
		<u> </u>						
					_			
	centration D=Den	etion RM=					ains <sup>2</sup> l	
dric Soil In	dicators: (Application	able to all	LRRs, unless other	wise note	ed.)	u ound on	Indica	ators for Problematic Hydric Soils <sup>3</sup> :
Histosol (/	A1)		Sandy Redox (	S5)			2	cm Muck (A10)
Histic Epi	pedon (A2)		Stripped Matrix	(S6)			R	ed Parent Material (TF2)
Black Hist	ic (A3)		Loamy Mucky M	Mineral (F1	) (except	MLRA 1)		ery Shallow Dark Surface (TF12)
Hydrogen	Sulfide (A4)		Loamy Gleyed	Matrix (F2)	)	1.55	_ 0	ther (Explain in Remarks)
Depleted	Below Dark Surface	e (A11)	Depleted Matrix	(F3)	1.19			이야지 않는 것은 것이 같은 것이 있다.
_ Thick Dar	k Surface (A12)		Redox Dark Su	rface (F6)			<sup>3</sup> Indica	ators of hydrophytic vegetation and
_ Sandy Mu	cky Mineral (S1)		Depleted Dark	Surface (F	7)		we	tland hydrology must be present,
_ Sandy Gl	eyed Matrix (S4)		Redox Depress	ions (F8)	1.145.1	1.1.1	uni	ess disturbed or problematic.
estrictive La	ayer (if present):	1.10	Contract of the	- Carl		Sala and		
Туре:		a start	<u>(</u>				2.2.42	
Depth (incl	hes):	1				Sec.	Hydric Sc	oil Present? Yes 🔀 No 🔜
			and the second se		100	A	2011	
emarks:			بن ۲۰۱۹ .					
emarks:	GY		4 <sub>9</sub> :					
emarks: /DROLOC /etland Hyd	GY rology Indicators:		d: check all that and				Sec	randary Indicators (2 or more required)
emarks: /DROLOC /etland Hyd rimary Indica Surface V	GY rology Indicators: ators (minimum of c	ne require	d; check all that app	ly)	es (B9) (e	xcent	<u>Sec</u>	condary Indicators (2 or more required)
emarks: YDROLOO /etland Hyd rimary Indica Surface V Higb Wot	GY rology Indicators: ators (minimum of c Vater (A1) or Tabla (A2)	ne require	d; check all that appl Water-Sta	ly) lined Leave	es (B9) (e	xcept	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1,
emarks: /DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) o (A2)	ne require	d; check all that appl Water-Sta MLRA Salt Crust	ly) ined Leave 1, 2, 4Α, a (B11)	es (B9) (e and 4B)	xcept	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10)
emarks: /DROLOO /etland Hyd rimary Indica _ Surface V _ High Wat _ Saturation Water Ma	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) where (B1)	ne require	d; check all that app Water-Sta MLRA Salt Crust	ly) ined Leave 1, 2, 4A, a (B11)	es (B9) (e and 4B)	xcept	<u>Sec</u>	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dre-Season Water Table (C2)
emarks: /DROLOG /etland Hyd rimary Indica 	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) urks (B1) Dopagita (B2)	ne require	d: check all that app Water-Sta Salt Crust Salt Crust Aquatic In Hydrogen	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Or	es (B9) (e and 4B) s (B13)	xcept	<u>Sec</u> 	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imageny (
emarks: YDROLOO Yetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Sediment	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) : Deposits (B2) erite (B2)	ne require	d; check all that app Water-Sta Salt Crust Salt Crust Aquatic In Hydrogen	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc	es (B9) (e and 4B) s (B13) dor (C1) res along	xcept	<u>Sec</u> 	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2)
emarks: //DROLOO /etland Hyd rimary Indica 	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) : Deposits (B2) posits (B3) posits (B3)	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized f	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe	es (B9) (e and 4B) s (B13) dor (C1) res along	xcept	<u>Sec</u>   ts (C3) Z	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D2)
emarks: YDROLOO Yetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) t Deposits (B2) posits (B3) or Crust (B4) mite (B5)	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Pecent Irr	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille	xcept Living Roof 4) d Soils (C6)	s (C3)	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) EAC-Neutral Test (D5)
emarks: YDROLOO Yetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5)	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted of	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	xcept Living Root 4) d Soils (C6)	s (C3) Z	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LBB A)
emarks: YDROLOO Yetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Surface S	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) politic on Acrial	ne require	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted ou	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizospher of Reduce on Reduction r Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	ts (C3)	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Erost-Heave Hummocke (D7)
emarks: //DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Snaraev	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aerial Variated Concern	magery (B	d: check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted ou 57) Other (Exp (R8)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphei of Reduce on Reduction r Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	Sec  ts (C3) Z  ) Z 	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Verland Hyd rimary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) urks (B1) : Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave	me require magery (B	d: check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Inc Stunted ou 57) Other (Ex) (B8)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce on Reduction r Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	s (C3)	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks: /DROLOO /etland Hyd rimary Indica Surface V High Wate Saturation Water Ma Drift Depo Algal Mate Iron Depo Surface S Inundatio Sparsely ield Observ	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Bresent?	magery (B e Surface (	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted ou 57) Other (Exp (B8)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)	Sec 	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks: YDROLOO Yetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Drift Depo Algal Mat Iron Depo Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ urface Wate	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y	magery (B e Surface ( es	d; check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Inc Stunted ou To Cher (Ex) (B8)	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roof 4) d Soils (C6) 11) (LRR A)	s (C3) Z	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks: YDROLOO Yetland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depe Algal Mat Iron Depo Surface S Inundatio Sparsely ield Observ water Table F	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y	magery (B e Surface ( es	d; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized I Presence Recent Irc Stunted on TO Other (Ex) (B8) No X Depth (in No X Depth (in	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re- plain in Re- plain in Re-	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 11) (LRR A)	s (C3)	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks: /DROLOO /etland Hyd rimary Indica 	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y esent? Y	magery (B e Surface ( es es	d; check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted on TO Other (Ex) (B8) No Depth (in No Depth (in	(B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re aches): aches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	s (C3) 2	condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
emarks: /DROLOO /etland Hyd rimary Indica Surface V High Wat Saturation Water Ma Sediment Nuter Ma Sediment Nuter Ma Sediment Nuter Ma Surface S Inundation Surface S Inundation Sparsely ield Observ urface Water /ater Table F aturation Pro- ncludes capi escribe Rec	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) Goil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y esent? Y esent? Y ator at (Stream	magery (B e Surface ( es es gauge, m	d: check all that appl	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphel of Reduce on Reduction r Stressed plain in Re aches): aches): photos, pro	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A) 		condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primary Indica Primary Indica Primary Indica Surface V High Wate Saturation Vater Ma Sediment Drift Depo Algal Mate Iron Depo Surface S Inundatio Sparsely Surface Wate Vater Table F Saturation Pro- Surface Rec	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y Present? Y esent? Y esent? Y atom of c Y esent? Y	magery (B e Surface ( es es gauge, ma	d: check all that appl	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re plain in Re plains; photos, pressing photos, photos, ph	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Root 4) d Soils (C6) 1) (LRR A)   wetla spections), i		eondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks: YDROLOC Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Orift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely Field Observ Surface Wate Nater Table F Saturation Pro- includes capi Describe Rec	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) : Deposits (B2) osits (B3) : or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y Present? Y esent? Y esent? Y esent? Y	magery (B e Surface ( es es gauge, mo	d; check all that appl	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re uches): hches): photos, pre	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 1) (LRR A) 		Condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks: YDROLOC Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Drift Depo Surface S Inundatio Sparsely Surface Water Nater Table F Saturation Pro Surface Water Vater Table F Saturation Pro Surface Records Construction Pro- Saturation Pro-	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) a Deposits (B2) osits (B3) a or Crust (B4) osits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y Present? Y esent? Y esent? Y ator a stream orded Data (stream	magery (B e Surface ( es es gauge, mo	d; check all that appl	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re aches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Roof 4) d Soils (C6) 11) (LRR A)  		condary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks: YDROLOO Vetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Sediment Orift Depo Algal Mat Iron Depo Surface S Inundatio Sparsely Vater Table F Saturation Pre includes capi Describe Rec Remarks:	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Soil Cracks (B6) n Visible on Aerial Vegetated Concave ations: r Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y	magery (B es Surface ( es gauge, m gauge, m	d; check all that app Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Irc Stunted on TO No Depth (in No D	y) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re- uches): photos, pro-	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) evious ins	xcept Living Roof 4) d Soils (C6) 11) (LRR A)  wetla spections), i	ts (C3)	eondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Primarks: Primary Indica Primary Indica Surface V High Wate Saturation Water Ma Sediment Sediment Algal Mate Iron Depo Algal Mate Iron Depo Surface S Inundatio Sparsely ield Observ Surface Wate Vater Table F Saturation Pro- ncludes capi Describe Reco Semarks: Contemport	GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) Goil Cracks (B6) n Visible on Aerial I Vegetated Concave ations: r Present? Y Present? Y Present? Y Present? Y Present? Y Present? Y Drag Gd Data (stream	magery (B e Surface ( es es gauge, mo	d: check all that app	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizospher of Reduce on Reduction r Stressed plain in Re- aches): photos, pro-	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Root 4) d Soils (C6) 11) (LRR A)  wetla spections), i	ts (C3) K	eondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery ( Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)

Project/Sites 122+Part Light SP		n – West		the Polat	L Coast Region	1-15.21
Applicant/Quese St. La Parks	(	City/County:	- ~ ~ ~		Sampling Date:	2420
Investigator(a) R his mich				State:	Sampling Point: <u>&gt;</u>	1-w-9
	`	Section, To	wnship, Rai	nge:		~
Landform (hillslope, terrace, etc.): $DJNZ$		Local relief	(concave, o	convex, none): Con	Slope	: (%): <u></u>
Subregion (LRR):	.at:			Long:	Datum	
Soil Map Unit Name: DUNC Cand	-			NWI classific	ation: UP	ind
Are climatic / hydrologic conditions on the site typical for this tim	ne of yea	ar? Yes	K No_	(If no, explain in R	emarks.)	
Are Vegetation, Soil, or Hydrology signit	ficantly o	disturbed?	Are "	Normal Circumstances" p	present? Yes K	No
Are Vegetation, Soil, or Hydrology natur	rally prol	blematic?	(If ne	eded, explain any answe	rs in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sho	owing	sampling	g point le	ocations, transects	, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes No	X	1.0	10000		State State St	
Hydric Soil Present? Yes No	x	Is the	e Sampled	Area	×	
Wetland Hydrology Present? Yes No	X	with	in a wetlar	d7 Yes	NO	1.00
Remarks: Photos 10/-103			Sec.			6 N.
1					1.1.1.1.1.1.1.1	
VEGETATION – Use scientific names of plants.	-		100			inter di surge
	osolute	Dominant	Indicator	Dominance Test work	sheet:	
<u>Tree Stratum</u> (Plot size: $30'$ %	Cover	Species?	Status	Number of Dominant S	pecies /	
1			<u></u>	That Are OBL, FACW,	or FAC:	(A)
2			100 AC	Total Number of Domin	ant 3	
A				Species Across All Stra	ita:	(B)
	0	= Total Co		Percent of Dominant S	pecies 77	3
Sapling/Shrub Stratum (Plot size: 15 ) -		- 10(a) 00		That Are OBL, FACW,	or FAC:	(A/B)
1. Cytisus scoparius	2	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	UPL	Total % Cover of:	KSNeet:	b. <i></i>
2	4			OBL species	<u></u>	υγ
3			- All	FACW species	x 2 =	
4	100 A 100			FAC species	x 3 =	the supervision of the
5	2	- Total Ca		FACU species	x 4 =	11
Herb Stratum (Plot size: <u>5'</u> ) –		- Total Cov		UPL species	x 5 =	
1. Ammophila arenaria	5	1	FACU	Column Totals:	(A)	(B)
2. Agrostis stolonitika	5	¥	FAC.	Prevalence Index	= B/A =	
3. Leonfodor severilis	5	<u> </u>	FACU	Hydrophytic Vegetation	on Indicators:	
4. Fragaria Childensis	1.	<u> </u>	FACU	1 - Rapid Test for H	Hydrophytic Vegetat	ion
5. Physical Stranger	-		1101	2 - Dominance Tes	it is >50%	
- Pelicentin pullingunia	/		OPL	3 - Prevalence Inde	ex is ≤3.0 <sup>1</sup>	
/				4 - Morphological A	Adaptations <sup>1</sup> (Provid	e supporting
9				5 - Wetland Non-V	ascular Plants <sup>1</sup>	neety
10.				Problematic Hydro	phytic Vegetation <sup>1</sup> (I	Explain)
11.	1 - F			<sup>1</sup> Indicators of hydric soi	I and wetland hydro	logy must
1.~/	18	= Total Cov	er	be present, unless dist	urbed or problematic	
Woody Vine Stratum (Plot size: 15)	Point 1	•			1997 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 -	
1	1 2		<u></u>	Hydrophytic		
2	0			vegetation Present? Ye	s No V	÷
% Bare Ground in Herb Stratum 80		= Total Cov	er			
Bomarks:						
Remarks.						

#### SOIL

.

Sampling Point: SP-W-dz

Profile Desc	ription: (Describe	to the dept	n needed to docur	nent the in	ndicator	or confirm	the absence of indic	ators.)
Depth	Matrix		Redo	x Features	1.1			Demode
(inches)	<u>Color (moist)</u>	%	Color (moist)	%	Type'	Loc		Remarks
0-18	104/R 4/2	100		<u> </u>			Savel	
	and the second second				_	S	- Lung have	
1000		1. N. 1943	1		- Prove and	1000	West States	
				Contraction (	iter in			
			the state of the s					
							بسيبين ومتصفية	· · · · · · · · · · · · · · · · · · ·
						2.2.2.2	and the second	
<sup>1</sup> Type: C=Co	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, CS	S=Covered	or Coate	d Sand Gra	ains. <sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators: (Applic	able to all L	RRs, unless other	wise note	ed.)		Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Sandy Redox (S	S5)			, 2 cm Muck (/	A10)
Histic Ep	oipedon (A2)		_ Stripped Matrix	(S6)			Red Parent	Material (TF2)
Black Hi	stic (A3)	i ant i è	Loamy Mucky Muc	Aineral (F1	) (except	MLRA 1)	Very Shallow	Dark Surface (TF12)
Hydroge	n Sulfide (A4)	-	Loamy Gleyed I	Matrix (F2)			Other (Expla	in in Remarks)
Depleted	Below Dark Surfac	ce (A11)	Depleted Matrix	(F3)			3	
Thick Da	ark Surface (A12)	1. 1. 1. 1. 1.	Redox Dark Su	rface (F6)	-		Indicators of hyd	rophytic vegetation and
Sandy N	Nucky Mineral (S1)		_ Depleted Dark :	Surface (F	0		upless disturb	ed or problematic
Sandy C	bleyed Matrix (54)		Redux Depress	1011S (FO)				
Tuno	Layer (ii present).					100		
Type:						1.1	Hudrie Seil Procent	Vos No X
Depth (In	cnes):			15.1.5	10.00	. Bround	Hydric Soli Fresenc	
1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 -		9 - 100 - 17 - 5 - <del>4</del> - 7			de			
HYDROLC	GY			Lease 1	15. 3.	Stra Th	and shake the trail	Martine Martine Martine
Wetland Hy	drology Indicators						Casandany Indi	instars (2 or more required)
Primary Indi	cators (minimum of	one required;	check all that appl	<u>v)</u>	- (DO) (		Secondary Ind	read Leaves (D0) (ML DA 1 2
Surface	Water (A1)		Water-Stai	ned Leave	s (B9) (e)	ccept	vvater-Star	ned Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA	1, 2, 4A, a	na 4B)	8 S S 28	4A, and	a 46) Detterne (B10)
Saturati	on (A3)		Salt Crust	(811)	(540)		Drainage P	
Water M	larks (B1)		Aquatic Inv	Vertebrates	(B13)		Dry-Seaso	Visible on Asriel Imagony (CO)
Sedime	nt Deposits (B2)		Hydrogen	Sumae Oa		Indus Deal		visible of Aerial Imagery (CS)
Drift De	posits (B3)			nizospher	es along i		Is (C3) Geomorph	nic Position (D2)
Algal Ma	at or Crust (B4)		Presence (	of Reduced	i iron (C4	)   Calla (CC)	Shallow A	quitard (DS)
Iron Dep	posits (B5)		Recent Iro		Dianta (D)		) FAC-Neut	t Moundo (D6) (LBB A)
Surface	Soil Cracks (B6)		Stunted or	Stressed I	Plants (D	I) (LKK A)		
Inundati	on Visible on Aerial	Imagery (B7)	) Other (Exp	lain in Rer	narks)		Frost-Hea	ve Hummocks (D7)
Sparsel	y Vegetated Concav	e Surface (B	8)					
Field Obser	vations:	Street 1	1					
Surface Wat	ter Present?	Yes N	o <u>/</u> Depth (inc	ches):		-1		
Water Table	Present?	Yes N	o Depth (ind	ches):	2	_		$\checkmark$
Saturation F	resent?	Yes N	o Depth (ind	ches):		_ Wetla	and Hydrology Preser	nt? Yes No _^
(includes ca	pillary tringe) corded Data (stream	n gauge mor	nitoring well aerial	photos pre	vious ine	nections) i	f available:	
Describe Re	John Data (Sireal	gaage, mor	intering wen, dendi j			, r		
Dered		1999 - 1999 -			. C			
Remarks:			· · ·					
and the second								
1	here a la construction de la constru				_	1. ·		-

WETLAND DETERMINATION D	ATA FORM - Weste	ern Mour	ntains, Valleys, and Coast Region
Project/Site: WESTPOST Light SP	City/County:	Wes	HOLD Sampling Date: 4-15-2
Applicant/Owner: State PENRS		492	State: WA Sampling PointSP-W-EI
Investigator(s): P. A. midi	Section, Tow	vnship, Rar	nge:
Landform (hillslope, terrace, etc.); Interch	Local relief	(concave. c	convex none): COFAVE Slope (%):
Subregion (LRR):	Lat:	(	Long: Datum:
Soil Map Unit Name: DUNC LOND			NWI classification: PEMIA
Are climatic / hydrologic conditions on the site typical for t	his time of year? Yes	X No	(If no explain in Remarks )
Are Vegetation Soil or Hydrology	significantly disturbed?	NO	
Are Vegetation Soil or Hydrology	_ significantly disturbed?	/if no	eded explain any answers in Remarks )
		(in the	
SUMMARY OF FINDINGS – Attach site map	p showing sampling	j point lo	ocations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes Yes	No	Compled	<u>같은</u> 것 같은 것 같은 것 같은 것 같은 것 같이 다. 가
Hydric Soil Present? Yes X	No with	n a Wetlan	Area Id? Yes K. No
Remarks:	N0		
Photos 104-12 Westand	W-E		
1. 93 10 1 140			
VEGETATION – Use scientific names of pla	ants.		
1-1	Absolute Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 15')	<u>% Cover</u> Species?	Status	Number of Dominant Species 7
1			That Are OBL, FACW, or FAC: (A)
2			Total Number of Dominant
4			Species Across All Strata: (B)
	= Total Co	ver	Percent of Dominant Species
Sapling/Shrub Stratum (Plot size: 15)	and a second the first states	+ 1-	Prevalence Index worksheet:
1. Pinus Contoxita		PAR	Total % Cover of: Multiply by:
2. ROBUS an manigeus			OBL species x 1 =
3		135.7	FACW species x 2 =
4		10	FAC species x 3 =
-/	= Total Co	ver	FACU species x 4 =
Herb Stratum (Plot size:)	20 1	1-RI	UPL species         x 5 =           Ophuma Tatala         (1)
1. Carex obnupta		FACI	(A) (B)
2. Status Janadak	- <u>Get</u> #	TEAL.	Prevalence Index = B/A =
TUNCUS NEVERDEN SIS	- 70 - 7	EACU	Hydrophytic Vegetation Indicators:
5 Leontodon saxatilis	- 10	PACN	1 - Rapid Test for Hydrophytic Vegetation
6 Agrostis stolonifera	$-\overline{10}$	FAC	3 - Prevalence Index is < 3.01
7.		1997	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
8	and the second second	man mil	data in Remarks or on a separate sheet)
9		-	5 - Wetland Non-Vascular Plants <sup>1</sup>
10			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
11			Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: 15)	<u>40</u> = Total Cov	/er	
1			Hudrophytic
2.		1999	Vegetation
	= Total Cov	/er	Present? Yes V No
% Bare Ground in Herb Stratum			
Remarks:			
to the fact of the second			

SOIL

Sampling Point: SP-W-E1

Profile Description: (Describe to the o	depth needed to docun	nent the i	nuicator	or continu	the absence	of indicators.)
Depth Matrix	Redo	x Features	3		1	
(inches) Color (moist) %	Color (moist)	_%	_Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-29 25 9/2 95	2,54414	5	C	M	LPS	
Q-18 2.54 4/1.59	0 12484/4	10	C	M	LFS	
<u>+</u>				1.1	1999 P. 199	
				1000	S 2	
						the second s
					- and the second second	the second se
		-	<u></u>	_	1.1.1.1	
		1440	199	1994		
<sup>1</sup> Type: C=Concentration, D=Depletion, I	RM=Reduced Matrix, CS	S=Covered	or Coate	d Sand Gra	ains. <sup>2</sup> Loc	ation: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to	all LRRs, unless other	wise not	ed.)		Indicato	rs for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	K Sandy Redox (S	S5)			2 cn	n Muck (A10)
Histic Epipedon (A2)	Stripped Matrix	(S6)			Red	Parent Material (TF2)
Black Histic (A3)	Loamy Mucky N	Aineral (F1	) (except	MLRA 1)	Very	Shallow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed I	Matrix (F2	)		Othe	er (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix	(F3)			2	
Thick Dark Surface (A12)	Redox Dark Su	rface (F6)			°Indicato	rs of hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark	Surface (F	7)		wetla	nd hydrology must be present,
Sandy Gleyed Matrix (S4)	Redox Depress	sions (F8)	1.1.2		unies	s disturbed of problematic.
Restrictive Layer (if present):					1. 19 10 10	
					Undria Cail	Brecont? Yos X No
Depth (Inches):		1.1.1.1	Sec. 2	1.11.11	Hyunc Soli	
Remarks:						
the second second				10.00		
a water	· Martin		6 m m			
		1.00				
				<u>.</u>		
HYDROLOGY					1.7.5	Salvali Drušej (
HYDROLOGY Wetland Hydrology Indicators:			<u>.</u>			2000 10 - 200 (C
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one reg	uired; check all that appl	ly)			Secor	dary Indicators (2 or more required)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1)	uired; check all that appl Water-Sta	ly) ined Leav	es (B9) (e	xcept	<u>Secor</u> W	Idary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2,
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2)	uired; check all that appl Water-Sta MLRA	<u>ly)</u> ined Leav 1, 2, 4A, a	es (B9) (e and 4B)	xcept	<u>Secor</u> W	Idary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3)	uired: check all that appl Water-Sta MLRA Salt Crust	ly) iined Leav 1, 2, 4A, a (B11)	es (B9) (e and <b>4B)</b>	xcept	<u>Secor</u> W W	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In	ly) ined Leav 1, 2, 4A, a (B11) vertebrate	es (B9) (e and 4B) s (B13)	xcept	<u>Secor</u> W D D	Idary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2)
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen	ly) iined Leav 1, 2, 4A, a (B11) vertebrate Sulfide Od	es (B9) (e and 4B) s (B13) dor (C1)	xcept	<u>Secor</u> W D D S	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9)
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence	ly) ined Leav 1, 2, 4A, a (B11) vertebrate Sulfide Oo Rhizosphe of Reduce	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4	xcept Living Roof	<u>Secor</u> W D D S ts (C3) <u>X</u> G	Adary Indicators (2 or more required) Vater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3)
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HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req 	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or	(B11) vertebrate Sulfide Oc Rhizosphe of Reducei on Reducti r Stressed	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D D S ts (C3) ⊻ G S )∠ F	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A)
HYDROLOGY           Wetland Hydrology Indicators:           Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D D S ts (C3) ⊻ G S )∠ F. R F	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
HYDROLOGY           Wetland Hydrology Indicators:           Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8)	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D D S ts (C3) ⊻ G S S S F	dary Indicators (2 or more required) /ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
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HYDROLOGY           Wetland Hydrology Indicators:           Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8)	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D S S ts (C3) ⊻ G S ) F F	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ny-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
HYDROLOGY          Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired; check all that appl 	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D S ts (C3) ⊻ G S ) F R F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No X Depth (in	(B11) vertebrate Sulfide Oc Rhizosphe of Reducei on Reducti r Stressed plain in Re ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks)	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D D S ts (C3) ⊻ G S S F F	dary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
HYDROLOGY           Wetland Hydrology Indicators:           Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No Depth (in No Depth (in No Depth (in	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)	<u>Secor</u> W D D S ts (C3) ⊻ G S ) F F F F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No X Depth (in No X Depth (in No X Depth (in No X Depth (in	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)  Wetla spections), i	<u>Secor</u> W D D S S S R F F f and Hydrolog	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one req 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 Imager Sparsely Vegetated Concave Surfa Field Observations: Surface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge Remarks:	uired; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No X Depth (in No X Depth (in No X Depth (in	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)  Wetla spections), i	<u>Secor</u> W D S ts (C3) ⊻ G S )⊻ F, R F F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No
HYDROLOGY          Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No X Depth (in No X Depth (in No X Depth (in No X Depth (in	(B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches): ches): ches):	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D marks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)  Wetta spections), i	<u>Secor</u> W D S S S F F F F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired; check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No Depth (in No Depth (in No Depth (in	(B11) vertebrate Sulfide Oc Rhizosphe of Reducei on Reducti r Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)   wetla	<u>Secor</u> W D D S S S S S F F F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? Yes X No
HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No X Depth (in No X Depth (in No X Depth (in	ly) ined Leave 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)  Wetla spections), i	<u>Secor</u> W D D S S S S F F F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7) y Present? YesX No
HYDROLOGY          Wetland Hydrology Indicators:         Primary Indicators (minimum of one req	uired: check all that appl Water-Sta MLRA Salt Crust Aquatic In Hydrogen Oxidized F Presence Recent Iro Stunted or y (B7) Other (Exp ce (B8) No X Depth (in No X Depth (in No X Depth (in No X Depth (in	ly) ined Leav. 1, 2, 4A, a (B11) vertebrate Sulfide Oc Rhizosphe of Reduce on Reducti r Stressed plain in Re ches): ches): photos, pr	es (B9) (e and 4B) s (B13) dor (C1) res along ed Iron (C4 on in Tille Plants (D emarks) evious ins	xcept Living Roof 4) d Soils (C6) 1) (LRR A)   wetla spections), i	<u>Secor</u> W D D S S S F F F F	Adary Indicators (2 or more required) (ater-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) rainage Patterns (B10) ry-Season Water Table (C2) aturation Visible on Aerial Imagery (C9) eomorphic Position (D2) hallow Aquitard (D3) AC-Neutral Test (D5) aised Ant Mounds (D6) (LRR A) rost-Heave Hummocks (D7)

WETLAND DETERMINATION DA	TA FORM	- Western Mou	ntains, Valleys, and	d Coast Region	
Project/Site: WestPost Light SP	Ci	ty/County: West	tPort	Sampling Date: 4-1	5-21
Applicant/Owner: State Panes			State: WA	Sampling Point: SP-	W-E
nvestigator(s): P. Hamidi	Se	ection, Township, Ra	nge:		19 1
andform (hillslope, terrace, etc.); DUNE		ocal relief (concave.	convex. none): Cool	EX Slope (%):	3
Subregion (LRR): A	Lat:			Datum:	
Soil Man Unit Name: DUNE LAND		1.4 . Ye.	N\\\/L classifi	ration: Uplated	
Are climatic / hydrologic conditions on the site turing for this	a time of year		(If no, explain in F	Pemarke )	10 <sup>-1</sup>
are Vegetation Soil or Hydrology			(ITTO, explain ITT	remarks.)	•
ve Vegetation, Soil, of Hydrologys	significantiy di	sturbed? Are	Normal Circumstances	ore in Romarke )	°
, or Hydrology	naturally probl	ematic? (If ne	eeded, explain any answe		
SUMMARY OF FINDINGS – Attach site map	showing s	ampling point l	ocations, transects	s, important feature	s, etc.
Hydrophytic Vegetation Present? Yes N	lo	In the Country			- 1
Hydric Soil Present? Yes N	IO X	within a Wetla	nd? Yes	No K	
Vvetland Hydrology Present? Yes N	10				
Photos 107-111					$\mathcal{A}_{i_1,\dots,i_r}$
					-0. T
VEGETATION – Use scientific names of plan	nts.			2 March	
2-1	Absolute	Dominant Indicator	Dominance Test work	(sheet:	
Tree Stratum (Plot size: 50')	% Cover	Species? Status	Number of Dominant S	species /	
1			That Are OBL, FACW,	or FAC:	. (A)
2			Total Number of Domin	nant Z	(7)
3			Species Across All Str	ata:	(B)
	0	Total Cover	Percent of Dominant S	pecies 50	(A/B)
Sapling/Shrub Stratum (Plot size: 15')			Provalence Index wo	vir FAC.	- (~0)
1. Malus fusca	2	FAGU	Total % Cover of	Multiply by	£
2. CYTISUS SCOPANIUS	- 15	Y OPL	OBL species	x 1 =	
3. Vaccinium ovatur.		FVICO	FACW species	x 2 =	
4	<u>a.</u> 1		FAC species	x 3 =	_
5	19	= Total Cover	FACU species	x 4 =	- 1
Herb Stratum (Plot size: 5')			UPL species	x 5 =	-
1. Ammophile arenaria	60	Y FACU	Column Totals:	(A)	_ (B)
2. Holaus langetus	- 5	<u></u>	Prevalence Index	c = B/A =	
3. Polugonum Parotivonia		DPL	Hydrophytic Vegetat	on Indicators:	
4. Fragaria childensis		FULL	1 - Rapid Test for	Hydrophytic Vegetation	
5	Mich Color	ने रेड के से में	2 - Dominance Te	st is >50%	
6	The second	and the second	3 - Prevalence Inc	lex is ≤3.0' Adaptations <sup>1</sup> (Deside sur	
7		16 1 A	data in Remark	s or on a separate sheet)	porung
q	2.6.2.		5 - Wetland Non-V	/ascular Plants <sup>1</sup>	
10.			Problematic Hydro	ophytic Vegetation <sup>1</sup> (Expla	in)
11.			<sup>1</sup> Indicators of hydric so	il and wetland hydrology	must
	_73_=	Total Cover	pe present, unless dis	urbed of problematic.	-
Woody Vine Stratum (Plot size:)					
1	-	in set	Hydrophytic		1
2		Total Covor	Present? Ye	es NoX	
	-				
% Bare Ground in Herb Stratum5			0		

#### SOIL

Sampling Point: SF-W-EZ

Profile Desc	cription: (Describe	to the dept	h needed to docu	ment the in	dicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Features	1 6		1	
(inches)	Color (moist)		Color (moist)		Type'	_Loc <sup>2</sup>		Remarks
81-0	124K 412	100	-		~		IB	
					S. Cont	6 M 19 19 19 19 19 19 19 19 19 19 19 19 19	10000	
	A STATISTICS	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	sal la fai	and the	and the second		No. Propagation in the second second
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and the second			- and the second		Lange Lange		S. Sugara	
						and a state of the		
10.00						1.1		
100000	and the second				100	1.11		- Alternative -
17.mei C-C		alation DM-	Deduced Metric Of				. 2.	
Hydric Soil	Indicators: (Applic	cable to all I	Reduced Matrix, C	S=Covered	or Coate	d Sand Gra	ains. "Loo	cation: PL=Pore Lining, M=Matrix.
Listoral			-rrs, unless othe	rwise note	a.)		Indicato	Music (A40)
Histosol	ninedon (A2)	Sec. 1.	Sandy Redox (	55)			2 cn	n Muck (A10) Barent Material (TE2)
Black H	istic (A3)		Supped Matrix	(SO) Mineral (E1)	(avcant	MI DA 1)	Keu	v Shallow Dark Surface (TF12)
Hydroge	en Sulfide (A4)		Loamy Gleved	Matrix (F2)	fexcehr	WILKA I)	Othe	er (Explain in Remarks)
Deplete	d Below Dark Surfac	ce (A11)	Depleted Matrix	x (F3)				- (,
Thick D	ark Surface (A12)		Redox Dark Su	Inface (F6)			<sup>3</sup> Indicato	ors of hydrophytic vegetation and
Sandy M	Mucky Mineral (S1)		Depleted Dark	Surface (F7	)		wetla	nd hydrology must be present,
Sandy (	Gleyed Matrix (S4)	1.2.1	Redox Depress	sions (F8)		1.1	unles	s disturbed or problematic.
Restrictive	Layer (if present):		1. S. S. S. S. S. S.	2.		100		
Туре:	and the second		<u></u>				Same .	
Depth (in	nches):						Hydric Soil	Present? Yes No
HYDROLC	OGY				1	20	3.3.3	
Wetland Hy	drology Indicators	1.1.2			19.26	Ale Ale	11 S	attende to a the
Primary Indi	cators (minimum of	one required	; check all that appl	<u>y)</u>		1.1.5	Secor	ndary Indicators (2 or more required)
Surface	Water (A1)		Water-Sta	ined Leaves	s (B9) (ex	kcept	_ v	Vater-Stained Leaves (B9) (MLRA 1, 2,
High Wa	ater Table (A2)		MLRA	1, 2, 4A, an	nd 4B)			4A, and 4B)
Saturati	on (A3)		Salt Crust	(B11)			_ D	Prainage Patterns (B10)
Water M	Aarks (B1)		Aquatic In	vertebrates	(B13)		<u></u> D	Pry-Season Water Table (C2)
Sedime	nt Deposits (B2)		Hydrogen	Sulfide Odd	or (C1)		S	Saturation Visible on Aerial Imagery (C9)
Drift De	posits (B3)		Oxidized F	Rhizosphere	es along l	Living Root	ts (C3) G	Geomorphic Position (D2)
Algal Ma	at or Crust (B4)		Presence	of Reduced	Iron (C4	)	s	Shallow Aquitard (D3)
Iron De	posits (B5)		Recent Iro	n Reduction	n in Tilleo	d Soils (C6	)F	AC-Neutral Test (D5)
Surface	Soil Cracks (B6)		Stunted or	Stressed F	Plants (D	1) (LRR A)	F	Raised Ant Mounds (D6) (LRR A)
Inundat	ion Visible on Aerial	Imagery (B7	) Other (Exp	olain in Rem	narks)		F	rost-Heave Hummocks (D7)
Sparsel	y Vegetated Concav	e Surface (E	(8)					
Field Obser	rvations:	÷ .			10 C U			
Surface Wa	ter Present?	Yes N	lo 🖌 Dépth (in	ches):		a hard in		
Water Table	e Present?	Yes N	lo <u>V</u> Depth (in	ches):	÷ 47 -	_		the second second
Saturation F	Present?	Yes N	lo <u>k</u> Depth (in	ches):		Wetla	and Hydrolog	y Present? Yes No X
Describe Re	ecorded Data (stream	n gauge, mo	nitoring well, aerial	photos, pre	vious ins	pections), i	if available:	
	1 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -							
Remarks:								
			· . 					
i shi ca								

WETLAND DETERMINATION D	ATA FORM	M – Western Mou	intains, Valleys, an	d Coast Region
Project/Site: WESt BOIT light 5	8	City/County: W2	+Port	Sampling Date:
Applicant/Owner: Style Revies	Straft L.		State: WA	Sampling Point: _ 5P-W-
Investigator(s): P. Namidi		Section, Township, Ra	inge:	
Landform (hillslope, terrace, etc.):	4	Local relief (concave.	convex. none): COAC	Slope (%): 1
Subregion (LRR):	Lat:		Lona:	Datum:
Soil Map Unit Name: Dune Land			NWI classif	ication: PEMIC
Are climatic / hydrologic conditions on the site typical for the	his time of ve	ar? Yes Ox' No	(If no, explain in	Remarks.)
Are Vegetation . Soil . or Hydrology	significantly	disturbed? Are	"Normal Circumstances"	present? Yes X No
Are Vegetation Soil or Hydrology	naturally pro	blematic? (If n	eded explain any answ	ers in Remarks.)
				- immentant fostures etc
SOMMARY OF FINDINGS – Attach site map	o showing	sampling point I	ocations, transect	s, important leatures, etc
Hydrophytic Vegetation Present?       Yes         Hydric Soil Present?       Yes         Wetland Hydrology Present?       Yes	No No No	Is the Sampled within a Wetla	l Area nd? Yes <u>Ø</u>	<u>ζ Νο</u>
Remarks: Photos 112-117 Wetland W-F				
VEGETATION – Use scientific names of pla	ints.	Sec. Sec.		
Tree Stratum (Plot size: 30)	Absolute	Dominant Indicator	Dominance Test wor	ksheet:
1. PINOS CONTORES	10	Y FAC	Number of Dominant S	Species 5 (A)
2	a second	<u> </u>	Tabl Number of Demi	and a start for the second
3			Species Across All Str	rata: (B)
4			Percent of Dominant 9	Spacies
	10	= Total Cover	That Are OBL, FACW	, or FAC:(A/B)
1 P:NVS COASTAG	10	V FAZ	Prevalence Index wo	rksheet:
2	1.1.1.1	<u> </u>	Total % Cover of:	Multiply by:
3.	-		OBL species	x1=
4.	14 14 14	1	FACW species	x2=
5	Sara Sa	Contraction of the	FAC species	X.J =
	10	= Total Cover	UPL species	x5=
Herb Stratum (Plot size:	25	V FACIL	Column Totals:	(A) (B)
TUNCIS ARIGANSIS	- 25	TV FACI		(*) (*)
· Carex Obourta	25	V OBL	Prevalence Inde	x = B/A =
A Agrostis stoloniter	10	FAC	1 - Rapid Test for	Hydrophytic Vegetation
5. Veronico Scutellare	2	FACU	2 - Dominance Te	est is >50%
6.	<u> </u>		3 - Prevalence Inc	dex is ≤3.0 <sup>1</sup>
7			4 - Morphological	Adaptations <sup>1</sup> (Provide supporting
8	<u> </u>		data in Remar	ks or on a separate sheet)
9	-		Droblematic Liver	vascular Plants
10			<sup>1</sup> Indicators of budrie of	opinytic vegetation (Explain)
11/	87		be present, unless dis	turbed or problematic.
Woody Vine Stratum (Plot size: 15)				
1	<u> </u>	145	Hydrophytic	
2			Vegetation Present?	A No
	0	= Total Cover	Fiesentr T	69 V NU
% Bare Ground in Herb Stratum	8		ļ	
Demarks'				

SOIL

# Sampling Point: SP-W-F1

Profile Description: (Describe to the de		
Depth <u>Matrix</u>	Redox Features	
Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type'</u> <u>Loc</u> <sup>2</sup>	<u>Texture</u> <u>Remarks</u>
-10 Cisy 1/2 100		LFS
1-10 2054 4/2 73	2544142 C M	45
0019 20044/2		
	·	
ype: C=Concentration, D=Depletion, RM	I=Reduced Matrix, CS=Covered or Coated Sand Gr	ains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators: (Applicable to al	I LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
_ 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)	도망한 등 것을 물러 가격하는 것이다.
_ Thick Dark Surface (A12)	Redox Dark Surface (F6)	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)	uniess disturbed or problematic.
estrictive Layer (if present):		그는 것 같은 것 못 한 것이 같아요.
Type:	and the second	Hudeis Sail Brasset2 Van 🕅 No
Depth (inches):		Hydric Soll Present? Tes No
Remarks:	an a	
Remarks: YDROLOGY Vetland Hydrology Indicators:	An an and a surger figure a s	
Remarks: YDROLOGY Vetland Hydrology Indicators: 'rimary Indicators (minimum of one requir	ed; check all that apply)	Secondary Indicators (2 or more required)
YDROLOGY Vetland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1)	ed; check all that apply) Water-Stained Leaves (B9) (except	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2
YDROLOGY Yetland Hydrology Indicators: Irimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2)	ed; check all that apply) 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)
YDROLOGY Yetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	ed: check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B) Drainage Patterns (B10)
YDROLOGY Yetland Hydrology Indicators: rimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)	ed: check all that apply) 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) Drainage Patterns (B10) Dry-Season Water Table (C2)
YDROLOGY Yetland Hydrology Indicators: rimary Indicators (minimum of one requir _ Surface Water (A1) _ High Water Table (A2) _ Saturation (A3) _ Water Marks (B1) { Sediment Deposits (B2)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C</li> </ul>
YDROLOGY Vetland Hydrology Indicators: Trimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) & Sediment Deposits (B2) Drift Deposits (B3)	ed; check all that apply) Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roo	<ul> <li>Secondary Indicators (2 or more required)</li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C ots (C3) X Geomorphic Position (D2)</li> </ul>
YDROLOGY Vetland Hydrology Indicators: Trimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	ed: check all that apply) Water-Stained 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)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C ots (C3) Saturation Position (D2)</li> <li>Shallow Aquitard (D3)</li> </ul>
/DROLOGY         /etland Hydrology Indicators:         rimary Indicators (minimum of one requir         _ Surface Water (A1)         _ High Water Table (A2)         _ Saturation (A3)         _ Water Marks (B1)         & Sediment Deposits (B2)         _ Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)	ed: check all that apply) Water-Stained 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)	<ul> <li><u>Secondary Indicators (2 or more required)</u></li> <li>Water-Stained Leaves (B9) (MLRA 1, 2 4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C 5 (C3) C Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>K FAC-Neutral Test (D5)</li> </ul>
YDROLOGY Vetland Hydrology Indicators: Trimary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Surface Soil Cracks (B6)	ed: check all that apply) Water-Stained 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)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C</li> <li>Stallow Aquitard (D3)</li> <li>Shallow Aquitard (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> </ul> </li> </ul>
YDROLOGY         Vetland Hydrology Indicators:         'rimary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (	ed: check all that apply) Water-Stained 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) B7) Other (Explain in Remarks)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C</li> <li>Starration Visible on Aerial Imagery (C</li> <li>Shallow Aquitard (D3)</li> <li>K FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
YDROLOGY         Vetland Hydrology Indicators:         trimary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface	ed; check all that apply) 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) B7) Other (Explain in Remarks) (B8)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C</li> <li>Stallow Aquitard (D3)</li> <li>K FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface         Sited Observations:	ed: check all that apply) 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) B7) Other (Explain in Remarks) (B8)	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 (C Sts (C3) Ceomorphic Position (D2) Shallow Aquitard (D3) K FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface         Surface Water Present?	ed: check all that apply)	<ul> <li>Secondary Indicators (2 or more required)         <ul> <li>Water-Stained Leaves (B9) (MLRA 1, 2</li> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C</li> <li>M Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>K FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul> </li> </ul>
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed: check all that apply)	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 (C Saturation Visible on Aerial Imagery (C Stallow Aquitard (D3) A Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed: check all that apply)	
YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed; check all that apply)	Secondary Indicators (2 or more required)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed: check all that apply)	Secondary Indicators (2 or more required)
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed: check all that apply)	
Remarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed: check all that apply)	
YDROLOGY         Vetland Hydrology Indicators:         trimary Indicators (minimum of one requir	ed: check all that apply)	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 (C Sts (C3) Cecomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Premarks:         YDROLOGY         Vetland Hydrology Indicators:         Primary Indicators (minimum of one requir	ed: check all that apply)	Secondary Indicators (2 or more required)

roject/Site: Westfort Licht	SP City/County: We	extPort sampling Date: 4-15-2
pplicant/Owner: Starts PCARS		State: WA Sampling Point: SP-W-
vestigator(s): P. Itamici	Section, Townshir	Range
andform (hillslope, terrace, etc.); DUNC	Local relief (conc	ave, convex none): COD VKK Slone (%): 3
ubregion (LRR):	Lat:	
Dil Map Unit Name: DUNE Land		NWI classification: UI (2)
e climatic / hydrologic conditions on the site typica	I for this time of year? Yes N	No (If no evolain in Remarks )
e Vegetation Soil or Hydrology	significantly disturbed?	
e Vegetation Soil or Hydrology	significantly disturbed?	(If nooded, explain any answers in Remarks )
UMMARY OF FINDINGS - Attach site	man showing sampling poi	in locations transacts important features at
Attach Ste		in locations, transects, important reatures, etc
Hydric Soil Present? Yes	No X Is the Sam	pled Area
Vetland Hydrology Present? Yes	No V within a W	etland? Yes No K
GETATION – Use scientific names o	f plants. Absolute Dominant Indica	ator Dominance Test worksheet:
PiNVS Conterter	<u>% Cover Species? Statu</u>	Image:
		Total Number of Dominant Species Across All Strata: (B)
	= Total Cover	Percent of Dominant Species 50
apling/Shrub Stratum (Plot size: 15		That Are OBL, FACVV, of FAC: (A/B
Cytisus scoperius	<u> </u>	Total % Cover of: Multiply by:
FINUS CONDOLOG	<u>    16                                </u>	OBL species x1 =
		FACW species x 2 =
1.7 A 1.7		FAC species x 3 =
	15 = Total Cover	FACU species x 4 =
erb Stratum (Plot size:)		UPL species x 5 =
Ammophile arenavig	<u>30 / FA</u>	<u>CU</u> Column Totals: (A) (B)
LONFORN SALATI	<u>is 10 2 10</u>	Prevalence Index = B/A =
rongonum rayony	ng Dp	Hydrophytic Vegetation Indicators:
CICK Charles		1 - Rapid Test for Hydrophytic Vegetation
Carot US hoper		<u> </u>
·		3 - Prevalence Index is ≤3.0°
the second and the second	and the second	data in Remarks or on a separate sheet)
		5 - Wetland Non-Vascular Plants <sup>1</sup>
0		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
1. No and the second second second	and the first state of the second	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
Voody Vine Stratum (Plot size: 151)	<u>53</u> = Total Cover	be present, unless disturbed or problematic.
·		Hydrophytic
2		Present? Yes No
	D = Total Cover	
% Bare Ground in Herb Stratum		

SOIL

Sampling Point: W-F2

Profile Description: (Describe to t	the depth needed to doc	ument the indicato	or or confirm	the absence of in	dicators.)
(inches) Color (moist)	% Color (moist)	IOX Features	1002	Texture	Remarks
A-19 7 AL 413		<u></u>		1R	INCINGINS
0-10 - LISY 112	10				the second s
			_		
				1.1.1	
	1 - Tool & State 1 - State			With States	
			-	Contraction of the	110 120 1
					and the second
				Distant.	
<sup>1</sup> Type: C=Concentration, D=Depletion	on, RM=Reduced Matrix. (	CS=Covered or Coa	ated Sand Gra	ains. <sup>2</sup> Location	: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicabl	e to all LRRs, unless oth	erwise noted.)	10 M. 10	Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox	(S5)		2 cm Mu	ck (A10)
Histic Epipedon (A2)	Stripped Matr	ix (S6)		Red Pare	ent Material (TF2)
Black Histic (A3)	Loamy Mucky	Mineral (F1) (exce	pt MLRA 1)	Very Sha	llow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleye	d Matrix (F2)	2. N. S.	Other (E)	xplain in Remarks)
Depleted Below Dark Surface (A	A11) Depleted Mat	rix (F3)		6. 16 °. C	
Thick Dark Surface (A12)	Redox Dark S	Surface (F6)		<sup>3</sup> Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dar	k Surface (F7)		wetland hy	drology must be present,
Sandy Gleyed Matrix (S4)	Redox Depre	ssions (F8)	A Barres	unless dist	turbed or problematic.
Restrictive Layer (if present):	A 100 100 100	1 Standard		15	
Туре:	Contraction of the Contraction				
Depth (inches):				Hydric Soil Pres	ent? Yes No _K
HYDROLOGY Wetland Hydrology Indicators:	required: check all that an			Secondary	Indicators (2 or more required)
Primary indicators (minimum of one	Tequired, check all that ap	tained Leaves (PO)	lovcort		Staiped Leaves (PO) (MI DA 4
Surrace vvater (A1)	vvater-S	A 1 2 4A and 4D	(except	vvaler-	and AB)
High vvater Lable (A2)	WILK.	n 1, 2, 4A, and 4B) et (R11)		4A, Draina	and 40) an Patterns (P10)
Saturation (A3)	Salt Cru Aquatio	Invertebrates (R12)			ason Water Table (C2)
vvaler iviaits (B1)	Aqualic Hydroge	n Sulfide Odor (C1)	1999	Dry-Set	tion Visible on Aerial Imagen (C
Seument Deposits (D2)		Rhizosnheres alor	na Livina Root	ts (C3) Geom	orphic Position (D2)
Algal Mat or Crust (B4)	Onuized Presence	e of Reduced Iron (	C4)	Shallor	w Aquitard (D3)
Iron Deposite (R5)	Recent I	ron Reduction in Ti	led Soils (C6)	) FAC-N	leutral Test (D5)
IIUII Depusits (DS) Surface Soil Cracks (B6)	Stunted	or Stressed Plants	(D1) (LRR A)	Raiser	Ant Mounds (D6) (I RR A)
Inundation Visible on Aerial Ima	ngery (B7) Other (F	xplain in Remarks)	() (, ())	Frost-I	Heave Hummocks (D7)
Sparsely Vegetated Concave S	urface (B8)			1103(-1	
Sparsely vegetated Concave S					and the second second
Curface Water Present?	No X Depth (	inches).	200		
Surface valer Fresent? Tes	No X Depth (	inches):			
vvaler rable Present? Yes		inches):	Moto	and Hudrolow De-	× ×
Saturation Present? Yes (includes canillary fringe)		Inches)	weu	and Hydrology Pre	esent? fes No
Describe Recorded Data (stream ga	uge, monitoring well, aeria	al photos, previous i	inspections), i	if available:	
S. S					
Remarks:	Service A.	ing and the second			tel server
			1		

1

WEILAND DETERMINATION DA	ATA FORM -	<ul> <li>Western Mou</li> </ul>	ıntains, Valleys, ar	nd Coast Region	
Project/Site: West Port Light Sh	City	County: West	tPort	Sampling Date: 4	-15-2
Applicant/Owner: Schafte Paris			State: Jul A	Sampling Point: 5	D-W-I
nvestigator(s): B. Hamid 1	Sec	tion, Township, Ra	ange.		
andform (hillslope, terrace, etc.): Interdunc	il Loc	cal relief (concave	convex none): Co	OCANE Slope (	%);
Subregion (LRR):	Lat <sup>.</sup>	concave,		Datum:	
Soil Map Unit Name: PUN2 Land		1. 1. 1. 1. N. 1.		ination: PSSA	2.0
are climatic / hydrologic conditions on the site typical for this	s time of year?	Van M Na		Remerke )	1.1.1
Are Vegetation Soil or Hydrology	s une of year?	res No	(If no, explain in	Remarks.)	No
Are Vegetation Soil or Hydrology	significantly dist	urbed? Are	"Normal Circumstances"	present? Yes K.	NU
	naturally proble	matic? (If n	eeded, explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	showing sa	mpling point	locations, transect	s, important featu	res, etc.
Hydrophytic Vegetation Present? Yes X	10	a stranger p	and the second second	The start of	2018년 1
Hydric Soil Present? Yes Yes N	10	Is the Sample	d Area	× No.	생각하다
Remarks:	10	within a wetia	nar tes	<u>/                                    </u>	1. L. S
Photos 120-124	( to	1			
/EGETATION - Use scientific names of alex	951 20	ge	- Alexandra - Alexandra		
	Abcolute D	aminant last 1			
Tree Stratum (Plot size: 30')	<u>Absolute</u> D	ominant Indicator	Dominance Test wor	ksheet:	1.1
1. Pinus Contortz	15	V FAC	That Are OBL, FACW	, or FAC:	(A)
2	<u> </u>	<u> </u>	Total Number of Dom	inant M	19 M 1
3			Species Across All St	rata:	(B)
4			Percent of Dominant	Species 100	
Sapling/Shrub Stratum (Plot size: 15)	10=	Total Cover	That Are OBL, FACW	, or FAC:	(A/B)
1. Salix hookeriens	40	Y FAC	Prevalence Index wo	orksheet:	1.00
2. Lonicera involuciants	20	4 FAC	Total % Cover of:	Multiply by	
3. Spirary douglasii	20	Y FACO	OBL species	x 1 =	<u>_</u>
4	Carling and a start of the	/	FAC species	X2=	
5	- 100		FACU species	× 4 =	1
Herb Stratum (Plot size: 5)	<u> </u>	Total Cover	UPL species	x 5 =	
1 COVIN ODAU DIE	60	Y OBL	Column Totals:	(A)	(B)
2		P THE OF MY	Drovolones Inde		
3.		AND CONTRACTOR	Hvdrophytic Vegeta	tion Indicators:	
4	19 18 8		1 - Rapid Test for	r Hydrophytic Vegetatio	
5	<u> </u>		X 2 - Dominance T	est is >50%	
6			3 - Prevalence In	dex is ≤3.0 <sup>1</sup>	
7			4 - Morphologica	Adaptations <sup>1</sup> (Provide	supporting
8			data in Rema	rks or on a separate she	et)
9		شعبينية بيهينها	5 - vvetiand Non-	vascular Plants	
10			Indicators of hydric field	rophytic vegetation (Ex	piain)
11	10-		be present, unless di	sturbed or problematic.	gy must
Woody Vine Stratum (Plot size:)	=	otal Cover			
 1			Hydrophytic		
2		· · · ·	Vegetation	V	
	<u>    Ю  </u> = т	otal Cover	Present?	res <u>No</u> No	-
			1		
% Bare Ground in Herb Stratum					

SOIL

# Sampling Point: SP-W-I1

3

Profile Description: (Describe to the de	epth needed to document the indicator or	r confirm the abs	ence of indicators.)
Depth <u>Matrix</u>	Redox Features	Carl States	Charles Street Brits Street
(Incnes) Color (moist) %	<u>Color (moist)</u> <u>%</u> <u>Type</u> <sup>1</sup>	Loc <sup>2</sup> Textu	Remarks
2-0		Dur	<u>+</u>
0-6 2,544/210	0	- LPS	5
1,10 2,94 4/297	2,54 4/4 7 6	M.P. IFS	
6-10			100 100 100 100 100 100 100 100 100 100
			and the second sec
and the second		and the strength	
	한 방법은 물건을 물건 영화를 물건했다.		
'Type: C=Concentration, D=Depletion, RI	M=Reduced Matrix, CS=Covered or Coated	Sand Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	all LRRs, unless otherwise noted.)	Ind	icators for Problematic Hydric Soils':
Histosol (A1)	K Sandy Redox (S5)	Sec. 25. 5-	2 cm Muck (A10)
Histic Epipedon (A2)	Stripped Matrix (S6)		Red Parent Material (TF2)
Black Histic (A3)	Loamy Mucky Mineral (F1) (except N	MLRA 1)	Very Shallow Dark Surface (TF12)
nyarogen Suitiae (A4)	Loamy Gleyed Matrix (F2)	*	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	3.	Genters of hydrophy discounts the set
Sandy Mucky Mineral (S1)	Redox Dark Surface (F6)	Inc	licators of hydrology must be present
Sandy Gleved Matrix (S4)	Depieteu Dark Surface (F7) Redox Depressions (E9)		unless disturbed or problematic
Restrictive Laver (if present):		1	unices distance of problematic.
Type:		A CONTRACTOR	
Denth (inches):		Hydrie	Sail Braganta Van No. No.
	the second se	Hydric	Soli Fresentr Tes V- NO
Remarks:			
HYDROLOGY Wetland Hydrology Indicators:			
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red; check all that apply)	5	Secondary Indicators (2 or more required)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply) Water-Stained Leaves (B9) (exc	Sept	Secondary Indicators (2 or more required)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requined)	red; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B)	sept p	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir Surface Water (A1) High Water Table (A2) Saturation (A3)	red; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	cept p	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10)
Remarks: HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one requir 	red; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13)	sept p	Secondary Indicators (2 or more required) Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red; check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	sept p	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)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red; check all that apply) 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	cept p	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) Geomorphic Position (D2)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red: check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lir Presence of Reduced Iron (C4)	cept p	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) Geomorphic Position (D2) Shallow Aquitard (D3)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red: check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S	ving Roots (C3)	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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red: check all that apply) 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)	ving Roots (C3) 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red: check all that apply) Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Lir Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Stunted or Stressed Plants (D1) (B7) Other (Explain in Remarks)	ving Roots (C3) 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red; check all that apply) — Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Lir — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled S — Stunted or Stressed Plants (D1) (B7) — Other (Explain in Remarks) a (B8)	ving Roots (C3) 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red; check all that apply) — Water-Stained Leaves (B9) (exc MLRA 1, 2, 4A, and 4B) — Salt Crust (B11) — Aquatic Invertebrates (B13) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres along Lir — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled S — Stunted or Stressed Plants (D1) (B7) — Other (Explain in Remarks) a (B8)	ving Roots (C3) 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one required)	red; check all that apply) — 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) (B7) — Other (Explain in Remarks) a (B8)	ving Roots (C3) 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red: check all that apply)	ving Roots (C3) 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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Deput (incres).         Remarks:         Remarks:         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red: check all that apply)	ving Roots (C3) Soils (C6) (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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7)
Deput (incres).         Remarks:         Remarks:         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red: check all that apply)	ving Roots (C3) Soils (C6) (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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) No
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir	red; check all that apply)	ving Roots (C3) Soils (C6) (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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Cology Present? Yes X No X-
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Saturation Present?       Yes         Cincludes capillary fringe)       Describe Recorded Data (stream gauge, r	red: check all that apply)	ving Roots (C3) Soils (C6) (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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ology Present? Yes X No - X- Ie:
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red: check all that apply)	ving Roots (C3) Soils (C6) (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) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) No cology Present? Yes X No e:
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red: check all that apply)	ving Roots (C3) Soils (C6) (LRR A) Wetland Hydr	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) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) ✓ FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) vology Present? Yes X No ✓
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requin	red: check all that apply)	ving Roots (C3) Soils (C6) (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) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) ✓ FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) Noe
Remarks:         HYDROLOGY         Wetland Hydrology Indicators:         Primary Indicators (minimum of one requir         Surface Water (A1)         High Water Table (A2)         Saturation (A3)         Water Marks (B1)         Sediment Deposits (B2)         Drift Deposits (B3)         Algal Mat or Crust (B4)         Iron Deposits (B5)         Surface Soil Cracks (B6)         Inundation Visible on Aerial Imagery (         Sparsely Vegetated Concave Surface         Field Observations:         Surface Water Present?       Yes         Water Table Present?       Yes         Gaturation Present?       Yes         Cincludes capillary fringe)       Describe Recorded Data (stream gauge, r         Remarks:       Remarks:	red: check all that apply)	ving Roots (C3) Soils (C6) (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) ✓ Geomorphic Position (D2) Shallow Aquitard (D3) ✓ FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) ology Present? Yes X No - X le:

WETLAND DETERMINATION DATA	FORM -	Westerr	Mounta	ins, Valleys, a	and Coast Reg	ion II II	-2
Project/Site: WestPort Light St	City/	County:	West	Yort-	Sampling Date	<u>9-1</u>	5-04
Applicant/Owner: State Act 8				State:	Sampling Poir	t: <u>SP-1</u>	NE
Investigator(s): P. Hamidi	Sect	ion, Towns	hip, Range		0.1		
Landform (hillslope, terrace, etc.): DUNC	Loca	al relief (co	ncave, conv	vex, none):	z+lat :	Slope (%): _	1
Subregion (LRR): A La	t:	materies	Lo	ong:	Da	atum:	and a second
Soil Map Unit Name: DUNE LONCL	and a			NWI clas	sification:	kind	/
Are climatic / hydrologic conditions on the site typical for this time	of year?	Yes K	_ No	(If no, explain i	in Remarks.)	1.16	
Are Vegetation, Soil, or Hydrology signific	cantly distu	irbed?	Are "Nor	mal Circumstance	s" present? Yes	No No	del a
Are Vegetation, Soil, or Hydrology natura	lly problem	natic?	(If neede	ed, explain any ans	swers in Remarks.)	1691.0	
SUMMARY OF FINDINGS - Attach site man sho	wing sa	molina n	oint loca	ations. transe	cts, important	features	, etc.
SUMMART OF FINDINGS - Attach site map sho	wing sai						
Hydrophytic Vegetation Present? Yes No	K	Is the Sa	ampled Ar	ea		,	1.1
Wetland Hydrology Present? Yes No	X	within a	Wetland?	Yes _	No	Ľ.	2.1
Remarks: 01 ( 4	1000	ALC: NO	1.2-191	4 4 - C - C - C		100	
Phodos 125-126							
<b>/EGETATION – Use scientific names of plants.</b>				AL ST	1. 1. 1. 1. 1. 1.	10 111	
Abs	olute Do	minant Ind	icator D	ominance Test w	orksheet:	130 0	
<u>Tree Stratum</u> (Plot size: <u>30</u> ) <u>%</u>	Jover Sp		N N	umber of Dominar hat Are OBL, FAC	nt Species W. or FAC:	1	(A)
2		1.151		stal blumbar of Do	minant	7	
3			S	pecies Across All	Strata:	3	(B)
4			P	ercent of Dominar	nt Species	57	
15' -	0 = T	otal Cover	i i	hat Are OBL, FAC	W, or FAC:	32	(A/B)
Sapling/Shrub Stratum (Plot size: 13	20	V	PL P	revalence Index	worksheet:		nie se se sie Z
1. <u></u>	<u> </u>		- -	Total % Cover	of: Mu	Itiply by:	-
3			0	BL species	x1=_		- Jr-
4	1.00	and the second	F4	ACVV species	x2=_	100	
5	Sector and	<u></u> )	F.	AC species	x3= x4=		-
	<u>20</u> =T	otal Cover		PL species	x 5 =	• 8 pr	<u>.</u>
Herb Stratum (Plot size:	50	VI	FACIDO	olumn Totals:	(A)	5	(B)
Carx Obnuets	20	V d	BL	Drevelance in	day = D/A =		1
3 TONOCOTUM DIPINNATUR	15	7 1	JPL	vdrophytic Vege	tation Indicators:	-	
4 Halcus langers	5	Ē	AC	1 - Rapid Test	for Hydrophytic Ve	getation	
5. Hypochaeris radicate	5_	F	ACUD	2 - Dominance	Test is >50%		
6. UNKNOWN Grass	0		<u> 144</u>	_ 3 - Prevalence	Index is ≤3.0 <sup>1</sup>		
7	بت جنب			_ 4 - Morphologie	cal Adaptations <sup>1</sup> (P	rovide supp	porting
8	there and	<u>,</u>	<del></del>	data in Rem	arks or on a separ	ate sneet)	
9				Problematic H	dronhytic Vegetati	on <sup>1</sup> (Explain	n)
10	1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -		<del>1</del> 1	ndicators of hydrig	soil and wetland I	nydrology m	nust
11	75 - 1	tal Cover	——   b	e present, unless	disturbed or proble	matic.	
Woody Vine Stratum (Plot size: 15')	<u>.                                    </u>			1211 1112			
1			н	ydrophytic			
2	~ -		¥	egetation	Yes No	X	
2 —	<u> </u>	otal Cover		ICSCIIL Í	103 NO		
% Bare Ground in Herb Stratum		4					
Nemano.							
					1.4		

Western Mountains, Valleys, and Coast - Version 2.0

SOIL

Sampling Point: BP-W-IZ

Depth Matrix		
Maura	Redox Features	Pomerie
(inches) Color (moist) %	<u>Color (moist)</u> % <u>Type'</u> Loc <sup>2</sup>	Texture Remarks
0-4 104R 4/2 100		
9-18 2.54 4/2100		<u>LFS</u>
		and the second s
	And a second	
		rains <sup>2</sup> Location: PL=Pore Lining M=Matrix
Type: C=Concentration, D=Depletion, RM	Reduced Mainx, CS=Covered of Coaled Sand G	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histored (A1)	Sandy Bodoy (S5)	2 cm Muck (A10)
Listic Enjandon (A2)	Sandy Redox (S5) 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 Gleved Matrix (F2)	Other (Explain in Remarks)
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)	
Thick Dark Surface (A12)	Redox Dark Surface (F6)	<sup>3</sup> 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:		and the second
Depth (inches):		Hydric Soil Present? Yes No _K
Remarks:		and the second
HYDROLOGY		
Wetland Hydrology Indicators:	de staarde all that analy	Secondary Indicators (2 or more required)
Primary Indicators (minimum of one require	b; check all that apply)	Water Stained Leaves (B0) (MLRA 1 2
Surface Water (A1)	Water-Stained Leaves (B9) (except	Water-Stalled Leaves (B9) (WERA 1, 2,
High Water Table (A2)		
	MLRA 1, 2, 4A, and 4B)	4A, and 4B) Droinago Pottorno (P10)
Saturation (A3)	MLRA 1, 2, 4A, and 4B) Salt Crust (B11)	4A, and 4B) Drainage Patterns (B10) Dra Season Water Table (C2)
Saturation (A3) Water Marks (B1)	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Ludecore Sulfide Oder (C1)	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imageny (C9)
<ul> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> </ul>	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Ovidiaed Deizopharae slong Living Page	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)     Second Participation (D2)
<ul> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> </ul>	MLRA 1, 2, 4A, and 4B) Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres along Living Roc	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)     Geomorphic Position (D2)     Shallow Aquitard (D3)
<ul> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> </ul>	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) Becent Iron Reduction in Tilled Soils (C6)	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)     Geomorphic Position (D2)     Shallow Aquitard (D3)     EAC-Neutral Test (D5)
<ul> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> </ul>	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) Studied or Stronged Plants (D1) (I BP A)	<ul> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Dts (C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Paired Apt Mounds (D6) (LPR A)</li> </ul>
<ul> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> </ul>	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)	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)     Saturation Visible on Aerial Imagery (C9)     Saturation (D2)     Shallow Aquitard (D3)     FAC-Neutral Test (D5)     Raised Ant Mounds (D6) (LRR A)     Erost-Heave Hummocks (D7)
<ul> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (B</li> </ul>	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) Other (Explain in Remarks) Bab	<ul> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Dts (C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Saturation (A3) Vater 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 (	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) T) Other (Explain in Remarks) 38)	<ul> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>ots (C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Saturation (A3)  Vater 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:	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) Other (Explain in Remarks) Bab	<ul> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>(C3) Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
Saturation (A3)  Vater Marks (B1)  Sediment Deposits (B2)  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	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) Other (Explain in Remarks) B8) No <u>X</u> Depth (inches):	<ul> <li>4A, and 4B)</li> <li>Drainage Patterns (B10)</li> <li>Dry-Season Water Table (C2)</li> <li>Saturation Visible on Aerial Imagery (C9)</li> <li>Ots (C3)</li> <li>Geomorphic Position (D2)</li> <li>Shallow Aquitard (D3)</li> <li>FAC-Neutral Test (D5)</li> <li>Raised Ant Mounds (D6) (LRR A)</li> <li>Frost-Heave Hummocks (D7)</li> </ul>
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	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) Other (Explain in Remarks) B8) No <u>X</u> Depth (inches):	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)     Saturation Visible on Aerial Imag
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 Vater Table Present? Yes Saturation Present? Yes Saturation Present? Yes	MLRA 1, 2, 4A, and 4B)	AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) Shallow Aquitard (D3) FAC-Neutral Test (D5) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes NoX
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 (includes capillary fringe)     Describe Recorded Data (stream gauge, model)	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
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 (Created Concave Surface Vater Present? Yes Water Table Present? Yes Water Table Present? Yes Gaturation Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, mage)	MLRA 1, 2, 4A, and 4B)	AA, and 4B)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Saturation Visible on Aerial Imagery (C9)  Sts (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 if available:
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 Gincludes capillary fringe) Describe Recorded Data (stream gauge, model     Remarks:	MLRA 1, 2, 4A, and 4B)	AA, and 4B)  Drainage Patterns (B10)  Dry-Season Water Table (C2)  Saturation Visible on Aerial Imagery (C9)  Sts (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
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 (includes capillary fringe) Describe Recorded Data (stream gauge, modeling) Remarks:	MLRA 1, 2, 4A, and 4B)	AA, and 4B) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) ots (C3) Geomorphic Position (D2) Shallow Aquitard (D3) 5) FAC-Neutral Test (D5) ) Raised Ant Mounds (D6) (LRR A) Frost-Heave Hummocks (D7) and Hydrology Present? Yes NoX if available:
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 Vater Table Present? Yes Saturation Present? Yes Saturation Present? Yes [includes capillary fringe) Describe Recorded Data (stream gauge, modeling) Remarks:	MLRA 1, 2, 4A, and 4B)	4A, and 4B)
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 Water Table Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, modeling) Remarks:	MLRA 1, 2, 4A, and 4B)	4A, and 4B)

roject/Site: W2St-post -, JM -,	City	/County:	Surger Crv Sampling Date:
Participation Participation		No. Township D.	State: Sampling Point:
vestigator(s):	Sec	tion, Township, Ra	ange:
androrm (hillslope, terrace, etc.):	Lo	cal relief (concave,	convex, none): Slope (%):
ibregion (LRR):	Lat:		Long: Datum:
il Map Unit Name:			NWI classification: TSS/EMP
e climatic / hydrologic conditions on the site typical for	this time of year?	Yes No _	(If no, explain in Remarks.)
e Vegetation, Soil, or Hydrology	_ significantly dist	urbed? Are	"Normal Circumstances" present? Yes K No
e Vegetation, Soil, or Hydrology	_ naturally proble	matic? (If n	eeded, explain any answers in Remarks.)
UMMARY OF FINDINGS – Attach site ma	p showing sa	mpling point	locations, transects, important features, etc.
Hydrophytic Vegetation Present?     Yes     Image: Constraint of the sector of	No No No	Is the Sampled within a Wetla	d Area und? Yes No
below Normal P	recip.		· · · · · · · · · · · · · · · · · · ·
EGETATION – Use scientific names of pl	ants.		
ree Stratum (Plot size: 30')	Absolute D % Cover S	ominant Indicator pecies? Status	Dominance Test worksheet:
141		1. <u>1.</u>	That Are OBL, FACW, or FAC: (A)
		<u></u>	Total Number of Dominant 2 (P)
			Species Across All Strata (b)
10'	<u>D</u> =	Total Cover	That Are OBL, FACW, or FAC: (A/B)
Plot size: 15	60	V FAC.	Prevalence Index worksheet:
111-02 0011-0111	Tar the second	1	Total % Cover of: Multiply by:
* * *	*	1	OBL species x 1 =
			FAC vv species x 2 =
19 ( M) ( M)			FACU species x4 =
lask Stratum (Plataina)	60 =	Total Cover	UPL species x 5 =
Carlos a 6 0 0 0 0 0	60	Y OBL	Column Totals: (A) (B)
FUNCUS Novadensis	10	FAC	
Trifolium SP.	5		Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
Agrostis stolonitora	5	FAC	1 - Rapid Test for Hydrophytic Vegetation
- J.			X 2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 <sup>1</sup>
			4 - Morphological Adaptations <sup>1</sup> (Provide supporting
			data in Remarks or on a separate sheet)
		1	5 - Wetland Non-Vascular Plants
0			Problematic Hydrophytic Vegetation' (Explain)
1	- 80 -	Tatal Course	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Voody Vine Stratum (Plot size: 15')		otal Cover	
·			- Hydrophytic
2			Present? Yes <u>No</u>
% Bare Ground in Herb Stratum	=1	otal Cover	

SOIL

	<0	1120	1-7
Sampling Point:	01-	w-r	14

Depth (inches) Color (moist) % D-5 2154 4/2 9.5		
$\frac{\text{(inches)}}{D-5} \frac{\text{Color (moist)}}{7.5 \sqrt{4/2}} \frac{\%}{9.5}$	Redox Features	
0-5 254112 45	Color (moist) % Type1 Loc	<u>Perture</u> Remarks
<u> </u>	2,544/4 5 C M	LFS
5-9 2,54 4/2 85	2,54 4/4 15 C N	1 LFS
9-18 2,544/1595	2544135 C M	LPS
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, CS=Covered or Coated San	d Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable to a	III LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
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 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)	31- diamond by dealer to diamond at a second
Sandy Muchy Mineral (S1)	Redox Dark Surface (F6)	Indicators of hydrophytic vegetation and
Sandy Gleved Matrix (S4)	Depleted Dark Surface (F7) Redox Depressions (F8)	unless disturbed or problematic
Restrictive Layer (if present):		
Туре:	**	
Depth (inches):		Hydric Soil Present? Yes K- No
Pemerke:		
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one requi	red; 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)	
- night water rable (AZ)		4A, and 4B)
Saturation (A3)	Salt Crust (B11)	Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	Salt Crust (B11) · . Aquatic Invertebrates (B13)	<ul> <li>4A, and 4B)</li> <li> Drainage Patterns (B10)</li> <li> Dry-Season Water Table (C2)</li> </ul>
Saturation (A3)     Water Marks (B1)     Sediment Deposits (B2)	Salt Crust (B11) Aquatic Invertebrates (B13) Hydrogen Sulfide Odor (C1)	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	<ul> <li>Salt Crust (B11)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> </ul>	AA, and 4B)     Drainage Patterns (B10)     Dry-Season Water Table (C2)     Saturation Visible on Aerial Imagery (C9)     Roots (C3)    K Geomorphic Position (D2)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	<ul> <li>Salt Crust (B11)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> </ul>	AA, and AB) Drainage Patterns (B10) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Roots (C3)  Geomorphic Position (D2) Shallow Aquitard (D3)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	<ul> <li>Salt Crust (B11)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> </ul>	4A, and 4B)
<ul> <li>Fight Water Fable (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> </ul>	<ul> <li>Salt Crust (B11)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> <li>Stunted or Stressed Plants (D1) (LR</li> </ul>	4A, and 4B)
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 (	<ul> <li>Salt Crust (B11)</li> <li>Aquatic Invertebrates (B13)</li> <li>Hydrogen Sulfide Odor (C1)</li> <li>Oxidized Rhizospheres along Living</li> <li>Presence of Reduced Iron (C4)</li> <li>Recent Iron Reduction in Tilled Soils</li> <li>Stunted or Stressed Plants (D1) (LR</li> <li>(B7) Other (Explain in Remarks)</li> </ul>	4A, and 4B)
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 (	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 (B7) Other (Explain in Remarks) (B8)	4A, and 4B)
<ul> <li>Fight voter Table (A2)</li> <li>Saturation (A3)</li> <li>Water Marks (B1)</li> <li>Sediment Deposits (B2)</li> <li>Drift Deposits (B3)</li> <li>Algal Mat or Crust (B4)</li> <li>Iron Deposits (B5)</li> <li>Surface Soil Cracks (B6)</li> <li>Inundation Visible on Aerial Imagery (Sparsely Vegetated Concave Surface</li> </ul>	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 (B7) Other (Explain in Remarks) > (B8)	4A, and 4B)
Saturation (A3)     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	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 (B7) Other (Explain in Remarks) (B8)	4A, and 4B)
Saturation (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	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 (B7) Other (Explain in Remarks) (B8) No Depth (inches):	4A, and 4B)
Saturation (A3)     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	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 (B7) Other (Explain in Remarks) (B8) No Depth (inches): No No Depth (inches): No No Depth (inches): No No No Depth (inches): No	4A, and 4B)
Saturation (A3)     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, not stream gauge, not st	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 (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No No No Depth (inches): No No No No Depth (inches): No	4A, and 4B)
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Algal 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     Saturation Present? Yes     Saturation Present? Yes     (includes capillary fringe) Describe Recorded Data (stream gauge, n Remarks:	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 (B7) Other (Explain in Remarks) (B8) No Depth (inches): No Depth (inches): No No No Depth (inches): No No No No Depth (inches): No No No No No No No No Depth (inches): No	4A, and 4B)
Algal 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, not stream gau	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 (B7) Other (Explain in Remarks) (B8) No Depth (inches): No No Depth (inches): No No Depth (inches): No No Depth (inches): No No No Depth (inches): No No No No Depth (inches): No	4A, and 4B)
Algal 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     Saturation Present? Yes     Saturation Present? Yes     (includes capillary fringe) Describe Recorded Data (stream gauge, f Remarks:	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 (B7) Other (Explain in Remarks) e (B8) No Depth (inches): No No No Depth (inches): No	4A, and 4B)
Saturation (A3)     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 Saturation Present? Yes Cincludes capillary fringe) Describe Recorded Data (stream gauge, not stream	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 (B7) Other (Explain in Remarks) @ (B8) No Depth (inches): No Depth (inches): No No No No Depth (inches): No	4A, and 4B)

oject/Site: WestPort -191	[ ], P. (	City/County:	Sampling	Date: 9-01-0
oplicant/Owner: Starte Partes			State: WE Sampling	Point: SP-W-M
vestigator(s): Y. M. Midi		Section, Township, R	ange:	
andform (hillslope, terrace, etc.): DUN2		Local relief (concave,	, convex, none): ConUir	Slope (%):
ubregion (LRR):	Lat:		Long:	Datum:
Dil Map Unit Name: DONE Law	d		NWI classification:	pland
e climatic / hydrologic conditions on the site typic	cal for this time of yea	ar? Yes No	(If no, explain in Remarks.)	
e Vegetation , Soil , or Hydrology	significantly	disturbed? Are	"Normal Circumstances" present?	es 🗶 No
e Vegetation . Soil . or Hydrology	naturally prol	blematic? (If r	needed explain any answers in Rema	rks.)
OMMART OF FINDINGS - Attach sit	e map snowing	sampling point	locations, transects, import	ant features, etc.
Hydrophytic Vegetation Present? Yes	No	le the Sample	d Aroa	
Vetland Hydrology Present? Yes	No pr	within a Wetla	and? Yes No _	NC
Remarks: Photos 205 200				100
h lais de la p	Pro O			
peloco porma!	rreeip.			
EGETATION – Use scientific names	of plants.			
	Absolute	Dominant Indicator	Dominance Test worksheet:	
Tee Stratum (Plot size:	<u>% Cover</u>	Species? Status	Number of Dominant Species	0
			That Are OBL, FACVV, or FAC:	(A)
			Total Number of Dominant	2 0
			Species Across All Strata.	(B)
	0	= Total Cover	Percent of Dominant Species	0 (A/B)
apling/Shrub Stratum (Plot size: 15		11	Prevalence Index worksheet:	
. MAISUS Scoperius		y UPL	Total % Cover of:	Multiply by:
			OBL species x 1	=
••••			FACW species x 2	=
·			FAC species x 3	= <u> </u>
		= Total Cover	FACU species x 4	-
terb Stratum (Plot size: 5')	i. at the	A cover	UPL species x 5	=
Ammophila avenaria	<u>a 60</u>	_Y FACI	Column Totals: (A)	(B)
Holcos leverus	5	FAC	Prevalence Index = B/A =	
LEONTODON DAKAT	1115 3	- FACL	Hydrophytic Vegetation Indicate	ors:
Powgonum ravon	Ichig /		1 - Rapid Test for Hydrophytic	Vegetation
Anthoxan Phun 000	rateur 2		2 - Dominance Test is >50%	
•	·		3 - Prevalence Index is ≤3.0 <sup>1</sup>	and the second
			4 - Morphological Adaptations	(Provide supporting
			5 - Wetland Non-Vascular Pla	nts <sup>1</sup>
0			Problematic Hydrophytic Veg	etation <sup>1</sup> (Explain)
1			<sup>1</sup> Indicators of hydric soil and wetla	nd hydrology must
	72	= Total Cover	be present, unless disturbed or pr	oblematic.
Voody Vine Stratum (Plot size: 15	) <u> </u>		No. Service States	
	<u> </u>		Hydrophytic	
2			Vegetation Present?	No X
V Daw Cound in Unit Startun 15	_0_	= Total Cover		
% Bare Ground in Hern Strantin				
Temarks:				

#### SOIL

Sampling Point: SP-W-M2

Profile Description: (Describe to t	he depth needed to docu	ment the indicator	or confirm	the absence of in	ndicators.)
Depth <u>Matrix</u>	% Color (maint)	ox Features	1 002	Taxtura	Pemarka
		<u>% Type</u>	LOC		Remarks
-18	100			Seval _	
			-		
					•
Type: C=Concentration, D=Depletion	on, RM=Reduced Matrix, C	S=Covered or Coate	d Sand Gra	ains. <sup>2</sup> Location	n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: (Applicable	e to all LRRs, unless othe	erwise noted.)		Indicators fo	or Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Sandy Redox	(S5)		2 cm Mu	ick (A10)
Histic Epipedon (A2)	Stripped Matrix	x (S6)		Red Par	ent Material (TF2)
Black Histic (A3)	Loamy Mucky	Mineral (F1) (except	MLRA 1)	Very Sha	allow Dark Surface (TF12)
Hydrogen Sulfide (A4)	Loamy Gleyed	Matrix (F2)		Other (E	xplain in Remarks)
Depleted Below Dark Surface (A	(11) Depleted Matri	ix (F3)		3	the share the state of the second
Thick Dark Surface (A12)	Redox Dark Si	urface (F6)		Indicators of	hydrophytic vegetation and
Sandy Mucky Mineral (S1)	Depleted Dark	SUFFACE (F7)		wetland n	turbed or problematic
Restrictive Laver (if present):	Redux Depres	50115 (FO)			turbed of problematic.
Type:				Y	
Denth (inches):				Hydric Soil Pres	ant? Yes No of
Pomorke:				Tryane con Free	
Remarks.					
	1			-	
IYDROLOGY Wetland Hydrology Indicators:				AT 4.	
Primary Indicators (minimum of one	required; check all that app	oly)	Tec 27	Secondary	Indicators (2 or more required)
Surface Water (A1)	Water-Sta	ained Leaves (B9) (e	xcept	Water	-Stained Leaves (B9) (MLRA 1, 2,
High Water Table (A2)	MLRA	1, 2, 4A, and 4B)		4A	, and 4B)
Saturation (A3)	Salt Crus	t (B11)		Draina	age Patterns (B10)
Water Marks (B1)	Aquatic Ir	nvertebrates (B13)		Dry-S	eason Water Table (C2)
Sediment Deposits (B2)	Hydroger	n Sulfide Odor (C1)		Satura	ation Visible on Aerial Imagery (C9
Drift Deposits (B3)	Oxidized	Rhizospheres along	Living Root	ts (C3) Geom	orphic Position (D2)
Algal Mat or Crust (B4)	Presence	of Reduced Iron (C	4)	Shallo	ow Aquitard (D3)
Iron Deposits (B5)	Recent In	on Reduction in Tille	d Soils (C6)	FAC-I	Neutral Test (D5)
Surface Soil Cracks (B6)	Stunted o	or Stressed Plants (D	1) (LRR A)	Raise	d Ant Mounds (D6) (LRR A)
Inundation Visible on Aerial Ima	gery (B7) Other (Ex	plain in Remarks)		Frost-	Heave Hummocks (D7)
Sparsely Vegetated Concave Sector	urface (B8)				
Field Observations:	~		*		
Surface Water Present? Yes	No K Depth (in	nches):	-		
Water Table Present? Yes	No Depth (in	nches):	- 10		100 C 100 A
Saturation Present? Yes	No Depth (in	nches):	Wetla	and Hydrology Pro	esent? Yes No _K
(Includes capillary finge) Describe Recorded Data (stream da	uge, monitoring well, aerial	photos, previous ins	pections) i	f available:	
Describe recorded bata (stream ga	-go, monitoring wen, dendi	prioroo, previous ins	pections), 1	available.	
Pomarke: *					
nenidinə.					
				5	
- +					
- +		*			

# Appendix C. Wetland Rating Summaries and Figures

Appendix C includes wetland rating forms for Wetland A (wetland mosaic) and all required figures for the habitat score.

# **RATING SUMMARY – Western Washington**

Name of wetland (or ID #): <u>Wetland A, Westport Light State Park Date of site visit: April 2</u>021 Rated by <u>Paul Hamidi, Brian Fletcher</u> Trained by Ecology?<u>X</u> Yes <u>No Date of training 2015</u>

HGM Class used for rating Interdunal Wetland has multiple HGM classes? Y X N

**NOTE**: Form is not complete without the figures requested (figures can be combined). Source of base aerial photo/map \_ESRI, Google Earth

**OVERALL WETLAND CATEGORY** [ | (based on functions \_\_\_\_\_ or special characteristics X \_\_\_\_\_)

#### 1. Category of wetland based on FUNCTIONS

**\_\_\_\_Category I** – Total score = 23 - 27

Category II – Total score = 20 - 22

\_\_\_\_\_Category III – Total score = 16 - 19

Category IV – Total score = 9 - 15

FUNCTION	lı Wa	mprov Iter Q	/ing uality	H	ydrolo	ogic	H	labita	ət	
					Circle t	the ap	proprie	ate ra	tings	
Site Potential	Н	Μ	L	Н	Μ	L	Н	М	L	
Landscape Potential	Н	Μ	L	Н	Μ	L	H	Μ	L	
Value	Н	Μ	L	Н	Μ	L	Н	Μ	L	TOTAL
Score Based on Ratings								9		

Score for each function based on three ratings (order of ratings is not important) 9 = H,H,H 8 = H,H,M 7 = H,H,L

7 = H,M,M 6 = H,M,L 6 = M,M,M 5 = H,L,L

5 = M,M,L

4 = M,L,L 3 = L,L,L

#### 2. Category based on SPECIAL CHARACTERISTICS of wetland

CHARACTERISTIC	САТ	EGORY
Estuarine	Ι	II
Wetland of High Conservation Value		Ι
Bog		Ι
Mature Forest		Ι
Old Growth Forest		Ι
Coastal Lagoon	Ι	II
Interdunal	ΠΠ	III IV
None of the above		

# Maps and figures required to answer questions correctly for Western Washington

#### **Depressional Wetlands**

Map of:	To answer questions:	Figure #
Cowardin plant classes	D 1.3, H 1.1, H 1.4	A-1
Hydroperiods	D 1.4, H 1.2	A-2
Location of outlet (can be added to map of hydroperiods)	D 1.1, D 4.1	
Boundary of area within 150 ft of the wetland (can be added to another figure)	D 2.2, D 5.2	
Map of the contributing basin	D 4.3, D 5.3	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	A-3
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	D 3.1, D 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	D 3.3	

#### **Riverine Wetlands**

Map of:	To answer questions:	Figure #
Cowardin plant classes	Н 1.1, Н 1.4	
Hydroperiods	H 1.2	
Ponded depressions	R 1.1	
Boundary of area within 150 ft of the wetland (can be added to another figure)	R 2.4	
Plant cover of trees, shrubs, and herbaceous plants	R 1.2, R 4.2	
Width of unit vs. width of stream (can be added to another figure)	R 4.1	
Map of the contributing basin	R 2.2, R 2.3, R 5.2	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	Н 2.1, Н 2.2, Н 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	R 3.1	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	R 3.2, R 3.3	

#### Lake Fringe Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	L 1.1, L 4.1, H 1.1, H 1.4	
Plant cover of trees, shrubs, and herbaceous plants	L 1.2	
Boundary of area within 150 ft of the wetland (can be added to another figure)	L 2.2	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	Н 2.1, Н 2.2, Н 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	L 3.1, L 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	L 3.3	

#### Slope Wetlands

Map of:	To answer questions:	Figure #
Cowardin plant classes	Н 1.1, Н 1.4	
Hydroperiods	H 1.2	
Plant cover of dense trees, shrubs, and herbaceous plants	S 1.3	
Plant cover of dense, rigid trees, shrubs, and herbaceous plants	S 4.1	
(can be added to figure above)		
Boundary of 150 ft buffer (can be added to another figure)	S 2.1, S 5.1	
1 km Polygon: Area that extends 1 km from entire wetland edge - including	H 2.1, H 2.2, H 2.3	
polygons for accessible habitat and undisturbed habitat		
Screen capture of map of 303(d) listed waters in basin (from Ecology website)	S 3.1, S 3.2	
Screen capture of list of TMDLs for WRIA in which unit is found (from web)	S 3.3	

These questions apply to wetlands of all HGM classes.	
HABITAT FUNCTIONS - Indicators that site functions to provide important habitat	-
H 1.0. Does the site have the potential to provide habitat?	
H 1.1. Structure of plant community: Indicators are Cowardin classes and strata within the Forested class. Check the Cowardin plant classes in the wetland. Up to 10 patches may be combined for each class to meet the threshold of % ac or more than 10% of the unit if it is smaller than 2.5 ac. Add the number of structures checked.        Aquatic bed       4 structures or more: points = 4         XEmergent       3 structures: points = 2         XScrub-shrub (areas where shrubs have > 30% cover)       2 structures: points = 1         XForested (areas where trees have > 30% cover)       1 structure: points = 0         If the unit has a Forested class, check if:      The Forested class has 3 out of 5 strata (canopy, sub-canopy, shrubs, herbaceous, moss/ground-cover)         that each cover 20% within the Forested polygon       1 structure	4
H 1.2. Hydroperiods	0
H 1.2. Hydroperiods         Check the types of water regimes (hydroperiods) present within the wetland. The water regime has to cover more than 10% of the wetland or ¼ ac to count (see text for descriptions of hydroperiods).        Permanently flooded or inundated       4 or more types present: points = 3         XSeasonally flooded or inundated       3 types present: points = 2         XSeasonally flooded or inundated       2 types present: points = 1         XSaturated only       1 type present: points = 0        Permanently flowing stream or river in, or adjacent to, the wetland       2 points = 0        Seasonally flowing stream in, or adjacent to, the wetland       2 points        Seasonally flowing stream in, or adjacent to, the wetland       2 points	2
H 1.3. Richness of plant species	2
Count the number of plant species in the wetland that cover at least 10 ft².Different patches of the same species can be combined to meet the size threshold and you do not have to name the species. Do not include Eurasian milfoil, reed canarygrass, purple loosestrife, Canadian thistleIf you counted: > 19 speciespoints = 25 - 19 speciespoints = 1< 5 species	2
H 1.4. Interspersion of habitats	3
Decide from the diagrams below whether interspersion among Cowardin plants classes (described in H 1.1), or the classes and unvegetated areas (can include open water or mudflats) is high, moderate, low, or none. <i>If you</i> <i>have four or more plant classes or three classes and open water, the rating is always high.</i> None = 0 points Low = 1 point Decide from the diagrams below whether interspersion among Cowardin plants classes (described in H 1.1), or the classes and open water or mudflats) is high, moderate, low, or none. If you have four or more plant classes or three classes and open water, the rating is always high. None = 0 points Low = 1 point Decide from the diagrams below whether interspersion among Cowardin plants classes (described in H 1.1), or the classes and open water or mudflats) is high, moderate, low, or none. <i>If you</i> have four or more plant classes or three classes and open water, the rating is always high. None = 0 points	
All three diagrams in this row are HIGH = 3points	

H 1.5. Special habitat features:	4
Check the habitat features that are present in the wetland. The number of checks is the number of points.	
$X_{\rm m}$ Large, downed, woody debris within the wetland (> 4 in diameter and 6 ft long).	
$X_{\rm M}$ Standing snags (dbh > 4 in) within the wetland	
Undercut banks are present for at least 6.6 ft (2 m) <b>and/or</b> overhanging plants extends at least 3.3 ft (1 m) over a stream (or ditch) in, or contiguous with the wetland, for at least 33 ft (10 m)	
Stable steep banks of fine material that might be used by beaver or muskrat for denning (> 30 degree slope) OR signs of recent beaver activity are present (cut shrubs or trees that have not yet weathered where wood is exposed)	
X At least ¼ ac of thin-stemmed persistent plants or woody branches are present in areas that are permanently or seasonally inundated <i>(structures for egg-laying by amphibians)</i>	
XInvasive plants cover less than 25% of the wetland area in every stratum of plants (see H 1.1 for list of strata)	
Total for H 1Add the points in the boxes above	15

#### **Rating of Site Potential** If score is: <u>X</u> **15-18 = H \_\_\_7-14 = M \_\_\_0-6 = L**

H 2.0. Does the landscape have the potential to support the habitat functions of the site?	
H 2.1. Accessible habitat (include only habitat that directly abuts wetland unit).	3
Calculate: % undisturbed habitat <u>33</u> + [(% moderate and low intensity land uses)/2] <u>1</u> = <u>34</u> %	
If total accessible habitat is:	
> <sup>1</sup> / <sub>3</sub> (33.3%) of 1 km Polygon points = 3	
20-33% of 1 km Polygon points = 2	
10-19% of 1 km Polygon points = 1	
< 10% of 1 km Polygon points = 0	
H 2.2. Undisturbed habitat in 1 km Polygon around the wetland.	3
Calculate: % undisturbed habitat 59 + [(% moderate and low intensity land uses)/2] 4 = 63 %	
Undisturbed habitat > 50% of Polygon points = 3	
Undisturbed habitat 10-50% and in 1-3 patches points = 2	
Undisturbed habitat 10-50% and > 3 patches points = 1	
Undisturbed habitat < 10% of 1 km Polygon points = 0	
H 2.3. Land use intensity in 1 km Polygon: If	0
> 50% of 1 km Polygon is high intensity land use points = (- 2)	
≤ 50% of 1 km Polygon is high intensity points = 0	
Total for H 2Add the points in the boxes above	6
<b>Rating of Landscape Potential</b> If score is: $\chi$ <b>4-6 = H 1-3 = M (-1 = L</b> ) Record the rating on the first page	

H 3.0. Is the habitat provided by the site valuable to society?		
H 3.1. Does the site provide habitat for species valued in laws, regulations, or policies? Choose only	the highest score	2
that applies to the wetland being rated.		
Site meets ANY of the following criteria:	points = 2	
<ul> <li>It has 3 or more priority habitats within 100 m (see next page)</li> </ul>		
X. It provides habitat for Threatened or Endangered species (any plant or animal on the sta	ate or federal lists)	
<ul> <li>It is mapped as a location for an individual WDFW priority species</li> </ul>		
It is a Wetland of High Conservation Value as determined by the Department of Natural	Resources	
X It has been categorized as an important habitat site in a local or regional comprehensive	e plan, in a	
Shoreline Master Plan, or in a watershed plan		
Site has 1 or 2 priority habitats (listed on next page) within 100 m	points = 1	
Site does not meet any of the criteria above	noints = 0	
		the first wards
<b>Rating of Value</b> If score is: <u>X</u> 2 = H1 = Wi0 = L	Record the rating on	the first page

-1

### **WDFW Priority Habitats**

<u>Priority habitats listed by WDFW</u> (see complete descriptions of WDFW priority habitats, and the counties in which they can be found, in: Washington Department of Fish and Wildlife. 2008. Priority Habitat and Species List. Olympia, Washington. 177 pp. <u>http://wdfw.wa.gov/publications/00165/wdfw00165.pdf</u> or access the list from here: <u>http://wdfw.wa.gov/conservation/phs/list/</u>)

Count how many of the following priority habitats are within 330 ft (100 m) of the wetland unit: **NOTE:** This question is independent of the land use between the wetland unit and the priority habitat.

- Aspen Stands: Pure or mixed stands of aspen greater than 1 ac (0.4 ha).
- **Biodiversity Areas and Corridors**: Areas of habitat that are relatively important to various species of native fish and wildlife (*full descriptions in WDFW PHS report*).
- Herbaceous Balds: Variable size patches of grass and forbs on shallow soils over bedrock.
- Old-growth/Mature forests: <u>Old-growth west of Cascade crest</u> Stands of at least 2 tree species, forming a multi-layered canopy with occasional small openings; with at least 8 trees/ac (20 trees/ha) > 32 in (81 cm) dbh or > 200 years of age. <u>Mature forests</u> Stands with average diameters exceeding 21 in (53 cm) dbh; crown cover may be less than 100%; decay, decadence, numbers of snags, and quantity of large downed material is generally less than that found in old-growth; 80-200 years old west of the Cascade crest.
- **Oregon White Oak:** Woodland stands of pure oak or oak/conifer associations where canopy coverage of the oak component is important (*full descriptions in WDFW PHS report p. 158 see web link above*).
- **Riparian**: The area adjacent to aquatic systems with flowing water that contains elements of both aquatic and terrestrial ecosystems which mutually influence each other.
- Westside Prairies: Herbaceous, non-forested plant communities that can either take the form of a dry prairie or a wet prairie (*full descriptions in WDFW PHS report p. 161 see web link above*).
- **Instream:** The combination of physical, biological, and chemical processes and conditions that interact to provide functional life history requirements for instream fish and wildlife resources.
- -X Nearshore: Relatively undisturbed nearshore habitats. These include Coastal Nearshore, Open Coast Nearshore, and Puget Sound Nearshore. (*full descriptions of habitats and the definition of relatively undisturbed are in WDFW report see web link on previous page*).
- **Caves:** A naturally occurring cavity, recess, void, or system of interconnected passages under the earth in soils, rock, ice, or other geological formations and is large enough to contain a human.
- **Cliffs:** Greater than 25 ft (7.6 m) high and occurring below 5000 ft elevation.
- **Talus:** Homogenous areas of rock rubble ranging in average size 0.5 6.5 ft (0.15 2.0 m), composed of basalt, andesite, and/or sedimentary rock, including riprap slides and mine tailings. May be associated with cliffs.
- Snags and Logs: Trees are considered snags if they are dead or dying and exhibit sufficient decay characteristics to enable cavity excavation/use by wildlife. Priority snags have a diameter at breast height of > 20 in (51 cm) in western Washington and are > 6.5 ft (2 m) in height. Priority logs are > 12 in (30 cm) in diameter at the largest end, and > 20 ft (6 m) long.

**Note:** All vegetated wetlands are by definition a priority habitat but are not included in this list because they are addressed elsewhere.

Wetland Rating System for Western WA: 2014 Update Rating Form – Effective January 1, 2015

SC 4.0. Forested Wetlands	
Does the wetland have at least 1 contiguous acre of forest that meets one of these criteria for the WA	
Department of Fish and Wildlife's forests as priority habitats? <i>If you answer YES you will still need to rate</i>	
the wetland based on its functions.	
- Old-growth forests (west of Cascade crest): Stands of at least two tree species, forming a multi-layered	
canopy with occasional small openings; with at least 8 trees/ac (20 trees/ha) that are at least 200 years of	
age OR have a diameter at breast neight (dbn) of 32 in (81 cm) or more.	
— Mature forests (west of the Cascade Crest): Stands where the largest trees are 80-200 years old OK the species that make up the saperty have an average diameter (dbh) exceeding 21 in (52 cm)	
species that make up the carlopy have an average diameter (doin) exceeding 21 in (35 thi).	
Yes = Category I No = Not a forested wetland for this section	Cat. I
SC 5.0. Wetlands in Coastal Lagoons	
Does the wetland meet all of the following criteria of a wetland in a coastal lagoon?	
— The wetland lies in a depression adjacent to marine waters that is wholly or partially separated from	
marine waters by sandbanks, gravel banks, shingle, or, less frequently, rocks	
— The lagoon in which the wetland is located contains ponded water that is saline or brackish (> 0.5 ppt)	Cat
during most of the year in at least a portion of the lagoon (needs to be measured near the bottom) Ves = Go to SC 5.1 No = Not a wetland in a coastal lagoon	
SC 5.1 Does the wetland meet all of the following three conditions?	
— The wetland is relatively undisturbed (has no diking, ditching, filling, cultivation, grazing), and has less	
than 20% cover of aggressive, opportunistic plant species (see list of species on p. 100).	Cat. II
— At least ¾ of the landward edge of the wetland has a 100 ft buffer of shrub, forest, or un-grazed or un-	
mowed grassland.	
— The wetland is larger than $^{1}/_{10}$ ac (4350 ft <sup>2</sup> )	
Yes = Category I No = Category II	
SC 6.0. Interdunal Wetlands	1
Is the wetland west of the 1889 line (also called the Western Boundary of Upland Ownership or WBUO)? If	
you answer yes you will still need to rate the wetland based on its habitat functions.	
In practical terms that means the following geographic areas:	
<ul> <li>Long Beach Peninsula: Lands west of SR 103</li> </ul>	
← Grayland-Westport: Lands west of SR 105	Cati
Ocean Shores-Copalis: Lands west of SR 115 and SR 109	
Yes – Go to SC 6.1 No = not an interdunal wetland for rating	
SC 6.1. Is the wetland 1 ac or larger and scores an 8 or 9 for the habitat functions on the form (rates H.H.H or H.H.M	Cat. II
for the three aspects of function)? Yes = <b>Category I</b> No – Go to <b>SC 6.2</b>	
SC 6.2. Is the wetland 1 ac or larger, or is it in a mosaic of wetlands that is 1 ac or larger?	
Yes = Category II No – Go to SC 6.3	Cat. III
SC 6.3. Is the unit between 0.1 and 1 ac, or is it in a mosaic of wetlands that is between 0.1 and 1 ac?	
Yes = Category III No = Category IV	<b>C</b> + N/
	Cat. IV
Category of wetland based on Special Characteristics	Cotogony
I It you answered No for all types, enter "Not Applicable" on Summary Form	





