Local Wetland Inventory Report

for the

City of Dallas

Polk County, Oregon

Prepared for:

City of Dallas
Attn: Scott Whyte; Planning Director
187 SE Court Street
Dallas, OR 97338

Submitted by:

ZION Natural Resources Consulting
P.O. Box 545
Dallas, OR 97361
Phone/Fax: 503-838-0103
ZNR Project #: 1482

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SECTION I - INTRODUCTION

At the request of the City of Dallas; Zion Natural Resources Consulting conducted a Local Wetlands Inventory (LWI) within the City's Urban Growth Boundary. An LWI is a systematic survey of a large geographic area to locate and map wetlands, classify them by type, and evaluate their function and value. This study includes determining the location and extent of wetlands of 0.5 acres in size or greater; assess the quality of the wetlands, and determining which of these wetlands are significant according to the requirements of Goal 5. The goal of the study is to address the requirements of Statewide Planning Goal 5 (*Natural Resources, Scenic and Historic Areas, and Open Spaces*), Oregon Administrative Rule (OAR) Section 660, Division 23. The objective of Goal 5 is to "protect natural resources and conserve scenic, historic, and open space resources for present and future generations." Local governments are required to use an LWI and list of significant wetlands when completing the requirements of state planning Goal 5.

The LWI maps and supporting information, wetland function and condition assessments, and locally significant wetlands determinations are useful for a variety of planning and regulatory purposes including local planning for wetlands and riparian corridors under Goal 5 of the statewide land use planning program, wetland identification for the wetland land use notification program, and to make preliminary wetland and waterway jurisdictional determinations under the Oregon Removal-Fill Law and the federal Clean Water Act Section 404 program. Local residents, landowners, watershed councils, government agencies, developers, resource professionals and others can use the LWI information to plan for sustainable development, wetland mitigation, water quality improvement, species recovery, habitat restoration, recreation and open space acquisition.

LWI maps identify wetlands, streams and other waters potentially subject to permit requirements under the Oregon Removal-Fill Law, administered by the Department of State Lands (DSL) and the federal Clean Water Act Section 404 program, administered by the U.S. Army Corps of Engineers (USACE). The maps can be used as preliminary jurisdictional determinations, i.e. as an initial source of information on the presence and locations of potentially regulated wetlands and waterways. LWI maps are not adequate for regulatory purposes due to the limitations of the inventory methods, small map scale and because wetlands less than 0.5 acres in size are generally not mapped. Site-specific jurisdictional determinations can only be made by the regulatory agencies. The City of Dallas Planning Department, DSL and USACE can be contacted for assistance in making jurisdictional determinations and locating wetland and waterway boundaries for regulatory purposes. An on-site wetland delineation by a qualified professional may be required to meet state and federal regulatory requirements.

A list of abbreviations used in this study are included in Appendix A. The inventory was conducted according to standards and guidelines outlined in the Department of State Lands (DSL) OAR 141-08600180 through 141-086-0390 (Appendix B). Staff qualifications are in Appendix C and Appendix D provides the wetland summary sheets. The *Oregon Freshwater Assessment Methodology* (OFWAM) wetland characterizations questions, assessment results, and, and functions and condition summary sheets are provided in Appendices E, F, and G. The locally significant wetland checklist is provided in Appendix H. The wetland datasheets for each sample plot are provided in Appendix I and maps of the LWI are provided in Appendix J.

SECTION II - DESCRIPTION OF THE STUDY AREA AND PHYSICAL CHARACTERISTICS

2.1 STUDY AREA

Dallas is located in Polk County, Oregon, approximately 15 miles west of Salem, Oregon. The study area has been established according to the Dallas Urban Growth Boundary (UGB) which does extend outside the city limits (Figure 1). The Dallas city limits currently includes 3,112 acres and has a total area of 4.81 square miles. The UGB includes additional areas outside the city limits (862 acres) for a total study area of 3,974 acres.

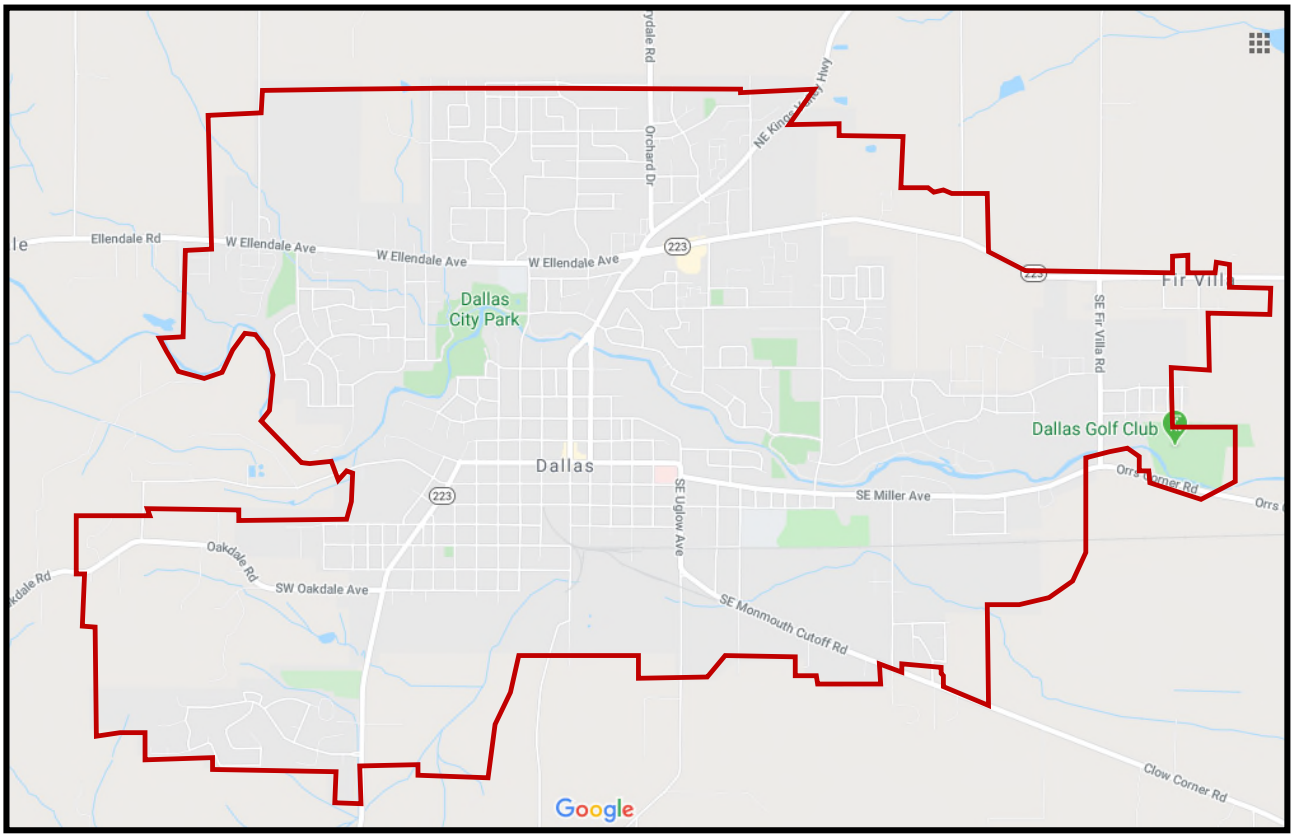
2.2 LANDSCAPE SETTING AND TOPOGRAPHY

Dallas is located in the Willamette Valley, west of the Willamette River and located along the Rickreall Creek. The valley is bordered by the Coastal Range to the west and the Cascade Mountains to the east. The majority of the City is on the flat valley floor. The southwestern portion of the study area rises in topography. Elevations range from approximately 700 feet above sea level in the southwest to 260 feet along the Rickreall Creek in the eastern portion of the City. The elevation for Dallas is at 325 feet above sea level.

2.3 HISTORY

Dallas was settled in the 1840s on the north side of Rickreall Creek (in the area that is now north Dallas) and was originally named "Cynthian" or "Cynthiana". It is likely the name was chosen by Mrs. Thomas Lovelady, naming it after her hometown of Cynthiana, Kentucky. In 1852, acting on a petition signed by a number of citizens, Dallas was renamed in honor of Vice President George Mifflin Dallas. The town was moved to the south side of Rickreall creek in 1855 or 1856, where water was more plentiful. Dallas was incorporated as the Town of Dallas in 1874, and as the City of Dallas in 1901. According to the Unites States Census Bureau, as of 2010, the population of Dallas was 14,583 residents (City of Dallas website).

FIGURE 1. City of Dallas Map and Study Area



2.4 HYDROLOGY

The study area is in the Middle Willamette River Drainage Basin within the Rickreall watershed which is 98 square miles (62,720 acres) that stretches from the Willamette River up to the crest of the coast range. It has a distance of 25 miles with an elevation of 3,500 feet. The City of Dallas is located nearly in the center of the watershed and marks the transition between the upper and lower portions of the watershed. The elevation ranges from 300 feet above sea level in Dallas to nearly 3,600 feet at the top of Laurel Mountain, the highest point in the watershed. As a result of this relatively rapid change in elevation, headwater tributaries are steep in somewhat narrow valleys, and have cool water flowing over cobbles and boulders that support native trout and other cool-water aquatic species. At about the center of the upper watershed, at River Mile 26, Rickreall Creek is impounded by an earthen dam. This dam creates Mercer Reservoir, a 60-acre municipal water supply for the city of Dallas. Downstream of Mercer Reservoir, summer flow in Rickreall Creek increase as a result of release water from the reservoir and additional flow from several large tributaries. Approximately half of the increased summer flow released from Mercer Reservoir is diverted from the natural channel at River Mile 20 and travels through the municipal water system of the City of Dallas. The remaining water in the creek continues on and also flows through Dallas and on into the eastern or lower portion of the watershed. The eastern or lower portion of the watershed is much flatter and the watershed widens to ten miles as it spreads out onto the broad Willamette Valley floor. Rickreall Creek regains some of its diverted flow at River Mile 9 where the municipal wastewater treatment plant has its outfall. Below this point to the confluence with the Willamette River, Rickreall Creek receives little additional summer contributions from tributaries. The stream decreases in energy due to the reduced gradient and it begins to meander, flow more slowly, and warms in temperature. The channel is relatively entrenched or constrained between high banks or terraces where it has cut down into floodplain deposits. Cold-water fish give way to warm water species and forests give way to open landscapes now in agriculture. This variation across the landscape from west to east is evident nearly in every aspect of the watershed—such as the geology and soils, climate, vegetation, landscape morphology, human settlement patterns, and land use. (Rickreall Watershed Assessment, 2001). The southern portion of the study area also encompasses the Ash Creek watershed which is 33,887 acres in size and includes the North Fork of Ash Creek. A large portion of the stream has been modified through channelization and removal of riparian vegetation resulting in steep embankments. Ash Creek joins the Willamette River at the town of Independence. Ash Creek itself was reportedly created by ditching and may not represent a natural drainage (Luckiamute / Ash Creek / American Bottom Watershed Assessment, 2004).

2.5 SOILS

Hydric soils and soils with hydric inclusions are summarized in Table's 1 and 2 and in Figure 2. Hydric Soils Map. A hydric soil is a soil that formed under conditions of saturation, flooding or ponding long enough during the growing season to develop anaerobic conditions in the upper part of the soil strata. The concept of a hydric soil includes soils developed under sufficiently wet conditions to support the growth and regeneration of hydrophytic vegetation. A soil that is not considered hydric may contain small percentages of hydric soils within its overall strata; these are considered hydric inclusions.

Hydric soil series mapped in the study area include Bashaw silty clay loam (6A and 6C), Concord silt loam (20), Cove silt clay loam (21), Dayton silt loam (25), Waldo silt clay loam (72), Wapato silty clay loam (73), and Xerofluvents (79).

Bashaw silty clay loam is a poorly drained soil on floodplains, terraces, and fans that formed in alluvium. Soil matrix colors between 0 and 16 inches below ground surface ranger from 10YR 4/1 to N2/0. Bashaw has very slow permeability with frequent, very long periods of ponding in December through April.

Concord silt loam is a very deep, poorly drained soil on terraces that formed in stratified glacio lacustrine deposits. Soil matrix colors between 0 and 16 inches below ground surface range from 10YR 3/2 and 10YR 7/1. Concord has very slow permeability and ponded to slow runoff. An apparent water table is at its uppermost limit from December to April.

Cove silty clay loam is a very deep, very poorly drained soil on flood plains that formed in mixed alluvium from sedimentary and basic igneous rocks. Soil matrix colors between 0 and 16 inches below ground surface range from 10YR 3/1 and N4/. Cove has very slow permeability and slow to ponded runoff. Common flooding for brief periods occurs from December to April. A high-water table fluctuates between 0 and 1.0 foot from the soil surface from December to June.

Dayton silt loam is a very deep, poorly drained soil on terraces that formed in stratified glacio lacustrine deposits. Soil matrix colors between 0 and 16 inches below ground surface range from 5Y 4/1 and 10YR 6/1. Dayton has a very slow permeability and a ponded or slow runoff. A perched water table is at its uppermost limit from November to April and is ponded from December to April. This soil also has an apparent water table.

Waldo silty clay loam is a very deep, poorly drained soil on narrow flood plains and fans that formed in clayey alluvium. Soil matrix colors between 0 and 16 inches below ground surface range from 10YR 3/2 and 10YR 5/1. Waldo has a slow permeability and is subject to occasional flooding for brief periods from December to April. An apparent high-water table is at its uppermost limit from December to April and is ponded from January to March.

Wapato silty clay loam is a very deep, poorly drained soil on flood plains that formed in mixed alluvium. Soil matrix colors between 0 and 16 inches below ground surface range from 10YR 3/2 and 10YR 4/2. Wapato has slow permeability and is subject to occasional to frequent flooding for brief periods from December to April. An apparent high-water table is at its uppermost limit from December to April and is ponded from January to March.

Xerofluvents are excessively drained and well drained soils that are on active floodplains adjacent to streams and rivers. Xerofluvents, loamy, are too variable to be classified as a soil series. They consist of stratified loamy material over sandy loam, sand, and gravel. If formed in stratified recent alluvium. Slopes are 0 to 3% with elevation from 125 to 700 feet. Permeability, available water capacity, and the water supplying capacity are too variable to rate. Runoff is slow and the hazard of erosion is high.

Table 1. Hydric Soils Mapped in the Study Area

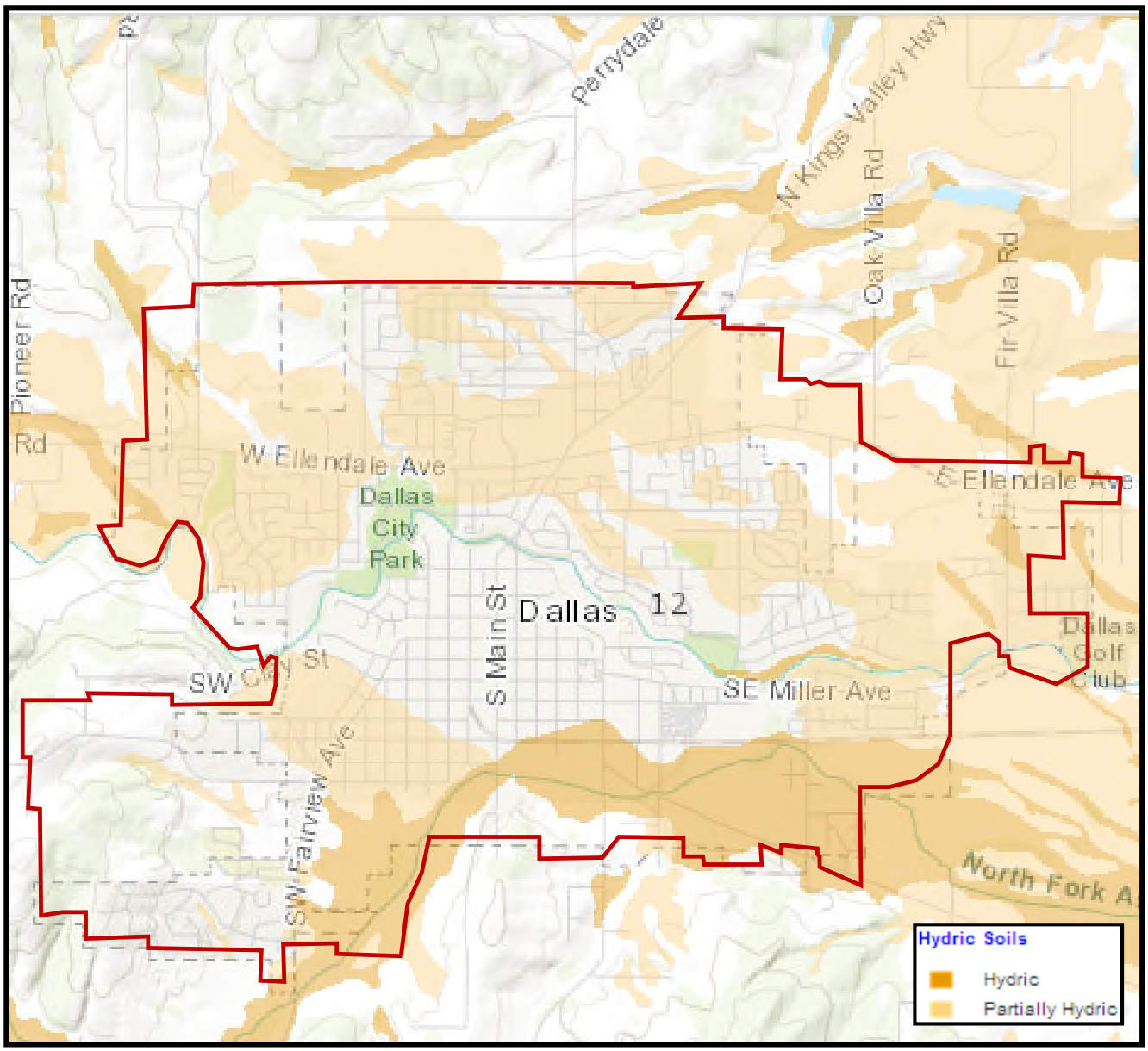
Mapping Unit Symbol	Mapping Unit Name
6A	Bashaw silty clay loam, 0 to 3% slopes
6C	Bashaw silty clay loam, 3 to 12% slopes
20	Concord silt loam
21	Cove silty clay loam
25	Dayton silt loam
72	Waldo silty clay loam
73	Wapato silty clay loam
79	Xerofluvents, loamy

Table 2. Soils Mapped in the Study Area with Hydric Inclusions

Mapping Unit Symbol	Mapping Unit Name	Inclusions
3	Amity silt loam	Concord and Dayton soil on terraces
12A	Briedwell silt loam, 0 to 3% slopes	Wet spots on terraces
13	Camas gravelly sandy loam	Wet spots on flood plain areas
14	Chehalis silty clay loam, occasionally flooded	Wet spots on flood plain areas
17	Cloquato silt loam	Wet spots on flood plain areas
18	Coburg silty clay loam	Wet spots on terraces
27C	Dupee silt loam, 3 to 12% slopes	Wet spots on hills
30C	Helmick silt loam, 3 to 12% slopes	Wet spots on hills
33	Holcomb silt loam	Concord and Dayton soil on terraces
45	Malabon silty clay loam	Wet spots on terraces
46	Malabon silty clay loam, occasionally flooded	Wet spots on flood plain areas
48A	McAlpin silty clay loam, 0 to 3% slopes	Wet spots on terraces
64B	Salkum silty clay loam, 2 to 6% slopes	Wet spots on terraces
74C	Willakenzie silty clay loam, 2 to 12% slopes	Wet spots on hills

75A	Willamette silt loam, 0 to 3% slopes	Concord and Dayton soil on terraces
75C	Willamette silt loam, 3 to 12% slopes	Concord and Dayton soil on terraces
77A	Woodburn silt loam, 0 to 3% slopes	Wet spots on terraces

FIGURE 2. City of Dallas Hydric Soils Map



2.6 VEGETATION

Aerial photographs and field observations show that native plant communities in Dallas have been altered by grazing, farming and urban development activities. Remnant native plant communities includes an Oregon white oak forest in the northwest portion of the city and riparian vegetation consisting of Oregon Ash and Big Leaf Maple along Rickreall Creek and the North Fork of Ash Creek. Dominant plant species associated with Dallas wetlands are listed in Table 3.

A Wetland Indicator Status is assigned to each plant species by the U.S. Fish and Wildlife Service National Wetlands Inventory program which is also listed in Table 3. The wetland indicator status is an estimated probability of the frequency of the plant species occurrence in wetlands and is assigned the following codes:

OBL: Obligate wetland plants almost always (estimated probability >99%) occur under natural conditions in wetlands.
FACW: Facultative Wetland plants usually occur in wetlands (estimated probability 67-99%), but are occasionally found in non-wetlands.
FAC: Facultative plants are equally likely to occur in wetlands or non-wetlands (estimated probability 34-66%).
FACU: Facultative Upland plants usually occur in non-wetlands (estimated probability 67-99%), but are occasionally found in wetlands (estimated probability 1-33%).
NOL: Not On List plants occur almost always under natural conditions in non-wetlands, and are considered representative of upland habitats.
NI: No Indicator-no status determined

Table 3. Dominant Plant Species and Wetland Indicator Status

Common Name	Scientific Name	Wetland Indicator Status
	HERBS	
Colonial bentgrass	*Agrostis capillaris*	FAC
Field Meadow-Foxtail	*Alopecurus pratensis*	FAC
Large Sweet Vernal Grass	*Anthoxanthum odoratum*	FACU
Small Camas	*Camassia quamash*	FACW
Slough sedge	*Carex obnupta*	OBL
Orchard grass	*Dactylis glomerata*	FACU
Queen Anne's-Lace	*Daucus carota*	FACU
Fringed Willowherb	*Epilobium ciliatum*	FACW
Ground ivy	*Glechoma hederacea*	FACU
Common Velvet-grass	*Holcus lanatus*	FAC
Hairy Cat's-Ear	*Hypochaeris radicata*	FACU
Toad Rush	*Juncus bufonius*	FACW
Lamp Rush	*Juncus effusus*	FACW
Spreading rush	*Juncus patens*	FACW

Ox-Eye Daisy	*Leucanthemum vulgare*	FACU
Perennial ryegrass	*Lolium perenne*	FAC
Oso-Berry	*Oemleria cerasiformis*	FACU
Pacific Water-Dropwort	*Oenanthe sarmentosa*	OBL
Reed Canary Grass	*Phalaris arundinacea*	FACW
English Plantain	*Plantago lanceolata*	FACU
Pineland Sword Fern	*Polystichum munitum*	FACU
Creeping buttercup	*Ranunculus repens*	FAC
Curly Dock	*Rumex crispus*	FAC
Tall False Rye Grass	*Schedonorus arundinaceus*	FAC
Common dandelion	*Taraxacum officinale*	FACU
Fragrant Fringecup	*Tellima grandiflora*	FACU
Broad-Leaf Cat-Tail	*Typha latifolia*	OBL
	SHRUBS	
Black Hawthorn	*Crataegus douglasii*	FAC
Oregon ash	*Fraxinus latifolia*	FACW
Oso-Berry	*Oemleria cerasiformis*	FACU
Blood Currant	*Ribes sanguineum*	FACU
Nootka rose	*Rosa nutkana*	FAC
Himalayan Blackberry	*Rubus armeniacus*	FAC
Pacific Willow	*Salix lasiandra*	FACW
Scouler willow	*Salix scoulerana*	FAC
Common Snowberry	*Symphoricarpos albus*	FACU
	TREES	
Big-leaf maple	*Acer macrophyllum*	FACU
Black Hawthorn	*Crataegus douglasii*	FAC
Cascara False Buckthorn	*Frangula purshiana*	FAC
Oregon ash	*Fraxinus latifolia*	FACW
Balsam Poplar	*Populus balsamifera*	FAC
Sweet Cherry	*Prunus avium*	FACU
Douglas-Fir	*Pseudotsuga menziesii*	FACU
Oregon White Oak	*Quercus garryana*	FACU

SECTION III – METHODS AND PROCEDURES

3.1 WETLAND INVENTORY PROCESS

Methods for local wetland inventories, wetland function and condition assessments and locally significant wetlands determinations are described in the following Oregon Administrative Rules (OARs):

- *Local Wetlands Inventory Standards and Guidelines* (OAR 141-86-180 to 240)
- *Identifying Significant Wetlands* (OAR 141-86-300 to 390)
- *Procedures and Requirements for Complying With Goal 5* (OAR 660-23-100)

Methodology used for the Dallas LWI wetland inventory process began with preparing a series of field maps including the following:

- Aerial Photographs (2016) with tax lot overlays and FEMA flood plain and floodway overlays provided through Polk County GIS;
- USFWS NWI Wetlands Mapper (http://wetlandsfws.er.usgs.gov/) online maps showing wetlands and deepwater habitats (other waters);
- Wetland maps from DSL's wetland determination/delineation files;
- NRCS hydric soils and soils with hydric inclusion maps from the NRCS Soil Data Mart website (http://soildatamart.nrcs.usda.gov).
- Google Earth (version 7.3.2.5776) was also utilized for specific inventory areas to identify wetland signatures through their Historical Imagery Tool which had the following imagery years for the Dallas area: 1994, 2000, 2003, 2004, 2005, 2006, 2010, 2011, 2012, 2014, 2016, 2017, and 2018.

Access permission postcards were sent to landowners with undeveloped properties within the Dallas UGB and City Limits and properties that are 0.5 acres in size or greater. Approximately 233 post cards were mailed to landowners in the Dallas area and 76 cards were returned granting access to their properties. A public meeting was then held at the Dallas City Hall on March 6, 2019 to outline the wetland inventory process. After the public meeting and the acceptance or denial of property access by landowners, inventory staff began the field work. This process is detailed in section 3.4 and 3.5 below.

3.2 PUBLIC INVOLVEMENT PROCESSES

A public meeting was scheduled (March 6, 2019) at the early stages of the inventory to discuss the process involved and to request property access permission from landowners within the study area for parcels identified by inventory staff and/or DSL as potentially containing wetlands. The landowner also had the option of being present when fieldwork was conducted.

Due to the Covid-19 pandemic a second public meeting was not held but the draft inventory report and maps were posted online through the City of Dallas website (May 1, 2020) to review the draft inventory with the planning commission, elected officials, and other regulatory agencies involved. The public and local government then expressed comments or concerns on the draft inventory which were addressed and provided to DSL.

According to DSL rules, when the LWI is approved, the City of Dallas must notify by mail within one hundred twenty (120) calendar days all landowners of record whose parcel contains or abuts a mapped wetland or probable wetland mapped on their parcel. The City of Dallas must also provide a copy of the landowner notification letter to DSL.

3.3 OFF SITE WETLAND DETERMINATION PROCEDURES

Potential wetlands are areas identified from off-site sources that have one or more wetland characteristics. Potential wetlands are candidates for field-verification to determine if they meet wetland criteria. Only potential wetland sites 0.5 acres and larger were field verified in accordance with LWI mapping standards. The following information sources were reviewed to identify potential wetlands:

- DSL regulatory files including permit files, DSL wetland determinations and private consultant wetland delineations submitted for DSL review.
- Polk County Web Maps (PCWebMaps) online GIS application was utilized for color aerial photographs, soils maps, landowner information, current land uses, and boundaries (tax lots, UGB, City Limits) (Imagery date 2016, 1 foot per pixel or 1 inch = 1600 feet).
- Google Earth Pro software version 7.3.2.5776 was utilized for limited historical aerial photography for the years 1994, 2000, 2003, 2004, 2005, 2006, 2010, 2011, 2012, 2014, 2016, 2017, and 2018.
- True color aerial photography was provided in digital format by Polk County (2016). *Soil Survey of Polk County Area, Oregon,* US Department of Agriculture (USDA). Soils maps are at a 1:20,000 scale. A digital version of the soils mapping was also used.
- National Wetlands Inventory (NWI) maps produced by the US Fish and Wildlife Service (USFWS) at a scale of 1:24,000. Maps used included the Dallas quadrangle.
- Topographic quadrangle maps produced by the US Geological Survey (USGS) at a scale of 1:24,000. Map used included the Dallas quadrangle.
- Federal Emergency Management Act (FEMA) floodplain maps.

Visual determinations were also conducted via roads and City property adjacent to non-accessible properties to observe hydrophytic vegetation, contours in the land to identify low spots, or any ponding that may have occurred.

DSL-approved wetland delineations and mitigation sites with corresponding maps were included on the Dallas LWI maps for wetlands that have not been impacted by development. The original wetland delineation maps are more precise and should be used for site-specific planning.

Table 4. DSL approved wetland delineation within the Dallas UGB.

DSL WD#	Legal Description	LWI Quad Map
WD-2003-0557; 31335-FP	T7S, R5W, Sec. 28 and 29, Tax Lot 2406	**NE**
WD-2006-0355	T7S, R5W, Sec. 33D, Tax lots 900, 1100, 1122, 1121, 1000; and Sec. 33DC Tax Lot 2500; and T8S, R5W 4QQ, Tax Lots 1300 and 2000	**S**
WD-2007-0413	T7S, R5W, Sec. 34AA, Tax Lot 2500	**SE**
WD-2009-0420	T7S, R5W, Sec. 33C, Tax Lot 2400 (portion of)	**S**
WD-2014-0303; 56688-RF	T7S, R5W, Sec. 27, Tax Lots 6400 and 6500; Sec. 34 Tax Lot 100, 201, 303, 600, 700, 800, and 1500	**SE**
WD-2016-0292	T7S, R5W, Sec. 29, Tax Lots 504 and 505	**NW**
WD-2017-0021	T7S, R5W, Sec. 34, Tax Lot 2300	**SE**
WD-2017-0344	T7S, R5W, Sec. 34A, Tax Lot 1800; T7S, R5W, Sec. 34B, Tax Lot 2509	**SE**
WD-2017-0462	T7S, R5W, Sec. 32CA, Tax Lot 500,900, and SW Clay St. ROW (portion of)	**SW**
WD-2017-0490	T7S, R5W, Sec. 32, Tax Lot 7900 and 7904; T8S, R5W, Sec. 5, Tax Lots 100A, 101A, 800AA, and 803AA	**SW**
WD-2017-0500	T7S, R5W, Sec. 34CC, Tax Lots 100, 200, and 300; T7S, R5W, Sec. 33D, Tax Lot 100; T8S, R5W, Sec. 3BB, Tax Lot 1202 and 1100; T8S, R5W, Sec. 4AA, Tax Lot 1300	**S**
WD-2018-0292	T7S, R5W, Sec. 29, Tax Lots 504 and 505	**NW**
WD-2018-0399	T7S, R5W, Sec. 29CA, Tax Lot 400; Sec. 29CD, Tax Lot 1400	**NW**
WD-2018-0553	T7S, R5W, Sec. 34BB, Tax Lot 700	**SE**
WD-2019-0027	T7S, R5W, Sec. 34C, Tax Lot 2500; Sec. 34CC, Tax Lot 100	**S**
WD-2019-0204	T7S, R5W, Sec. 33D, Tax Lot 1121 (portion of); T8S, R5S, Sec. 4AA, Tax Lot 1305 (portion of)	**S**
WD-2004-0340; 33926-RF	T7S, R5W, Sec. 34, Tax Lots 800, 900, 1500, 2303, and 2500	**SE**
WD-2015-0406; 60576-RF	T7S, R5W, Sec. 28 AC, Tax Lot 2500	**NE**
WD-2015-0175; 61364-RF	T7S, R5W, Sec. 30D, Tax Lot 1002; Sec. 31A, Tax Lot 602	**NW**

The minimum size for wetland mapping was 0.5 acres. Smaller wetlands in DSL-approved wetland delineation reports were also included on the LWI maps because DSL has already made jurisdictional determinations for these sites. However, there still may be small unmapped wetlands within the study area. Areas along streams, ponds or other waterways and areas with mapped hydric soils are the most likely areas to contain small unmapped wetlands.

Channels identified as “streams” on the LWI maps appear to meet the DSL definition for natural waterways (which includes channelized, rerouted, dammed or otherwise altered streams) and should be considered subject to state and federal permit requirements pending site-specific

jurisdictional determination by the regulatory agencies. Ponds, ditches and other waters that have been created in areas of mapped hydric soils or have been created on stream channels generally are regulated by DSL as well. Other ponds and ditches may be regulated by DSL and/or USACE, depending on site-specific conditions. Prior to site development or alteration activities such as clearing, grading, excavation, ditching, channel modifications, fill material placement or other potentially regulated activities the jurisdictional boundaries of all wetlands and other waters should be located and marked in the field. DSL and USACE can be contacted for assistance in making jurisdictional determinations and locating wetland and waterway boundaries for regulatory purposes. On-site wetland delineation by qualified professionals may be required to meet state and federal regulatory requirements. In all cases on-site conditions determine wetland jurisdictional locations for regulatory purposes.

3.4 ON-SITE WETLAND DETERMINATION PROCEDURES

Verification of potential wetlands on-site was conducted using the Corps of Engineers Wetland Delineation Manual (Environmental Laboratory 1987), regional supplement, and applicable federal and state guidance documents. Datasheets were completed for each sample plot taken which included vegetation, soils, and hydrology data. Field observations were noted for each sample plot area and ground photographs were also taken. A small number of sites were visited with landowners and landowner information was utilized to refine the wetland mapping and descriptions. Once sample plots were analyzed and wetland areas were categorized, wetland summary sheets were prepared. These summary sheets contain observations of vegetation, soils, hydrology of the complete wetland area landscape and wetland boundaries were hand-drawn on maps. Field verification was conducted on 4/3/19, 4/4/19, 4/30/19, 5/1/19, 5/3/19, 6/3/19, 6/4/19, 6/10/19, and 6/13/19.

Climate data was derived from the National Weather Service in Salem and compared to the WETS tables from the Natural Resources Conservation Service from the same area.

Table 5. Monthly precipitation data from the WETS data and current NWS data for three months prior to each field date.

Month	Average	WETS Rainfall Percentile (in)		Measured Rainfall	Departure from Normal	% of Normal Precip
		30th	70th			
Field Dates 4/3/19 and 4/4/19						
Jan 2019	5.96	3.57	6.94	2.93	-3.03	**49%**
Feb 2019	4.56	2.90	5.65	7.09	+2.53	**155%**
Mar 2019	3.99	3.06	5.09	1.67	-2.32	**42%**
Field Dates 4/30/19, 5/1/19, and 5/3/19						
Feb 2019	4.56	2.90	5.65	7.09	+2.53	**155%**
Mar 2019	3.99	3.06	5.09	1.67	-2.32	**42%**
Apr 2019	2.81	2.04	3.42	5.14	+2.33	**183%**

Field Dates 6/3/19, 6/4/19, 6/10/19 and 6/13/19						
Mar 2019	3.99	3.06	5.09	1.67	-2.32	**42%**
Apr 2019	2.81	2.04	3.42	5.14	+2.33	**183%**
May 2019	2.22	1.25	2.53	1.72	-0.50	**77%**

3.5 ALL MAPPING AND MAP TRANSFER PROCEDURES USED

Wetlands maps were created digitally using ArcMap 10.6.1.9270 mapping software. Wetlands with DSL-approved wetland delineations were transferred from maps in the delineation reports using a digitizing tablet. Delineation maps were of varying scales from 1:1,200 to 1:9,600. Tax lot boundaries were used as a georeference in most cases to locate and orient the digitized wetlands. In a few cases tax lot boundaries were not on the delineation maps; roads or other features were used as references for those sites. All other verified wetlands were digitized on-screen from the 2016 aerial photographs using the paper field maps as a reference. Topographic contours, soils, hydrological features and NWI wetlands were displayed on-screen during digitizing as additional reference information. Each discrete wetland polygon was given a code. The code format is 01-01 where the first two numbers are the assessment unit code and the number is the wetland identification number within the assessment unit.

Wetlands smaller than 0.5 acres with DSL-approved wetland delineations were digitized and mapped as described in the previous section.

Dallas water features include wetlands, ponds, streams, and ditches. Wetlands 0.5 acres and larger were mapped as wetlands using the procedures described in the preceding sections. All other waterways were mapped using the Polk County hydrological features digital data layer as a base. Streams were mapped by using aerial photographs, 0.5-meter interval topographic contour mapping, the USGS quadrangle maps, and NWI maps to identify linear features in the hydrological features data layer that appeared to be natural streams (including channelized, re-routed, dammed or otherwise altered streams). The identified linear features were transferred to the LWI maps. A small number of additional stream segments not in the hydrological features data layer were also identified and digitized based on LIDAR imagery. The 2016 aerial photographs were reviewed and observed changes to streams from the hydrological features data layer were added by editing the LWI maps. All linear features in the hydrological features data layer were transferred directly to the LWI maps and labeled “streams”.

The LWI maps include wetlands classified by Cowardin Class (see Section 6 Glossary and Appendix B), other waters (streams and ditches) constructed ponds, mitigation sites, probable wetland areas, and sample plot locations. Areas that have DSL-approved delineations are shown on the maps and labeled with DSL file numbers for reference. The LWI maps include five map sheets printable on 8.5”x11” the scale varies based on geography size: NE - 1:9,061, NW - 1:9,780, SE - 1:10,080, SW - 1:10,898, S - 1:11,278. All georeferenced data sets were developed by the City of Dallas. The datasets were projected with the Oregon State Plane Coordinate System (NAD 1983 HARN State Plane Oregon North FIPS 3601 feet Intl. Lambert Conformal Conic Projection). Metadata for the georeferenced datasets is provided in a separate excel spreadsheet.

3.6 OFWAM PROCEDURES

Wetland functions and conditions were assessed using the Oregon Freshwater Wetland Assessment Methodology (OFWAM) (Roth et al. 1996). The steps in completing the assessment are shown in Figure 2. Wetlands that are uncommon, already in a resource management plan, or protected by regulatory rules or statutes are identified as "wetlands of special interest for protection". This includes any wetlands in the study area that meet the following criteria:

- Contain or provide critical habitat for species that are rare, threatened, or endangered;
- Dedicated as a state or federal natural area or natural heritage conservation area;
- Dedicated as a Nature Conservancy Preserve;
- Of regional or national significance for migratory birds;
- Protected by local management plans under Goal 5 or 17;
- Designated a State Outstanding Resource Water;
- In a protected area in a park management plan;
- Protected mitigation site;
- Federal restoration or conservation reserve program; or
- Rare or unique in Oregon.

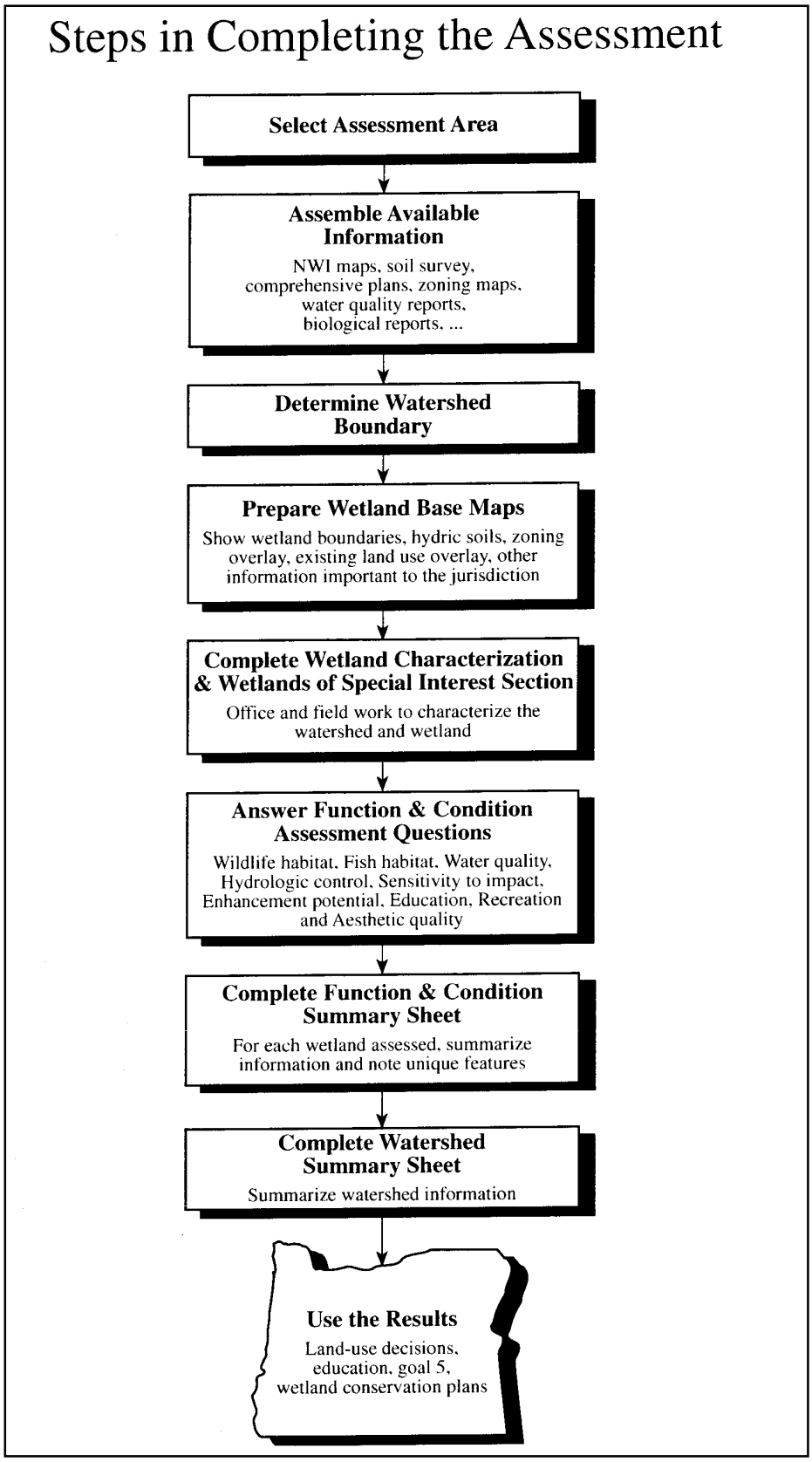
The general OFWAM assessment is based on a watershed characterization and a site-specific wetland characterization that requires field observation and measurement. The watershed characterization required collecting information on the watershed setting, drainage basins, land uses within the watershed, water quality, and biologic characteristics of the watershed. For the wetland characterization, wetlands were grouped into assessment units according to the guidance in OFWAM. Assessment units were numbered by drainage basin starting in the northwest quadrant of the City and working clockwise around the study area (unit numbers 1 to 46). The wetland characterization included information on wetland structure and relationship to the surrounding landscape, wetland habitat, fisheries habitat, wetland hydrology, public access, recreation and aesthetics. A field data form was developed and completed for each site during field verification.

Wetlands smaller than 0.5 acres in size were not assessed. The watershed and wetland characterization information were used to evaluate wetlands for nine functions and conditions listed below:

1. **Wildlife Habitat**: Evaluates the habitat diversity for species typically associated with wetland and wetland edges. No single species is emphasized.
2. **Fish Habitat**: Evaluates how the wetland contributes to fish habitat in streams, ponds or lakes associated with the wetland either warm water and coldwater fisheries. No single species or group of species is emphasized.
3. **Water Quality**: Evaluates the potential of a wetland to reduce the impacts that excess nutrients in storm water runoff will have on downstream waters.
4. **Hydrologic Control**: Evaluates the effectiveness of a wetland in storing floodwaters and reducing downstream flood peaks.

5. **Sensitivity to Impact**: Evaluates the susceptibility of a wetland to secondary effects of impacts.
6. **Enhancement Potential**: Evaluates the suitability of a degraded wetland site for enhancement.
7. **Education**: Evaluates the suitability of a wetland as a site for an "outdoor classroom".
8. **Recreation**: Evaluates the suitability of the wetland and associated watercourses for non-powering boating, fishing and similar recreational activities.
9. **Aesthetic Quality**: Evaluates the visual and aesthetic quality of the wetland.

Figure 3. OFWAM Assessment Steps



3.7 LOCALLY SIGNIFICANT WETLAND DETERMINATIONS

A locally significant wetland (LSW) is a wetland that is determined to be significant under the criteria set forth in the DSL administrative rules (OAR 141-86-300 to 141-86-350). These criteria include those wetlands that score a high rating for fish or wildlife habitat, hydrologic control, or water quality improvement functions and rely on the results of the OFWAM assessment, and other information. If a wetland does not meet any of the criteria, it is not significant and may not be included in Goal 5 wetland planning. The list of significant wetlands must be adopted into the local comprehensive plan. Those wetlands that do not meet the significance criteria may still be subject to state and/or federal jurisdiction, and DSL and Corps fill permits may still be required. The criteria are as follows:

1. It has the highest OFWAM rank for any of the four ecological functions (wildlife habitat, fish habitat, water quality, or hydrologic control).
2. It is (a) rated in the highest OFWAM category for water quality, or (b) rated in the second-highest category for water quality, AND is within 0.25 mile of a water-quality-limited stream, as listed by DEQ.
3. It contains one or more rare wetland plant communities, as defined in the rule.
4. It is inhabited by any species listed by the federal or state government as threatened or endangered in Oregon (unless consultation with an appropriate agency deems the site not important for the maintenance of the species).
5. It has a direct surface-water connection to a stream segment mapped by the ODFW as habitat for indigenous anadromous salmonids, and “intact” or “impacted or degraded” fish habitat function using OFWAM.

The final two criteria are optional, at the discretion of the local government:

1. The wetland is or contains the only representative within the UGB of a particular recognized native plant community and meets other qualifications detailed in the rule.
2. The wetland is publicly owned, scores the highest rank for educational potential, and a school or organization has a documented educational use for the wetland.

SECTION IV – RESULTS

4.1 SUMMARY OF INVENTORY RESULTS

The study area summary for the Local Wetland Inventory is detailed in the following table.

Table 6. Study Area Summary (in acres).

Total acreage in the study area	7,086
Total wetland acreage Wetlands 0.5 acres and larger Wetland smaller than 0.5 acres	186.83 179.37 7.47
Number of wetlands 0.5 acres and larger	47
Acres of DSL delineated wetlands	39.93
Acres of Locally Significant Wetlands	136.1
Number of OFWAM wetland assessment units	46
Number of significant OFWAM wetland assessment units	16

4.2 TOTAL NUMBER AND ACREAGE OF WETLANDS IDENTIFIED EXCLUDING DEEPWATER HABITAT AND ARTIFICIALLY CREATED WETLANDS

Total wetland acreage mapped was 186.83 acres. Individual wetland codes were assigned to 46 wetland assessment areas. Groups of two or more contiguous wetland areas of the same type and/or hydrologically connected were considered a single wetland and described together on one wetland summary sheet (Appendix D). The net result was 47 wetlands 0.5 acres or larger. Wetlands smaller than 0.5 acres mapped from DSL-approved wetland delineations made up 2.98 acres of the total. The wetlands are mapped on five LWI map sheets with variable scales (Appendix C).

4.3 OFWAM ASSESSMENT RESULTS

Wetlands assessment results are in Table 7. Wetland function and condition summary sheets for each assessment unit are in Appendix G. Watershed and wetland characterization results are in Appendix E. Wetlands smaller than 0.5 acres in size were not assessed.

Table 7. OFWAM Results

Unit #	Wetland Code	Size (acres)	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality
1	01-01, 01-02, 01-03, 01-04, 01-05, 01-06, 01-07, 01-08	20.31	2	2	2	2	2	1	3	2	1
2	02-01, 02-02, 02-03	8.49	2	3	2	2	2	2	3	2	3
3	03-01	1.27	2	3	2	2	2	3	3	2	2
4	04-01	0.29	2	3	2	2	2	3	2	2	2
5	05-01, 05-02, 05-03	1.76	2	1	2	3	2	2	3	2	2
6	06-01, 06-02, 06-03	1.01	2	3	2	2	2	3	3	2	2
7	07-01	0.37	2	3	2	2	2	3	3	3	3
8	08-01	0.46	2	3	2	3	2	2	3	3	3
9	09-01, 09-02	4.49	2	1	2	3	2	2	3	3	1
10	10-01	0.17	2	3	2	3	2	2	3	3	3
11	11-01	0.75	2	3	2	3	2	2	3	3	2
12	12-01	0.31	2	3	2	3	2	3	3	3	2
13	13-01, 13-02, 13-03	6.29	2	3	2	3	2	2	3	3	3
14	14-01, 14-02	1.71	3	3	2	3	2	2	3	2	2
15	15-01, 15-02, 15-03	7.08	2	3	2	3	2	2	3	2	2
16	16-01	0.09	2	3	2	3	2	3	3	2	2
17	17-01, 17-02	1.44	2	3	2	2	2	2	3	2	1
18	18-01, 18-02	1.63	2	2	2	2	2	1	1	2	2
19	19-01, 19-02	0.27	2	1	2	3	2	3	3	2	2
20	20-01, 20-02, 20-03, 20-04	1.39	2	3	2	3	2	2	3	3	3
21	21-01	0.72	2	3	2	3	2	2	3	3	3
22	22-01	0.39	2	3	2	3	2	3	3	2	3
23	23-01, 23-02	0.58	2	3	2	2	2	2	3	2	2
24	24-01	0.53	2	3	2	3	2	2	3	2	2
25	25-01, 25-02	0.53	2	3	2	2	2	2	3	3	2
26	26-01	1.13	2	3	2	3	2	2	3	2	2
27	27-01	0.82	2	2	2	3	2	2	3	3	3

28	28-01	0.5	2	3	2	3	2	2	3	3	3
29	29-01	1.66	2	3	2	3	2	2	3	3	3
30	30-01	2.04	2	3	2	3	2	2	3	3	3
31	31-01, 31-02	1.52	2	2	2	3	2	2	3	2	2
32	32-01	0.27	2	3	2	3	2	2	3	2	2
33	33-01	0.19	2	3	2	3	2	3	3	2	2
34	34-01, 34-02	2.24	2	2	2	3	2	2	3	2	1
35	35-01	0.06	2	3	3	3	2	2	3	2	2
36	36-01	0.07	2	3	3	3	2	2	3	2	2
37	37-01	0.2	2	3	3	3	2	2	3	2	2
38	38-01	0.17	2	3	3	3	2	2	3	2	2
39	39-01, 39-02	2.4	2	3	2	2	2	2	3	2	1
40	40-01	0.9	2	2	2	2	2	1	3	2	3
41	41-01	0.1	2	3	2	1	2	3	3	3	3
42	42-01	0.9	2	2	2	2	2	1	3	3	2
43	43-01, 43-02, 43-03, 43-04, 43-05	75.19	2	2	2	2	2	1	3	3	1
44	44-01, 44-02, 44-03	2.48	2	2	2	2	2	1	2	2	1
45	45-01	0.88	2	3	2	3	2	3	3	2	2
46	46-01	30.8	2	1	2	3	2	2	3	2	2

Table 8. Key to OFWAM Results

Wetland Function / Condition	Assessment Result Description
Wildlife Habitat	1. Provides diverse habitat for wildlife 2. Provides habitat for some wildlife species 3. Lost or not present
Fish Habitat Water Quality Hydrologic Control	1. Intact 2. Impacted or degraded 3. Lost or not present
Sensitivity to Impact	1. Sensitive to future impacts 2. Potentially sensitive to future impacts 3. Not sensitive to future impacts
Enhancement Potential	1. High enhancement potential 2. Moderate enhancement potential 3. Little enhancement potential
Education	1. Has educational uses

	2. Potential for education uses 3. Not appropriate for educational uses
Recreation	1. Provides recreational opportunities 2. Potential to provide recreation opportunities 3. Not appropriate / does not provide recreational opportunities
Aesthetic Quality	1. Pleasing 2. Moderately pleasing 3. Not pleasing

4.4 SUMMARY OF LOCALLY SIGNIFICANT WETLANDS

Locally significant wetland (LSW) determinations were based on OAR 141-086-300 through 141-086-350 (Identifying Significant Wetlands). If the assessed wetland unit provided "diverse" wildlife habitat, "intact" fish habitat, "intact" water quality function, or "intact" hydrologic control function, then the wetland was determined to be locally significant.

Sixteen wetland assessment units met at least one of the required criteria for locally significant wetlands (Table 7). The LWI maps (Appendix J) show the locations of all wetlands that were mapped including locally significant wetlands. Locally significant wetlands checklists for each wetland are in Appendix H. Four wetland assessment units rated at the highest functional level for one of the four ecological functions evaluated by OFWAM: wildlife habitat, fish habitat, water quality or hydrologic control. Wetland assessment units located within ¼ mile of a DEQ-designated *water quality limited* streams include 5, 15, 17, 18, 19, 25, and 45. None of the wetlands had rare plant communities or listed species. Assessment Units 1, 5, 9, 18, 19, 27, 31, 40, 42, 43, 44, and 46 have a direct surface water connection to the North Fork of Ash Creek or Rickreall Creek, which have a *direct connection to salmon habitat*. No wetlands contained a rare plant community or a locally unique plant community. There were no assessment units that met the optional criteria for educational use.

Table 9. Locally Significant Wetland Results

Unit #	Wetland Code	Size (acres)	Exempt	OFWAM key functions	1/4 mile of WQL stream	Rare plant community	Listed species	Direct connection to salmon habitat	Local unique native plant community	Public with educational use	Locally Significant
1	01-01, 01-02, 01-03, 01-04, 01-05, 01-06, 01-07, 01-08	20.31						X			Yes
2	02-01, 02-02, 02-03	8.49									No
3	03-01	1.27									No
4	04-01	0.29	X								No
5	05-01, 05-02, 05-03	1.76		X	X			X			Yes
6	06-01, 06-02, 06-03	1.01									No
7	07-01	0.37									No
8	08-01	0.46									No
9	09-01, 09-02	4.49		X				X			Yes
10	10-01	0.17									No
11	11-01	0.75									No
12	12-01	0.31									No
13	13-01, 13-02, 13-03	6.29									No
14	14-01, 14-02	1.71									No
15	15-01, 15-02, 15-03	7.08			X						Yes
16	16-01	0.09									No
17	17-01, 17-02	1.44			X						Yes
18	18-01, 18-02	1.63			X			X			Yes
19	19-01, 19-02	0.27		X	X			X			Yes
20	20-01, 20-02, 20-03, 20-04	1.39									No
21	21-01	0.72									No
22	22-01	0.39									No
23	23-01, 23-02	0.58									No
24	24-01	0.53									No
25	25-01, 25-02	0.53			X						Yes
26	26-01	1.13									No
27	27-01	0.82						X			Yes
28	28-01	0.5									No
29	29-01	1.66									No
30	30-01	2.04									No
31	31-01, 31-02	1.52						X			Yes
32	32-01	0.27									No

33	33-01	0.19									No
34	34-01, 34-02	2.24									No
35	35-01	0.06									No
36	36-01	0.07									No
37	37-01	0.2									No
38	38-01	0.17									No
39	39-01, 39-02	2.4									No
40	40-01	0.9						X			Yes
41	41-01	0.1									No
42	42-01	0.9						X			Yes
43	43-01, 43-02, 43-03, 43-04, 43-05	75.19						X			Yes
44	44-01, 44-02, 44-03	2.48						X			Yes
45	45-01	0.88			X						Yes
46	46-01	30.8		X				X			Yes

4.5 WETLAND OF SPECIAL INTEREST FOR PROTECTION

Wetlands that are uncommon, already in a resource management plan, or protected by regulatory rules or statutes were identified as "wetlands of special interest for protection" as part of the Oregon Freshwater Wetlands Assessment Methodology. The methodology includes ten questions used to determine if any wetlands in the study area meet the following criteria:

- Contain or provide critical habitat for species that are rare, threatened, or endangered;
- Dedicated as a state or federal natural area or natural heritage conservation area;
- Dedicated as a Nature Conservancy Preserve;
- Of regional or national significance for migratory birds;
- Protected by local management plans under Goal 5 or 17;
- Designated a State Outstanding Resource Water;
- In a protected area in a park management plan;
- Protected mitigation site;
- Federal restoration or conservation reserve program; or
- Rare or unique in Oregon.

A variety of federal, state, local and non-profit agencies, reference materials and internet sites were the sources of information to complete this section. The detailed responses to the questions follow.

1. *Does the wetland contain threatened, endangered or sensitive species of wildlife, plants, invertebrates or fish? (Either federal- or state-listed. Include species.)*

A survey was not done for each wetland but it is highly likely that the following wetland assessment units (1, 18, and 19) that have a surface water connection to Rickreall Creek likely contain habitat for Winter Steelhead and Spring Chinook and are listed as threatened under the Federal Endangered Species Act. The online ORWAP (Oregon Wetland Assessment Protocol) Explorer was utilized to screen for additional threatened and endangered species.

2. *Is the wetland designated as critical habitat or essential habitat for federal- or state listed threatened, endangered or sensitive species of wildlife, plants, invertebrates or fish? If yes, list species.*

Winter Steelhead and Spring Chinook are present within Rickreall Creek and are listed as threatened under the Federal Endangered Species Act. Wetlands hydrologically connected to designated salmon habitat as part of this inventory were 1, 18, and 19.

3. *Is the wetland a dedicated or proposed Registered State Natural Area or Area of Critical Environmental Concern, State Natural Heritage Conservation Area, Federal Research Natural Area, or Nature Conservancy Preserve?*

No wetlands in the study area are dedicated or proposed as Registered State Natural Areas, Areas of Critical Environmental Concern, State Natural Heritage Conservation Area, Federal Research Natural Area, or Nature Conservancy Preserve.

4. *Is the wetland of regional or national significance for migratory birds?*

No wetlands in the study area are documented as being of regional or national significance for migratory birds.

5. *Is the wetland protected in a local wetland conservation plan or a local comprehensive plan as a Goal 5 or Goal 17 resource?*

There are no wetlands currently protected in a local wetland conservation plan or a local comprehensive plan as a Goal 5 or Goal 17 resource.

6. *Is the wetland a designated State Outstanding Resource Water?*

There are no waters designated as State Outstanding Resource Waters in the state of Oregon according to DEQ.

7. *Is the wetland protected in a federal, state, or local management plan (e.g. for a park, refuge, or scenic river)?*

There are no wetlands protected in a federal, state or local management plan within the study area.

8. *Is the wetland a protected mitigation site for a State Removal-Fill permit, federal 404, fill permit, or enforcement action? Protected means there is a legal instrument, such as a conservation easement, that will preclude a wetland impact permit from being issued for this site.*

Inquiries were made to the Portland District Army Corps of Engineers (COE) Regulatory Branch and the Department of State Lands (DSL) regulatory program in Salem. There is one identified mitigation area identified as 17-02* (DSL #33926).

9. *Is the wetland a restoration or protected area included in the wetland reserve program administered by the Natural Resources Conservation Service? The length of protection may vary depending on landowner agreements.*

There are no wetlands currently enrolled in the wetland reserve program within the study area. (Personal communication with landowners).

10. *Is the wetland considered rare or unique in Oregon? Examples include bogs, vernal pools and old growth forested wetlands.*

There are no rare or unique wetland types identified within the study area.

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APPENDIX A:

Glossary

GLOSSARY

This glossary is a combination of glossaries from the Oregon Freshwater Wetland Assessment Methodology document and the Oregon Wetland Planning Guidebook and DSL Oregon Administrative Rules 141-085, 141-086, and 141-090.

Anadromous: Species of fish that hatch in fresh water, migrate to saltwater where they spend most of their adult lives, and return to fresh water to lay eggs.
Anaerobic: Biogeochemical processes that occur without oxygen.
Aquatic bed: A wetland class dominated by plants that are completely submerged or float on the water's surface.
Areal cover: A measure of dominance defining the degree to which the portions of plants above the ground cover the ground surface.
Artificially created: The creation of a wetland or other water entirely from an upland (non-wetland) area as a result of human activity.
Bank-full Stage: Stage or elevation at which water overflows the natural banks of streams or other waters of this state and begins to inundate the upland. In the absence of physical evidence, the two-year recurrence interval flood elevation may be used to approximate the bank-full stage.
Bed or banks: the physical container of the waters of this state lying below bank-full stage.
Buffer: An area maintained with natural vegetation between a pollutant source and a water body that provides habitat corridor functions, natural filtration, and other forms of water quality protection.
Buffer Zone: A designated transitional area around a stream, lake, or wetland left in a natural state, usually with vegetation. Buffer zones function as habitat corridors and help protect the water body from runoff pollution. Development is often restricted or prohibited in a buffer zone.
Channel: An open conduit either naturally or artificially created which periodically or continuously contains moving water.
Channelize: To straighten the bed or banks of a stream or river or to line them with concrete or other materials.
Compensatory mitigation site: Replaced or substituted wetlands or water resources which are created, enhanced or restored.
Comprehensive Plan: A local document that guides a community's land use, conservation of natural resources, economic development, and public services. Plans contain data and information called the inventory, and the policy element. The policy element sets forth the community's long-range objectives and the policies by which they will be achieved. The plan in adopted by ordinance and has the force of law.
Condition: The integrity of a wetland's physical and biological structure. This determines the wetland's ability to perform specific functions, as well as its resilience and enhancement opportunities.
Conflicting Use: A land use or other activity reasonably and customarily subject to land use regulations that could adversely affect a significant Goal 5 resource.
Conserve: To manage in a manner that avoids wasteful or destructive uses and provides for future availability.
Cowardin class: The wetland classification according to the U.S. Fish and Wildlife Service's Classification of Wetlands and Deepwater Habitats of the United States, Cowardin et al., 1979.

DEQ: Department of Environmental Quality
Deep-water habitat: Aquatic habitat, such as portions of lakes, rivers, estuaries, and marine water, where surface water is permanent and deeper than 6.6 feet most of the year.
Degraded: Lowered in quality from adverse impacts such as vegetation removal, invasion of nonnative species and or/draining.
Detention: Temporary storage of water.
Dominant: Plant species with the largest proportion of areal coverage.
DSL: Department of State Lands. State agency that administers Oregon's state-owned lands and regulates removal and fill in waterways and wetlands.
EPA: U.S. Environmental Protection Agency
Ecology: The study or interactions between living things and their environment.
Ecosystem: An organic community of plants and animals, viewed within its physical environment (habitat). The ecosystem results from the interaction between soil, climate, vegetation, and animal life.
Edge: The border between two vegetation types or between a vegetation type and open water. Edge contributes to diversity of wildlife in an ecosystem because some species ("edge dwellers") depend on such areas.
Emergents: Erect, rooted herbaceous plants that can tolerate flooded soil conditions, but cannot tolerate being submerged for extended periods; e.g. cattails, reeds and pickerel weeds.
Emergent wetland: A wetland class dominated by emergent plants. Emergent wetlands include marshes and wet meadows.
Enhancement: The alteration or active management of a wetland for improvements of particular functions (OAR 141-085).
ESA: Endangered Species Act — A 1973 law passed by Congress with the stated purpose of conserving both the ecosystems upon which endangered and threatened species depend, and the endangered and threatened species themselves.
FEMA: Federal Emergency Management Agency. The federal agency that manages emergency response and hazard mitigation planning. Administers the National Flood Insurance Program (NFIP); and creates or reviews maps that define the location and elevation of the 1-percent chance flood (100 year floodplain).
Field-Verify or Field Verification: To walk over and/or visually check an area to make a wetland determination and map wetlands. This may or may not include collecting sample plot data (OAR 141-086).
Floodplain: Either a natural feature or a statistically-derived area adjacent to a stream or river where water from the stream or river overflows its banks at some frequency during extreme storms.1 Also, the area adjoining a stream, tidal estuary, or coast that is subject to regional flooding (FEMA).
Floodway: The normal stream channel and that adjoining area of the natural floodplain needed to convey the waters of a regional flood while causing less than one foot increase in upstream flood elevations.
Forested wetland: A wetland class in which the soil is saturated and often inundated, and woody plants taller than 20 feet form the dominant cover, e.g. Oregon ash, alders, and cottonwoods. Water-tolerant shrubs often form a second layer beneath the forest canopy, with a layer of herbaceous plants growing beneath the shrubs.
Function: A characteristic action or behavior associated with a wetland that contributes to a larger ecological condition such as wildlife habitat, water quality and/or flood control.

Geographical Reference: Linking geographic data to known coordinates on the surface of the earth.
GIS or Geographical Information System: A system of hardware, software and data storage that allows for the analysis and display of information that has been geographically referenced.
Goal 5 Resources: Goal 5 requires that the following resources be inventoried: Riparian Corridors, including water and riparian areas and fish habitat; Wetlands; Wildlife Habitat; Federal Wild and Scenic Rivers; State Scenic Waterways; Groundwater Resources; Approved Oregon Recreation Trails; Natural Areas; Wilderness Areas; Mineral and Aggregate Resources; Energy Sources; and Cultural Areas. The Goal encourages inventories of the following resources: Historic Resources, Open Space, Scenic Views and Sites.
Groundwater: Water found at and beneath the water table in the zones of saturate soil and bedrock.
Groundwater discharge: Groundwater that emerges at the land surface in the form of springs or seepage areas. Groundwater can also discharge into rivers (via bank seepage) and sustain flow during the drier months.
Habitat: The environment in which the requirements of a specific plant or animal are met.
Headwaters: Tributary stream located in upper portions of a watershed.
Herbaceous vegetation: A plant, whether annual, biennial, or perennial, with non-woody stems that die back to the ground at the end of the growing season.
Herptile: A cold-blooded vertebrate; includes reptiles and amphibians.
HGM class or subclass: the hydrogeomorphic classification of the wetland based upon its landscape position and hydrology characteristics, according to the HGM key developed by DSL.
Hydric soil: A soil that formed under conditions of saturation, flooding or ponding long enough during the growing season to develop anaerobic conditions in the upper part. The concept of hydric soils includes soils developed under sufficiently wet conditions to support the growth and regeneration of hydrophytic vegetation. Soils that are sufficiently wet because of artificial measures are included in the concept of hydric soils.
Hydrologic: Relating to the occurrence and properties of water. Hydrologic hazards include flooding (the rise of water) as well as hydraulic hazards associated with the movement of water such as bank erosion.
Hydrology: The science addressing the properties, distribution, and circulation of water across the landscape, through the ground, and in the atmosphere.
Impact area: A geographic area within which conflicting uses could adversely affect a significant Goal 5 resource.
Impervious surface: A surface that cannot be penetrated by water, such as pavement, rock, or a rooftop, and thereby prevents infiltration and generates runoff.
Intermittent stream: A waterway that flows for part of the year.
Indicator: Soil, vegetation, and hydrology characteristics or other field evidence that indicate that wetlands are present.
Inventory: A survey, map, or description of one or more resource sites that is prepared by a local government, state or federal agency, private citizen, or other organization and that includes information about the resource values and features associated with such sites. As a verb, “inventory” means to collect, prepare, compile, or refine information about one or more resource sites.2 For certain resources, specific inventory standards apply.
Large woody debris: Dead material from trees and shrubs that is large enough to persist more than one season.

LWI: Local Wetland Inventory. A systematic survey of an area to identify, classify and map the approximate boundaries of wetlands, and includes the supporting documentation required DSL administrative rules.
Main stem: The largest continuous channel of a river system that tributaries flow into.
Marsh: An emergent wetland that is flooded either seasonally or permanently. Marshes support the growth of emergent plants such as cattails, bulrushes, reeds, and sedges; floating-leaved plant such as pondweeds and submergents.
M**itigation, compensatory**: The creation, restoration, or enhancement of a resource area to compensate for resource functions impacted by development.
Natural waterways: Waterways created naturally by geological and hydrological processes, waterways that would be natural but for human-caused disturbances (e.g., channelized or culverted streams, impounded waters, partially drained wetlands or ponds created in wetlands) and that otherwise meet the definition of waters of the state, and certain artificially created waterways as defined in OAR 141-85-0010 (29).
Nonpoint source: Pollution sources that are diffuse and do not have a single point of origin or are not introduced into a receiving stream from a specific outlet.
NWI: National Wetland Inventory, database designed and established by the United States Fish and Wildlife Service (USFWS) that maps and classifies wetlands in the U.S. based on interpretation of aerial photographs.
Offsite Determination: A wetland determination conducted without field verification using NWI maps, soils maps, and aerial photographs.
Open water: A wetland class consisting of areas of water with little or no wetland vegetation. Submerged or floating-leaved plants may inhabit the shallower portions along the edges of the body of water.
OAR: Oregon Administrative Rules. A body of law that describes how legislation and other laws will be implemented.
ODFW: Oregon Department of Fish and Wildlife.
Offsite Determination: A wetland determination conducted without field verification using remote sensing sources such as NWI maps, soils maps, or aerial photographs.
OFWAM: Oregon Freshwater Wetland Assessment Methodology is an assessment method that qualitatively assesses wetland functions and conditions. OFWAM is intended for planning and educational uses and not detailed impact analysis on individual wetlands.
Other Waters: Waters of the state other than wetlands, such as streams and non-vegetated ponds.
Palustrine: Palustrine wetlands included all freshwater wetlands dominated by trees, shrubs, emergents, mosses or lichens. They also include wetlands lacking such vegetation but with all of the following characteristics: areas less than 20 acres, lacking active wave-formed or bedrock shorelines, maximum water depth less than 6.6 feet, and salinity less that 0.5 percent.
Perennial stream: A waterway that has water flow throughout the year.
Planning Area: The air, land, and water resources within the jurisdiction of a governmental agency.
Potential wetland: An area identified from off-site sources that has one or more wetland characteristics. Potential wetlands are candidates for field-verification.
Preliminary Jurisdictional Determination (PJD): An advisory determination issued orally or in writing stating that wetlands or other waters of the state are present or not present on a parcel of land. Because a PJD is advisory in nature it has no specified duration or expiration and is not

subject to appeal. PJD's include all wetland determinations by any person other than the Division, and also include wetlands mapped on the NWI or on a LWI.

Preserve: To save from change or loss and reserve for a special purpose.

Probable wetland: An area noted during the course of LWI development that appears to meet wetland criteria but is too small (<0.5 acres) to require detailed mapping or assessment in the LWI. Probable wetlands are mapped as points labeled "PW" on the LWI maps (OAR 141-086-0200).

Protect: When applied to an individual resource site, protect means to limit or prohibit uses that conflict with a significant resource. When applied to a resource category, protect means to develop a program consistent with this division.

Riparian area: The area immediately adjacent to surface water such as rivers, streams, ponds, lakes, wetlands, and springs consisting of transition areas between an aquatic ecosystem to terrestrial ecosystem.

Riparian Corridor: A Goal 5 resource that includes the water areas, fish habitat, adjacent riparian areas, and wetlands within the riparian area boundary.

Riverine wetland: Wetland and deepwater habitats contained within the channel except: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and (2) habitat with water containing ocean derived salts in excess of 0.5 %. Water is usually flowing.

Runoff: That part of precipitation, snow melt, or irrigation that flows across the land surface and into streams or other waterways. It can carry pollutants from the air and land into the receiving waters.

Sample plot: A specific area on the ground where soils, vegetation and hydrology data are recorded on a field data form in order to make a wetland determination.

Scrub-shrub wetland: A wetland class dominated by shrubs and woody plants less than 20 feet tall, e.g. red-osier dogwoods, Douglas hawthorns, serviceberry, Pacific ninebark, etc. Water levels in shrub swamps can range from permanent to intermittent flooding.

Significant Habitat Areas: A land or water area where sustaining the natural resource characteristics is important or essential to the production and maintenance of aquatic life or wildlife populations.

Significant Wetland: An inventoried wetland that meets the criteria in OAR 141-86-300.

Spring: A flow of water above ground level that occurs where the water table (groundwater) intercepts the ground surface. Springs and lines of springs are often found at breaks in slope, at contacts between different types of rocks or soils, and along faults. Springs may be associated with wetland and/or riparian areas and increased hazard of unstable slopes.

Statewide Planning Goal 5: Oregon's statewide planning goal that addresses open space, scenic and historic areas, and natural resources. The purpose of the goal is to conserve open space and protect natural and scenic resources.

Stream: A watercourse created by natural processes, or one that would be in a natural state if it were not for human-caused alterations.

Stormwater: Water derived from a storm or conveyed through a storm sewer system.

Surface water: All water naturally open to the atmosphere (rivers, lakes, reservoirs, streams, impoundments, seas, estuaries) and all springs, wells, or other collectors that are directly influenced by surface water.

Submergent: Plants that grow and reproduce while completely submerged in water.

Swamp: A wetland in which the soil is saturated and often inundated and that is dominated by a woody cover.

Take: A term in the Endangered Species Act that means to "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct" for an endangered or threatened species.
Terrace: A nearly flat portion of the landscape terminated by a steep edge. Formed by a variety of processes including the action of rivers, glaciers, and soil movement.
Threatened and Endangered Species: Those species that have undergone the petition and review process and have been deemed necessary for listing under the ESA.
Top of Bank: Topographical break at the top of the streambank; point at which floodwater leaves the channel. For state regulatory jurisdiction, this is equivalent to the typical 2-year high flow elevation.
UGB: Urban Growth Boundary. A line drawn around a geographic area which separates urban use lands from resource, or rural, use lands; and shows where the city intends to grow.
Water table: The level of groundwater. The upper surface of the zone where all open spaces in the earth materials are filled with water.
Waters of the state: Natural waterways including all tidal and non-tidal bays, intermittent streams, constantly flowing streams, lakes, wetlands and other bodies of water in this state, navigable and non-navigable, including that portion of the Pacific Ocean which is in the boundaries of this state.
Watershed: The area from which a surface water course receives its water. An area of land that contributes runoff to one specific delivery point. Large watersheds can be composed of several smaller "subwatersheds", each of which contributes runoff to different locations that ultimately combine at a delivery point.
Wet meadow: Emergent wetlands that are generally seasonally flooded and have saturated soils for much of the growing season. Wet meadows are dominated by grasses, sedges and rushes and are often cultivated or pastured.
Wetland: Those areas that are inundated or saturated by surface or ground water at a frequency or duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.
Wetland boundary: A line marked on a map that identifies the approximate wetland/non-wetland boundary.
Wetland delineation: A determination of wetland presence that includes marking the wetland boundaries on the ground and/or on a detailed map prepared by professional land survey or similar accurate methods.
Wetland delineation report: A written document that contains the methods, data, conclusions and maps used to determine if wetlands and/or other waters of the state are present on a land parcel and, if so, describes and maps their location and geographic extent.
Wetland determination: Identifying an area as wetland or non-wetland.
Wetland/upland mosaic: A complex of several wetlands smaller than one-half (0.50) acres in size each that are interspersed between areas of non-wetland.
Woody vegetation: A plant with woody stems that persist throughout the growing season.

APPENDIX B:

LWI Administrative Rules, Standards, and Guidelines

LOCAL WETLANDS INVENTORY (LWI) ADMINISTRATIVE RULES, STANDARDS AND GUIDELINES

141-086-0180

Purpose

Pursuant to ORS 196.674 pertaining to the Statewide Wetlands Inventory (SWI), these rules establish a system for uniform wetland identification and comprehensive mapping. These rules also establish wetlands inventory standards for cities or counties developing a wetland conservation plan (WCP) pursuant to ORS 196.678. A Local Wetlands Inventory (LWI) is developed for all or a portion of a city or county according to the standards and guidelines contained in these rules (OAR 141-086-0180 through 141-086-0240).

Stat. Auth.: ORS 196.674 – 196.681 & 196.692
Stats. Implemented: ORS 196.668 – 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; DSL 2-2001, f. & cert. ef. 2-26-01

141-086-0185

Applicability

(1) Once approved by the Department of State Lands (Department), the LWI must be used in place of the National Wetlands Inventory (NWI) and is incorporated into the SWI.

(2) The approved LWI must be used by cities and counties in lieu of the NWI for notifying the Department of land use applications affecting mapped wetlands and other waters (ORS 215.418 and 227.350).

(3) An LWI fulfills the wetlands inventory requirements for Goal 5 and Goal 17 (OAR 660-015 and 660-023). An LWI that meets the additional WCP requirements specified in these rules must be used as the wetlands inventory basis for a WCP.

(4) A wetland function and condition assessment of mapped wetlands must be conducted as part of the LWI using the *Oregon Freshwater Wetland Assessment Methodology* (*OFWAM*) published by the Department in 1996. An equivalent functional assessment methodology may be used or adjustments may be made to OFWAM upon written approval by the Director. The assessment results are used to determine the relative quality (functions, values, and condition) of the mapped wetlands and to designate significant wetlands (OAR 141-086-0300 through 141-086-0350) as required for Goal 5, or to assess wetland functions and values for a WCP.

(5) An LWI is used by the Department, other agencies and the public to help determine if wetlands or other waters are present on particular land parcels.

(6) An LWI provides information for planning purposes on the location of potentially regulated wetlands and other waters such as lakes and streams, but is not of sufficient detail for permitting purposes under the state Removal-Fill Law (ORS 196.800 through 196.990). Smaller wetlands may not be mapped, and wetlands may be missed due to lack of onsite access, tree canopy cover and other constraints. A wetland delineation or determination report may be needed for parcels without LWI-mapped wetlands. A department-approved wetland delineation report for wetlands identified in an LWI is usually needed prior to site development.

(7) All wetlands inventory procedures and products are subject to review and approval by the Department before the products:

(a) Are incorporated into the SWI;

(b) Can be used in lieu of the NWI for Wetland Land Use Notification purposes; or

(c) Can be used by a city or county for Goal 5, Goal 17 or WCP purposes.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94, Renumbered from 141-086-0190(1) & (4); DSL 2-2001, f. & cert. ef. 2-26-01; DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0200

Definitions

(1) "Cowardin class or subclass" means the wetland classification according to the U.S. Fish and Wildlife Service's *Classification of Wetlands and Deepwater Habitats of the United States*, Cowardin et al., 1979.

(2) "Director" means the Director of the Oregon Department of State Lands or designee.

(3) "Department" means the Oregon Department of State Lands.

(4) "Georeferenced" means linking geographic data to known coordinates on the surface of the earth.

(5) "GIS" or "Geographic Information System" means a system of hardware, software and data storage that allows for the analysis and display of information that has been geographically referenced.

(6) "HGM class and subclass" means the hydrogeomorphic classification of the wetland based upon its landscape position and hydrology characteristics, according to the HGM classification developed by the Department.

(7) "Indicator" means the soil, vegetation, and hydrology characteristics or other field evidence that indicate that wetlands are present.

(8) "Inventory" means a systematic survey of an area to identify, classify and map the approximate boundaries of wetlands, and includes the supporting documentation required by these rules.

(9) "Mapping" means representing the identified wetlands and their approximate boundaries on a map.

(10) "Offsite Determination" means a wetland determination conducted without field verification using NWI maps, soils maps, and aerial photographs.

(11) "Other Waters" means waters of the state other than wetlands, such as streams and non-vegetated ponds.

(12) "Probable Wetland" or “PW” means an area noted during the course of LWI development that appears to meet wetland criteria but is less than one half of an acre in size or is small and of undetermined size, and is mapped as a point rather than a polygon on the LWI maps.

(13) "Sample Plot" means a specific area on the ground where soils, vegetation and hydrology data are recorded on a field data form per OAR 141-90-0035(14) in order to make a wetland determination.

(14) "Statewide Wetlands Inventory" or "SWI" means an inventory that contains at minimum the location, type (e.g. classification) and approximate extent of wetlands in the State of Oregon. This inventory is continually revised as additional information is received or obtained by the Department.

(15) "Stream" means a watercourse created by natural processes, or one that would be in a natural state if it were not for human-caused alterations. Stream includes a channelized or relocated stream.

(16) “Visually confirm” or “visual confirmation” means to walk over and/or visually check an area to make a wetland determination and map wetlands and other waters.

(17) "Wetlands" means those areas that are inundated or saturated by surface or ground water at a frequency or duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions (ORS 196.800(16)).

(18) "Wetland Delineation Report" means a written document that contains the methods, data, conclusions and maps used to determine if wetlands and/or other waters of the state are present on a land parcel and, if so, describes and maps their location and geographic extent. A wetland determination report documenting wetland presence or absence is included within this definition (OAR 141-090 et seq.).

(19) "Wetland Determination" means a decision that a site may, does, is unlikely to, or does not contain wetlands. A determination does not include the precise location or boundaries of any wetlands determined to be present (OAR 141-090 et seq).

(20) "Wetland Mosaic" means a complex of several wetlands that are interspersed between areas of non-wetland each less than one half of an acre in size, or less than one tenth of an acre in size for a WCP, making them difficult to map.

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; DSL 2-2001, f. & cert. ef. 2-26-01; DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0210

Inventory Development Process and Standards

(1) Wetland determinations conducted for the purpose of developing the LWI must be conducted according to the criteria, methodologies and guidance currently accepted by the Department (OAR 141-090 et seq.).

(2) Sources of inventory information must include:

(a) U.S.D.A. Natural Resources Conservation Service county soil survey and county list of hydric soils and soils with hydric inclusions, or other available soil surveys;

(b) NWI maps;

(c) USGS topographic maps;

(d) Federal Emergency Management Act floodplain maps, where available;

(e) Other available local wetlands inventories or wildlife habitat inventories that include wetlands;

(f) Department wetland determination/delineation files; and

(g) High resolution (1 meter or finer) color and color infrared (where available) aerial photos taken within five years of inventory initiation. The minimum photo scale must be 1 inch = 200 feet unless another scale is approved by the Department.

(3) Sources of inventory information may include but are not limited to:

(a) LIDAR (Light Detection and Ranging) topographic data;

(b) Irrigation drainage district maps;

(c) Local knowledge of area (e.g., residents);

(d) Oregon State University Institute for Natural Resources Oregon Explorer data;

(e) Department permit files; and

(f) Resource agencies, including the Oregon Department of Fish and Wildlife and U.S. Fish and Wildlife Service.

(4) Before beginning fieldwork, prepare a field map using an aerial photograph and include the approximate location of:

(a) Any wetlands, deepwater habitats, and streams from the NWI;

(b) Any wetlands from the Department's wetland determination/delineation files or from other inventories;

(c) Hydric soils and soils with hydric inclusions (each coded separately);

(d) Wetlands or potential wetlands identified on aerial photos;

(e) Sites to visually confirm based on other leads; and

(f) Properties where access was granted.

(5) Aerial photo interpretation must be tested early in the inventory process by interpreting several wetland types, ground truthing the interpretations, and then completing the aerial photo interpretations.

(6) The local government must be responsible for requesting property access permission from landowners in the study area for parcels identified by inventory staff and/or the Department as possibly containing wetlands.

(7) All potential wetlands that are not assessed with a sample plot and other waters identified through the process described in OAR 141-086-0210(1) through (4) must be visually confirmed to the extent practicable.

(8) Where property access is granted, sample plot data must be provided according to the following minimum standards:

(a) Verify each wetland with at least one sample plot that best characterizes the wetland;

(b) Verify with at least one sample plot each potential wetland where land use activities such as ditching, water diversion, or agricultural practices are likely to have significantly altered site conditions, making observations from a distance or a site walk-over unreliable; and

(c) Verify with at least one-sample plot potential wetlands with unreliable indicators (e.g., one dominant plant that grows in both wetlands and non-wetlands, such as *Phalaris arundinacea*).

(9) If the LWI will be used for a WCP, in addition to the requirements in OAR 141-086-0210(7) and (8), a minimum of one sample plot must be provided that best characterizes each dominant wetland plant community.

(10) If the landowner denies access permission and if visual confirmation from an adjacent property or road is not possible, employ off-site wetland determination methods.

(11) All wetlands greater than or equal to one half of an acre and all wetlands identified in a Department-approved wetland delineation report must be identified and mapped as polygons. Wetlands that are less then [sic] one half of an acre may be mapped as polygons or as probable wetlands. Probable wetlands must be represented as points on the appropriate parcel(s) and should be labeled as "PW" on the maps. No further characterization or assessment is required for probable wetlands in the LWI. Probable wetlands will trigger cities and counties to notify the Department of proposed land use activities affecting mapped wetlands and other waters (ORS 215.418 and 227.350). For a WCP, all wetlands one-tenth acre and larger shall be identified and mapped as polygons.

(12) The aim of the LWI is to map the location of wetlands at an accuracy of approximately 5 meters (16.4 feet). However, the actual accuracy may be less for some wetlands such as seasonal or forested wetlands that could not be visually confirmed.

(13) Each wetland must be assigned a unique identification code.

(14) All previously delineated wetlands from the Department's files must be field-verified, if possible, to determine if wetlands are still present and are approximately the same size and configuration as when delineated.

(15) All identified wetlands must be classified:

(a) To the class level of Cowardin (and to subclass for scrub-shrub and forested classes) and must include water regime and special modifiers (e.g., "farmed" or "diked/impounded); and

(b) By dominant HGM class and subclass.

(16) When a wetland contains more than one adjoining Cowardin classification, different classes or subclasses greater than 0.25 acres in size must be mapped and labeled as separate polygons.

(17) Artificially created wetlands or other waters (such as irrigation canals and drains, industrial ponds, log ponds, golf course features, and storm water detention ponds that are greater than one half of an acre in size) must be included in the inventory regardless of their jurisdictional status, and their original purpose must be labeled on the inventory maps.

(18) Where a wetland mosaic occurs, the site must be labeled as a wetland/upland mosaic on all inventory maps and so described on the wetland summary sheet.

(19) Streams and other waters must be mapped, but no further documentation such as wetland summary sheets or OFWAM assessment is required. If an existing stream geospatial dataset is used, it may be necessary to adjust the layer to align with riparian or other linear wetlands.

(20) Using OFWAM, each wetland in its entirety must be assessed for all four ecological functions: water quality, hydrologic control, wildlife habitat and fish habitat. Any wetlands that may qualify as a Locally Significant Wetland due to education or recreation use must also be evaluated for those social functions (values) in OFWAM. The remaining functions and conditions in OFWAM do not need to be applied to any of the wetland assessment units. Contiguous wetlands or those in close proximity and assigned different codes may be grouped into a single OFWAM assessment unit based upon the guidance in OFWAM and/or in consultation with the Department.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; DSL 2-2001, f. & cert. ef. 2-26-01;
DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0220

LWI Reports

(1) A report that meets the requirements in OAR 141-086-0220 (2) and (3) must be developed and submitted to the Department for approval. A minimum of two sets of the final Department-approved LWI report in both paper and electronic format (.pdf file format) must be prepared; one set must be provided to the Department for inclusion in the SWI and the other must be provided to the local government.

(2) The report must document the inventory and mapping processes and results, and include the following information:

(a) A general description of the study area including a description of the landscape setting;

(b) A description of the wetland inventory process including the public involvement process; the inventory methods including the date(s) and scale(s) of source maps and aerial photos used; the offsite and onsite wetland determination procedures including procedures used for visual confirmation and probable wetland identification; and all mapping and map transfer procedures used;

(c) A summary of the inventory results including the total acreage of the study area and the total number and acreage of wetlands identified within the study area, excluding the acreage of deepwater habitat and artificially created wetlands such as detention ponds or aggregate extraction ponds;

(d) A discussion of the OFWAM assessment process (e.g. how assessment units were defined) and the results;

(e) A summary of Locally Significant Wetlands, if identified (may be in table format); and

(f) All figures, with the study area clearly outlined.

(3) Appendices must include:

(a) Sample plot data on standard field data forms per OAR 141-090 et seq.

(b) A summary sheet for each wetland that must at a minimum include:

(A) The unique wetland code;

(B) Street address or equivalent location description;

(C) Township, Range, Section, Quarter Quarter Section and tax lot(s) that contain the mapped wetland;

(D) Approximate wetland size (in acres);

(E) Cowardin classification(s);

(F) HGM classification(s);

(G) Mapped soil unit(s);

(H) Watershed boundaries at the 6th field Hydrologic Unit Code scale as defined by the US Geological Survey or finer;

(I) Sample plot numbers, if any;

(J) Department wetland determination or delineation file numbers, where applicable;

(K) Scientific and common names of dominant plant species;

(L) Primary hydrology sources;

(M) Sampling or visual confirmation date(s) and method;

(N) Locally Significant Wetland determination, if made; and

(O) Comments that describe the wetland, including topographic position, land uses and significant alterations (including agricultural).

(c) OFWAM assessment results for each wetland assessment unit that must include:

(A) Wetlands of Special Interest for Protection (OFWAM, Chapter Five);

(B) Wetland Characterization results (OFWAM, Appendix B);

(C) Assessment results represented in table format;

(D) Answer sheets for all wetland assessment questions (OFWAM, Appendix C);

(E) Function and condition summary sheets for fish habitat, wildlife habitat, water quality, hydrologic control and, if applicable, education and recreation (OFWAM, Appendix C); and

(F) Watershed summary sheet (OFWAM, Appendix C).

(d) Technical staff members and qualifications.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; DSL 2-2001, f. & cert. ef. 2-26-01;
DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0222

Paper Map Standards

(1) Maps that meet the requirements in OAR 141-086-0222(2) through (5) must be developed and submitted to the Department for approval. A minimum of two sets of the final Department-

approved LWI maps in both paper and electronic format (.pdf file) must be prepared; one set must be provided to the Department for inclusion in the SWI and the other must be provided to the local government.

(2) If the study area is covered by more than one wetland map, a single, smaller scale reference map of the complete study area is required. The reference map shall be indexed to the individual, large-scale maps and show, at a minimum, the Public Land Survey System grid, the location and code of all identified wetlands, streams, the study area boundary, and major, named streets.

(3) Wetland maps must include:

(a) Map name;

(b) Scale bar;

(c) Geographic reference to the Public Land Survey System;

(d) Roads, with major roads named, and railroads;

(e) Streams and stream names;

(f) Artificially created wetlands and other waters labeled with their purpose (e.g. storm water pond);

(g) Tax lot lines;

(h) Watershed boundaries at the 6th field Hydrologic Unit Code scale as defined by the US Geological Survey or finer;

(i) Legend that explains all map symbols, line work, and patterns;

(j) Map date (month and year final map prepared);

(k) All wetlands, clearly and accurately drawn and clearly identified by a unique wetland code that relates each wetland to field data forms, tables, databases, wetland summary sheets, and OFWAM summary forms;

(l) Cowardin classification(s) of each wetland per 141-086-0210(15a & 16);

(m) Disclaimer that reads: "Information shown on this map is for planning purposes, represents the conditions that exist at the map date, and is subject to change. The location and extent of wetlands and other waters is approximate. There may be unmapped wetlands and other waters present that are subject to regulation. A current Oregon Department of State Lands-approved wetland delineation is required for state removal-fill permits. You are advised to contact the Department of State Lands and the U.S. Army Corps of Engineers with any regulatory questions."

(n) Numbered sample plots; and

(o) Study area boundary as defined by the local government.

(4) Minimum map scale must be 1 inch = 200 feet (1:2,400).

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0225

Digital Data Standards

(1) A minimum of two sets of the final Department-approved LWI geospatial datasets must be prepared; one set must be provided to the Department for inclusion in the SWI and the other must be provided to the local government.

(2) A georeferenced ArcGIS compatible dataset with attribute tables and metadata must be developed for each of the following:

(a) Wetland polygons with a unique wetland identification label, Cowardin classification code(s) and modifiers, HGM classification, approximate wetland size, Locally Significant Wetland significance determination (if made), whether it was visually confirmed, and the Department's wetland delineation report file number, if any.

(b) Probable wetland points with PW label;

(c) Streams with unique identification labels and, where available, names;

(d) Other natural bodies of water with names;

(e) Artificially created wetlands and water features (such as irrigation canals and ditches, industrial ponds, log ponds, golf course features, and storm water detention ponds) uniquely identified and purpose of artificially-created feature, if known;

(f) Watershed boundaries (6th order Hydrologic Unit Code scale or finer);

(g) Study area boundary;

(h) Tax lot lines and numbers;

(i) Sample plot dataset with unique identification labels that correspond to the field data form; and

(j) Major streets with name labels.

(3) All georeferenced data sets must be projected using the Oregon Geographic Information Council-endorsed state standard: Oregon Lambert conformal conic (Datum: NAD 83; Units: International feet: 3.28084; Spheroid: GRS1980).

(4) Metadata must be completed for each layer, conform to the current Oregon Geographic Information Council Metadata Standard, and must include a disclaimer as described in OAR 141-086-0222(3m).

Stat. Auth.: ORS 273.045
Stats. Implemented: ORS 196.668 - 196.686 & 196.692
Hist.: DSL 2-2001, f. & cert. ef. 2-26-01; DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0228

Review and Approval Process

(1) A draft of all the LWI products required in OAR 141-086-0210 through -0225 of these rules must be provided to the Department (if the inventory was not developed by the Department) and the local government(s) for review.

(2) The local government must provide opportunity for public review of and comment on the draft LWI products.

(3) Public and local government comments on draft LWI products must be provided to the Department. The Department will request in writing from the party responsible for preparing the LWI any revisions or additions required in order for the LWI to be approved.

(4) The Department will review final products to ensure that all changes requested by the Department have been adequately addressed.

(5) If the final LWI products meet the requirements in these rules, the Department will send a letter of approval to the local government.

Stat. Auth.: ORS 273.045
Stats. Implemented: ORS 196.668 - 196.686 & 196.692
Hist.: DSL 2-2001, f. & cert. ef. 2-26-01; DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0230

Revisions

(1) A city or county may elect to or may be required by the Department of Land Conservation and Development (DLCD) to revise their LWI. An LWI revision consists of either expanding the study area of an existing LWI or incorporating new wetland location and information into an existing LWI study area. The provisions in subsections (a) through (d) must be followed when an LWI is being revised.

(a) All Urban Growth Boundary expansion areas or other areas not included in the original LWI study area must be inventoried according to the requirements in these rules. If the original LWI area is not updated at the same time, it may still be necessary to update the LWI area adjacent to the new LWI area in order to align wetlands that are continuous between the two areas.

(b) When an LWI is being updated, newly identified wetlands or wetland boundary changes equal to or greater than one half of an acre must be identified, mapped and assessed using OFWAM.

(c) Sources of information for review of the previous study area to update the LWI must at a minimum include:

(A) Wetland delineation reports approved by the Department or map errors verified by the Department after the date of the approved LWI;

(B) Aerial photos approved by the Department, taken within five years of inventory revision initiation; and

(C) A field reconnaissance of the study area.

(d) Wetlands not previously mapped on the LWI must be verified by establishing a sample plot or by visual confirmation as required in OAR 141-086-0210(7) and (8) of this rule; previously mapped wetlands no longer apparent on aerial photos must also be verified with a sample plot or visually confirmed as necessary to confirm their absence.

(2) A draft of the revised LWI products as required in OAR 141-086-0228(1) through (5) must be provided to the Department and is subject to Department review and approval.

(3) If the LWI was used as the basis for an approved WCP, the local jurisdiction must instead:

(a) Provide to the Department, as part of the annual report (OAR 141-086-0035), a revised map and report indicating wetlands filled and wetlands restored, enhanced or created for mitigation; and

(b) Every five years, in conjunction with the Department's five year WCP review (ORS 196.684(6)), conduct an LWI review and incorporate new information, as required in OAR 141-086-0230(1)(b) through (1)(d).

(4) Newly-identified wetlands as identified by a Department-approved wetland delineation report or a removal-fill permit must not be added to the Department-approved Local Wetlands Inventory map without following the procedures outlined by OAR 141-086-0230(1)(a) through (d).

(5) Refinements to the location, extent, and/or absence of wetlands mapped on the LWI, as identified by a Department-approved wetland delineation or a Department wetland determination report, may be made at any time through an administerial process, by annotating the approved LWI or by creating a separate geospatial dataset containing the boundary adjustments, preserving the approved LWI mapping.

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; DSL 2-2001, f. & cert. ef. 2-26-01;
DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

141-086-0240

Landowner Notification

(1) When the LWI is approved by the Department, the local jurisdiction must notify by mail within one hundred twenty (120) calendar days all landowners of record whose parcel contains or abuts a mapped wetland or probable wetland.

(2) The local jurisdiction must provide one copy of the landowner notification letter to the Department.

Stat. Auth.: ORS 196.674 - 196.681 & 196.692
Stats. Implemented: ORS 196.668 - 196.692
Hist.: LB 11-1991, f. & cert. ef. 11-15-91; LB 9-1994, f. & cert. ef. 12-15-94; DSL 2-2001, f. & cert. ef. 2-26-01;
DSL 11-2008, f. 12-12-08, cert. ef. 1-1-09

IDENTIFYING SIGNIFICANT WETLANDS

141-086-0300

Purpose

ORS 197.279 (3) directs the Division of State Lands to establish these criteria and procedures for the identification of significant wetlands under Statewide Planning Goal 5. Local governments will use these technical standards to complete their planning responsibilities for wetlands, which are established by the Land Conservation and Development Commission (OAR 660-023-0100).

Stat. Auth.: ORS 273 .360
Stats. Implemented: ORS 197.299
Hist.: LB 7-1996, f. 12-13-96, cert. ef. 1-1-97

141-086-0310

Policy

To protect the state's wetland resources, the functions and services they provide, and all interests, it is important that clear and consistent criteria be used to identify significant wetlands for planning purposes.

Stat. Auth.: ORS 273 .360
Stats. Implemented: ORS 197.299
Hist.: LB 7-1996, f. 12-13-96, cert. ef. 1-1-97

141-086-0320

Uses and Applicability

(1) These rules provide standard criteria for local governments to use to meet their obligations for freshwater wetland planning as set forth by the Land Conservation and Development Commission (LCDC) in Goal 5. These rules do not address planning requirements for estuarine wetlands, which are covered under Statewide Planning Goal 16.

(2) Local governments shall apply the criteria for identifying locally significant wetlands (LSW). As specified in LCDC's Goal 5 rules (OAR 660-023-0100), the use of these criteria is required within urban growth boundaries (UGBs) and urban unincorporated communities (UUCs). The Goal 5 rules also authorize an option for counties to conduct detailed wetland planning in areas outside of UGBs and UUCs. Should a county choose to do so, the same rules and procedures as for UGBs and UUCs shall apply, including these criteria for significant wetlands.

(3) As provided by LCDC's Goal 5 rules (OAR Chapter 660, Division 23), local government planning and zoning responsibilities include the determination, designation, and protection of significant wetlands. A community that has identified significant wetlands prior to this rule should proceed under the provisions of OAR 660-023-0250.

Stat. Auth.: ORS 273 .360
Stats. Implemented: ORS 197.299
Hist.: LB 7-1996, f. 12-13-96, cert. ef. 1-1-97

141-086-0330

Definitions

(1) "Director" means the Director of the Division of State Lands or the Director's designee.

(2) "Division" means the Division of State Lands.

(3) "Indigenous Anadromous Salmonids" are chum, sockeye, Chinook and Coho salmon, and steelhead and cutthroat trout, that are members of the family Salmonidae and are listed as sensitive, threatened or endangered by a state or federal authority.

(4) "Inhabited by" means that a plant or animal species uses the site for rearing, feeding, or breeding or as a migration or dispersal corridor. This does not include incidental use of the site by an animal species.

(5) "Locally Significant Wetlands" or "LSW" are those wetland sites that provide functions or exhibit characteristics that are pertinent to community planning decisions made at a local scale, for example within a UGB. These wetland sites shall be identified by local governments according to the criteria and procedures in sections 141-086-0340 and 141-086-0350.

(6) "Native Plant Community" is used here to indicate a recognized assemblage of plant species indigenous to Oregon. All such wetland plant communities are listed in the most recent version of Classification and Catalog of Native Wetland Plant Communities in Oregon (Oregon Natural Heritage Program).

(7) "Rare Plant Community" is defined as relictual, uncommon or unique in Oregon, determined by number of occurrences and threats following national heritage program criteria (i.e., rarity ranking of G1-G3 or S1-S3). The most concise listing of wetland plant communities in Oregon that meet this standard for rarity is found in Appendix G of the Oregon Freshwater Wetland Assessment Methodology (Oregon Division of State Lands, 1996). The rarity rank of all wetland plant communities is also listed in the most recent version of Classification and Catalog of Native Wetland Plant Communities in Oregon (Oregon Natural Heritage Program).

(8) "Wetlands" means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.

Stat. Auth.: ORS 273 .360
Stats. Implemented: ORS 197.299
Hist.: LB 7-1996, f. 12-13-96, cert. ef. 1-1-97

141-086-0340

Procedures for Identifying Locally Significant Wetlands

(1) LSW criteria are applied by the local government.

(2) The following base information is required prior to applying the LSW criteria:

(a) An approved Local Wetlands Inventory (OAR 141-086-0110 through 141-086-0240) covering the plan area; and

(b) A function and quality assessment of all inventoried wetlands using the Oregon Freshwater Wetland Assessment Methodology (OFWAM; Oregon Division of State Lands, 1996). Functional assessment descriptors from OFWAM appear in quotation marks in section 146-086-0350 of these rules. An equivalent functional assessment methodology may be used, or adjustments may be made, upon written approval by the Director. If a different assessment methodology is approved, then equivalent terminology will be set out in the Division's letter of approval.

Stat. Auth.: ORS 273 .360
Stats. Implemented: ORS 197.299
Hist.: LB 7-1996, f. 12-13-96, cert. ef. 1-1-97

141-086-0350

Locally Significant Wetland Criteria

(1) Exclusions. Regardless of their standing in relation to the criteria in OAR 141-086-0350(2) or (3) of these rules, wetlands shall not be designated as locally significant if they fall within any one of the following categories:

(a) Wetlands artificially created entirely from upland that are:

(A) Created for the purpose of controlling, storing, or maintaining stormwater; or

(B) Active surface mining or active log ponds; or

(C) Ditches without a free and open connection to natural waters of the state (as defined in OAR 141-085-0010(9)) and which do not contain food or game fish (as defined in ORS 496.009); or:

(D) Less than one acre in size and created unintentionally as the result of:

(i) Irrigation water overflow or leakage; or

(ii) Construction activity not related to compensatory mitigation for permitted wetland impacts; or

(E) Of any size and created for the purpose of wastewater treatment, cranberry production, farm or stock watering, settling of sediment, cooling industrial water, or as a golf course hazard.

(b) Wetlands or portions of wetlands that are contaminated by hazardous substances, materials or wastes as per the following conditions:

(A) The wetland is documented as contaminated on either the U.S. Environmental Protection Agency's (EPA) National Priority List (NPL, also known as the "superfund list"), or the Department of Environmental Quality's (DEQ) Inventory of Hazardous Substance Sites (ORS 465.225).

(B) Only the portion of the wetland affected by such hazardous substances or wastes shall be excluded from the LSW analysis. Affected portions shall be delineated in consultation with EPA and DEQ, and shall include areas potentially disturbed by clean-up activities.

(C) Contaminated wetlands that have subsequently been removed from the NPL or DEQ Inventory following cleanup shall be re-evaluated under the LSW criteria at the next periodic review.

(2) Mandatory LSW Criteria. A local government shall identify a wetland as locally significant if it meets one or more of the following criteria:

(a) The wetland performs any of the following functions at the levels indicated below using the Oregon Freshwater Wetland Assessment Methodology:

(A) "Diverse" wildlife habitat; or

(B) "Intact" fish habitat; or

(C) "Intact" water quality function; or

(D) "Intact" hydrologic control function.

(b) The wetland or a portion of the wetland occurs within a horizontal distance less than one-fourth mile from a water body listed by the Department of Environmental Quality as a water quality limited water body (303 (d) list), and the wetland's water quality function is described as

"intact" or "impacted or degraded" using OFWAM. The 303(d) list specifies which parameters (e.g., temperature, pH) do not meet state water quality standards for each water body. A local government may determine that a wetland is not significant under this subsection upon documentation that the wetland does not provide water quality improvements for the specified parameter(s).

(c) The wetland contains one or more rare plant communities, as defined in this rule.

(d) The wetland is inhabited by any species listed by the federal government as threatened or endangered, or listed by the state as sensitive, threatened or endangered, unless the appropriate state or federal agency indicates that the wetland is not important for the maintenance of the species.

(A) The use of the site by listed species must be documented, not anecdotal. Acceptable sources of documentation may include but are not limited to: field observations at the wetland sites during the local wetlands inventory and functional assessments, and existing information on rare species occurrences at agencies such as the Oregon Natural Heritage Program, Oregon Department of Fish and Wildlife, Oregon Department of Agriculture and the U.S. Fish and Wildlife Service.

(B) Input originating from other locally knowledgeable sources constitutes "documentation" if verified by one of the above agencies or a university or college reference collection.

(e) The wetland has a direct surface water connection to a stream segment mapped by the Oregon Department of Fish and Wildlife as habitat for indigenous anadromous salmonids, and the wetland is determined to have "intact" or "impacted or degraded" fish habitat function using OFWAM.

(3) Optional LSW Criteria. At the discretion of the local government, wetlands that meet one or more of the following criteria may be identified as locally significant wetlands:

(a) The wetland represents a locally unique native plant community: wetland is or contains the only representative of a particular native wetland plant community in the UGB/UUC, which is only applicable if the entire UGB/UUC is inventoried. To be identified as a LSW, such a wetland must also have been assessed to perform at least one of the following functions at the levels indicated below using OFWAM:

(A) Its wildlife habitat descriptor is either "provides diverse habitat", or "provides habitat for some wildlife species"; or

(B) Its fish habitat descriptor is either "intact", or "impacted or degraded"; or

(C) Its water quality function descriptor is either "intact", or "impacted or degraded"; or

(D) Its hydrologic control function descriptor is either "intact", or "impacted or degraded".

(b) The wetland is publicly owned and determined to "have educational uses" using OFWAM, and such use by a school or organization is documented for that site.

Stat. Auth.: ORS 273 .360
Stats. Implemented: ORS 197.299
Hist.: LB 7-1996, f. 12-13-96, cert. ef. 1-1-97

141-086-0370

Definitions

(1) **"Classification"** means the designation of wetlands into hydrogeomorphic classes and subclasses. For example, "riverine" would be one class of wetlands.

(2) **"Director"** means the Director of the Division of State Lands or the Director's designee.

(3) **"Division"** means the Division of State Lands.

(4) **"Functional Assessment"** means the process by which the capacity of a wetland to perform a certain function or group of functions is measured. Such functions would include but are not limited to: surface water storage, sediment removal, and maintenance of characteristic plant communities.

(5) The "**Hydrogeomorphic Method"** or **"HGM"** is a scientific method of wetland classification and functional assessment based on a wetland's location in the landscape and the sources and duration of water flow. The HGM approach identifies the wetland classes present in each region, defines the functions that each class of wetlands performs, and establishes reference sites to define the range of functioning of each wetland class.

(6) **"Outstanding State Wetlands"** or **"OSWs"** are reference standard wetlands identified within each Oregon region.

(7) **"Reference Standard Wetlands"** are one component of an HGM and, for the purposes of these rules, are those sites that best exhibit the highest sustainable level of functional capacity for the functions performed by the regional wetland class or subclass.

(8) **"Region"** means an ecosystem-based geographical subdivision of the state, such as the Level III and IV Ecoregions of Oregon (e.g., the Willamette Valley) mapped by the U. S. Environmental Protection Agency.

(9) **"Wetlands"** means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.

Stat. Auth.: ORS 273 .045 & ORS 273 .051

Stats. Implemented: ORS 197.279(3), ORS 196.672 & ORS 196.674
Hist.: LB 4-1997, f. 4-15-97, cert. ef. 5-1-97

141-086-0380

Applicability

(1) These rules set forth the criteria and procedures by which the Division will identify outstanding state wetlands and provide the information to local governments. Due to the state's interest in OSWs and the expertise required for their identification, the Division is responsible for applying these rules.

(2) The Land Conservation and Development Commission will determine any local land use planning responsibilities regarding OSWs identified by the Division.

(3) OSWs identified according to these rules become part of the Statewide Wetlands Inventory.

Stat. Auth.: ORS 273 .045 & ORS 273 .051
Stats. Implemented: ORS 197.279(3), ORS 196.672 & ORS 196.674
Hist.: LB 4-1997, f. 4-15-97, cert. ef. 5-1-97

141-086-0390

Criteria and Procedures

(1) A wetland shall be identified as an OSW if it is judged by the Division to be a reference standard wetland as defined in sections 141-086-0370(7).

(2) The Division may convene one or more technical panel(s) of wetland scientists with expertise in wetland functions, wetland classification, and/or regional wetland types in Oregon. The technical panel(s) will assist the Division in developing the hydrogeomorphic classification and functional assessment method (HGM) for Oregon, identifying the regional wetland classes and subclasses, primary functions, and reference standard wetlands. The Oregon HGM will be developed in stages, region by region, as resources allow. The Oregon HGM will be developed in cooperation with the Army Corps of Engineers, Environmental Protection Agency, Natural Resources Conservation Service, state resource agencies, and others as appropriate, and will incorporate protocols developed by the U.S. Army Corps of Engineers Waterways Experiment Station (for example, Technical Report WRP-DE-9, R. D. Smith et al., 1995).

(3) Prior to designating a reference standard wetland as an OSW, the Division shall:

(a) Identify and map site boundaries;

(b) Develop management recommendations to conserve and protect the documented wetland functions of the site;

(c) Develop draft findings describing how the site has met the standards for an OSW;

(d) Provide public notice on the draft findings to the local government, affected landowners and land managers and other interested parties, and provide a 45-day public comment period;

(e) Hold at least one public meeting within the area of the proposed OSW(s) during the comment period; and

(f) Finalize the findings and site boundaries after consideration of public comment.

(4) The Division shall provide all maps, criteria findings and supporting information regarding an identified OSW to the appropriate local government(s) for their use in land use planning activities.

Stat. Auth.: ORS 273 .045 & ORS 273 .051
Stats. Implemented: ORS 197.279(3), ORS 196.672 & ORS 196.674
Hist.: LB 4-1997, f. 4-15-97, cert. ef. 5-1-97

APPENDIX C:

Technical Staff Qualifications

ERIC HENNING

Mr. Henning is managing member of Zion Natural Resources Consulting. Relevant experience includes completing over 800 projects in the past eleven years encompassing wetland delineations, development of Joint State and Federal Removal/Fill Permit Applications, and the design and implementation of wetland and stream restoration mitigation plans. He also has knowledge and understanding in completing Hydrogeomorphic Based Assessments of Wetlands within the Willamette Valley. He is well versed in state and federal rules and regulations governing the waters and wetlands of the state. Mr. Henning has three years of experience as an assistant staff biologist for the Oregon Department of Fish and Wildlife and an additional three years' experience as a Regional Wildlife Biologist encompassing the states of Oregon and California for a national non-profit conservation organization.

Education

B.S. Biology, St. Cloud State University	February 1998
B.S. Wildlife Science, Oregon State University	September 2000

Certifications

ACOE Wetland Delineation & Management Training - Portland, Oregon	December 2002
Western Mountains, Valleys & Coasts Delineation Manual Supplement Training	June 2008
Wetland Delineation Regional Supplement Training - Salem, Oregon	July 2008
Mitigation Monitoring Guidance Training - Salem, Oregon	November 2009
Oregon Rapid Wetland Assessment Protocol (ORWAP) Training - Salem, Oregon	August 2010

ARIANA HENNING

Ms. Henning is a managing member and co-owner of Zion Natural Resources Consulting and has 21 years of professional experience. She has a diverse background in biology, bio-engineering, wetland consulting, GIS, data research and management. She has worked for state agencies, private organizations and consulting firms which have given her a wide range of experience with biological and environmental assessments, and wetland delineations. In addition, her experience includes project management and coordination, extensive literature reviews and research analysis, and she is well versed in state and federal rules and regulations governing environmental and biological subject matter. Ms. Henning has worked with a diverse range of clientele and has strong interpersonal skills and extensive experience in working cooperatively and productively with others. She is highly efficient and has a high aptitude for data analysis, research, and technical writing.

Education

M.S. Bio-Resource Engineering, Oregon State University	September 2004
Minor: Earth Information Science (GIS)	
Summa Cum Laude 3.93/4.00 GPA	
B.S. Wildlife Science, Oregon State University	June 2000

Certifications

ACOE Wetland Delineation & Management Training - Portland, Oregon	December 2002
EPA Watershed Management Training Certificate - Corvallis, Oregon	February 2004
Western Mountains, Valleys & Coasts Delineation Manual Supplement Training	June 2008

APPENDIX D:

Wetland Summary Sheets

KEY TO ABBREVIATIONS FOUND ON THE WETLAND SUMMARY SHEETS

Wetland Mapping Codes
Assessment Unit – Wetland Code (*) star after the code indicates locally significant wetland

Cowardin Classifications
The Cowardin wetland classification system (also known as the U.S. Fish and Wildlife Service National Wetland Inventory system) is based on ecological system, substrate material, flooding regime and vegetative life form (Cowardin et al. 1979) and describes types of wetlands that may be encountered.

PEM - Palustrine Emergent
- PEMA – Palustrine Emergent, Temporary Flooded
- PEMC – Palustrine Emergent, Seasonally Flooded
- PEME – Palustrine Emergent, Seasonally Flooded / Saturated
- PEMf – Palustrine Emergent, Farmed
- PEMEf – Palustrine Emergent, Seasonally Flooded / Saturated Farmed
- PEMBf – Palustrine Emergent, Saturated Farmed

PUB - Palustrine Unconsolidated Bottom

PUBFx - Palustrine Unconsolidated Bottom, Semi-permanently flooded, Excavated

PSS - Palustrine Scrub-Shrub
- PSS1 – Palustrine Scrub-Shrub, Broad Leaved Deciduous

PFO - Palustrine Forested
- PFO1 – Palustrine Forested, Broad Leaved Deciduous

Wetland Summary Sheet

Assessment Unit #: 1

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	20.31	**Field Verification Dates:**	4/4/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2016-0292, WD-2018-0292

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
01-01	8.43	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (agricultural, forest, and open space).
01-02	6.39	PEM	
01-03	0.08	PEM	
01-04	0.8	PFO	
01-05	0.23	PEM	
01-06	1.14	Other Waters	
01-07	0.35	PEM	
01-08	2.9	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.30D 100, 7.5.29 505
Address or Other:	Located west and east of James Howe Road and north of West Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
72-Waldo silty clay loam	Precipitation
8D-Bellpine silty clay loam, 12-20% slopes	Surface flow
48A-McAlpin silty clay loam, 0 to 3% slopes	
68C-Suver silty clay loam, 3-12% slopes	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has high enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	field meadow foxtail (Alopecurus pratensis), FAC
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments
Wetlands adjacent to two tributaries to Rickreall Creek.

Wetland Summary Sheet

Assessment Unit #: 2

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	8.49	**Field Verification Dates:**	4/4/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2016-0292, WD-2018-0399

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
02-01	5.56	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (residential and public space).
02-02	1.96	PEM	
02-03	0.97	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.29 505, 7.5.29CD 1400
Address or Other:	North of West Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Precipitation
64B-Salkum silty clay loam, 2 to 6% slopes	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon white oak (Quercus garryana), FACU	field meadow foxtail (Alopecurus pratensis), FAC
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 3

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	1.27	**Field Verification Dates:**	4/4/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2016-0292

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
03-01	1.27	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.29 505
Address or Other:	North of West Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Precipitation
	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	colonial bentgrass (Agrostis capillaris), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 4

Locally Significant:	No	**Sample Plot #'s:**	3
Total Acreage:	0.29	**Field Verification Dates:**	4/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
04-01	0.29	PEM	This wetland has its own assessment unit due to the Cowardin classification and its location within the landscape.

Location	
Hydrologic Basin:	
Legal Description:	7.5.29 708
Address or Other:	Kingsborough City Park

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Surface flow

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland has potential for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	common rush (Juncus effusus), FACW
	Fringed Willowherb (Epilobium ciliatum), FACW
Shrubs:	
	Vines:

Comments
This wetland is a detention pond managed by the City. This is hydrologically connected to the tributary to Rickreall Creek to the west.

Wetland Summary Sheet

Assessment Unit #: 5

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	1.76	**Field Verification Dates:**	4/4/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2015-0175; 61364-RF

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
05-01	0.98	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (residential and public space).
05-02	0.24	PEM	
05-03	0.53	PFO	

Location	
Hydrologic Basin:	
Legal Description:	7.5.30DD 11700, 7.5.30DD 11800, 7.5.31A 600
Address or Other:	South of SW Oregon Trail Drive

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
72-Waldo silty clay loam	Surface flow
	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is intact
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	field meadow foxtail (Alopecurus pratensis), FAC
black hawthorn (Crataegus douglasii), FAC	common velvet-grass (Holcus lanatus), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
nootka rose (Rosa nutkana), FAC	
Himalayan blackberry (Rubus armeniacus), FAC	
pacific willow (Salix lasiandra), FACW	
Common Snowberry (Symphoricarpos albus), FACU	**Vines:**

Comments
Wetlands are connected to an unnamed tributary to Rickreall Creek.

Wetland Summary Sheet

Assessment Unit #: 6

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	1.01	**Field Verification Dates:**	4/4/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2003-0557; 31335-FP

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
06-01	0.11	PFO	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (residential).
06-02	0.5	PFO	
06-03	0.4	PFO	

Location	
Hydrologic Basin:	Willamette 170900
Legal Description:	7.5.28CB 8000, 7.5.28CB 8100,7.5.28CB 8200, 7.5.28CB 8300,
Address or Other:	Located east of NW Jasper Street and east of NW Gavin Drive

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Precipitation
	Surface flow

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	lamp rush (Juncus effusus), FACW
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments
These wetlands are located within residential lots and are located within the same drainage. Wetland 6-03 is a detention pond that is connected to the City's stormwater system.

Wetland Summary Sheet

Assessment Unit #: 7

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.37	**Field Verification Dates:**	4/30/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
07-01	0.37	PFO	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.28CA 300
Address or Other:	South of Hwy 223

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	
balsam poplar (Populus balsamifera), FAC	
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments
Depressional area adajecent to upland open space to the east and surrounded by commercial development

Wetland Summary Sheet

Assessment Unit #: 8

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.46	**Field Verification Dates:**	4/30/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2015-0406; 60576-RF

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
08-01	0.46	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (residential).

Location	
Hydrologic Basin:	
Legal Description:	7.5.28AC 4700
Address or Other:	East fo NE Evergreen Avenue and north of Hwy 223.

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
64C-Salkum silty clay loam, 6 to 12% slopes	Surface flow

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	lamp rush (Juncus effusus), FACW
	tall false rye grass (Schedonorus arundinaceus), FAC
	curly dock (Rumex crispus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments
Topographically defined wetland within a swale that drains into a flat wetland area before continuing through a culvert beneath Hwy 223. The hydrology continues east eventually connecting to Harland Slough.

Wetland Summary Sheet

Assessment Unit #: 9

Locally Significant:	Yes	**Sample Plot #'s:**	27, 44, 45
Total Acreage:	4.49	**Field Verification Dates:**	4/30/2019, 5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
09-01	4.21	PFO/PSS	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space with large residential lots).
09-02	0.29	Other Waters	

Location	
Hydrologic Basin:	
Legal Description:	7.5.28D 701, 500, 100, 101, 102
Address or Other:	North of East Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Surface flow
48B-McAlpin silty clay loam, 3 to 6% slopes	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is intact
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	meadow foxtail (Alopecurus pratensis), FAC
Sweet Cherry (Prunus avium), FACU	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments
Wetland topgraphically defined and drains outside the study area to the east.

Wetland Summary Sheet

Assessment Unit #: 10

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.17	**Field Verification Dates:**	6/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
10-01	0.17	PEMf	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.27D 3600
Address or Other:	North of East Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
20-Concord silt loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 11

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.75	**Field Verification Dates:**	6/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
11-01	0.75	PEMf	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.26CB 102
Address or Other:	2220 East Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
20-Concord silt loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 12

Locally Significant:	No	**Sample Plot #'s:**	6
Total Acreage:	0.31	**Field Verification Dates:**	6/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
12-01	0.31	PEMf	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.26CC 905, 1400
Address or Other:	2353 East Ellendale Avenue

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
77A-Woodburn silt loam, 0 to 3% slopes	Precipitation
67C-Stiewer silt loam, 3-12% slopes	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments
Wetland adjacent to stream to the east.

Wetland Summary Sheet

Assessment Unit #: 13

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	6.29	**Field Verification Dates:**	4/4/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2007-0413, WD-2017-0021

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
13-01	4.26	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space and residential).
13-02	1.31	PEM	
13-03	0.72	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34A 2500, 2400, 2300
Address or Other:	320, 430, 510 SE Fir Villa Rd,

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
25-Dayton silt loam	Groundwater
3-Amity silt loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 14

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	1.71	**Field Verification Dates:**	5/1/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2007-0413

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
14-01	0.62	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space and residential).
14-02	1.09	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34A 2401, 2400, 2500
Address or Other:	320, 430, 490 SE Fir Villa Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
25-Dayton silt loam	Precipitation
	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland's wildlife habitat function is lost
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 15

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	7.08	**Field Verification Dates:**	5/1/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2014-0303; 56688-RF

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
15-01	1.95	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space and residential).
15-02	0.24	PEM	
15-03	4.89	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34A 700, 900, 1200, 1300 7.5.34AB 4700, 8500
Address or Other:	645, 705, 785 SE Fir Villa Rd; north and sout of SE Academy St

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
25-Dayton silt loam	Precipitation
46-Malabon silty clay loam, occasionally flooded	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 16

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.09	**Field Verification Dates:**	5/1/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2014-0303; 56688-RF

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
16-01	0.09	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.34A 700
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
77A-Woodburn silt loam, 0 to 3% slopes	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 17

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	1.44	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2018-0553, WD-2004-0340; 33926-RF

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
17-01	0.66	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space and residential).
17-02	0.78	MIT	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34BB 700, 3600
Address or Other:	520 Hawthorne Ave, north of SE Academy St

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
33-Holcomb silt loam	Precipitation
	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Oregon ash (Fraxinus latifolia), FACW	
nootka rose (Rosa nutkana), FAC	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments
17-02 is a wetland mitigation site connected hydrologically through a culvert to the unnamed stream to the south.

Wetland Summary Sheet

Assessment Unit #: 18

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	1.63	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2004-0340; 33926-RF, WD-2017-0344

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
18-01	1.42	PFO/PSS	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space and residential).
18-02	0.21	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34BD 12000, 7.5.34B 2509
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
33-Holcomb silt loam	Surface flow
46-Malabon silty clay loam, occasionally flooded	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has high enhancement potential
Education:	Wetland has educational uses
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
big-leaf maple (Acer macrophyllum),FACU	lamp rush (Juncus effusus), FACW
Oregon ash (Fraxinus latifolia), FACW	reed canary grass (Phalaris arundinacea), FACW
balsam poplar (Populus balsamifera), FAC	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 19

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	0.27	**Field Verification Dates:**	5/3/2019
HGM Classification:	ssional (undifferen	**DSL File #:**	WD-2017-0344

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
19-01	0.11	PFO	Wetlands in the same landscape setting, hydrologically connected, and located within the floodplain of Rickreall Creek.
19-02	0.16	PFO	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34AC 1800
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
46-Malabon silty clay loam, occasionally flooded	Surface flow
	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is intact
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	lamp rush (Juncus effusus), FACW
Shrubs:	
Oregon ash (Fraxinus latifolia), FACW	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 20

Locally Significant:	No	**Sample Plot #'s:**	23
Total Acreage:	1.39	**Field Verification Dates:**	4/30/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2019-0027

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
20-01	0.79	PEMC	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (agricultural).
20-02	0.26	PEMC	
20-03	0.01	PEMC	
20-04	0.33	PEMf	

Location	
Hydrologic Basin:	
Legal Description:	7.5.34D 2200
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation
77A-Woodburn silt loam, 0 to 3% slopes	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 21

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.72	**Field Verification Dates:**	4/30/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2019-0027

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
21-01	0.72	PEMC	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.34C 2500
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 22

Locally Significant:	No	**Sample Plot #'s:**	52
Total Acreage:	0.39	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
22-01	0.39	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.34CC 3200
Address or Other:	1696 SE Godsey Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	tall false rye grass (Schedonorus arundinaceus), FAC
	colonial bentgrass (Agrostis capillaris), FAC
Shrubs:	
	Vines:

Comments
Located in the backyard of a residence.

Wetland Summary Sheet

Assessment Unit #: 23

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.58	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
23-01	0.08	PFO	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (residential).
23-02	0.5	PFO	

Location	
Hydrologic Basin:	
Legal Description:	8.5.3BB multiple tax lots
Address or Other:	East of SE Godsey Rd and north of the SE Monmouht Cuttoff

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Surface flow

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 24

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.53	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2006-0355

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
24-01	0.53	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AA 1304, 1300
Address or Other:	1775 SE Godsey Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 25

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	0.53	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2006-0355

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
25-01	0.14	PEM/PFO	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (agriclutural).
25-02	0.39	PEM/PFO	

Location	
Hydrologic Basin:	
Legal Description:	7.5.33D 1100
Address or Other:	West of SE Godsey Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 26

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	1.13	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2019-0204

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
26-01	1.13	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33D 1121
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 27

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	0.82	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2019-0204

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
27-01	0.82	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AA 1305
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 28

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.5	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2006-0355

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
28-01	0.5	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33D 1004
Address or Other:	North of SE Monmouth Cutoff

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	tall false rye grass (Schedonorus arundinaceus), FAC
	field meadow foxtail (Alopecurus pratensis), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 29

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	1.66	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
29-01	1.66	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AA 2301
Address or Other:	1139 SE Monmouth Cutoff Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation
48A-McAlpin silty clay loam, 0 to 3% slopes	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 30

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	2.04	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
30-01	2.04	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AB 1400, 1401; 8.5.4A 1100
Address or Other:	992, 1029 SE Monmouht Cutoff Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 31

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	1.52	**Field Verification Dates:**	5/3/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2006-0355

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
31-01	1.5	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (agriclutural).
31-02	0.02	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.33D 900
Address or Other:	850 SE Monmouth Cutoff Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	perennial ryegrass (Lolium perenne), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 32

Locally Significant:	No	**Sample Plot #'s:**	54
Total Acreage:	0.27	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
32-01	0.27	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AB 100
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	tall false rye grass (Schedonorus arundinaceus), FAC
	colonial bentgrass (Agrostis capillaris), FAC
	hairy cat's ears (Hypochaeris radicata), FACU
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 33

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.19	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
33-01	0.19	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AB 703
Address or Other:	1830 SE Holman Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
	colonial bentgrass (Agrostis capillaris), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 34

Locally Significant:	No	**Sample Plot #'s:**	48, 55
Total Acreage:	2.24	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
34-01	0.69	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (opens space and residential).
34-02	1.55	PSS	

Location	
Hydrologic Basin:	
Legal Description:	8.5.4AB 1101 8.5.4BA 601
Address or Other:	West and east of SE Holman Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48A-McAlpin silty clay loam, 0 to 3% slopes	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
	colonial bentgrass (Agrostis capillaris), FAC
Shrubs:	
nootka rose (Rosa nutkana), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 35

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.06	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2009-0420

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
35-01	0.06	PEMC	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2400
Address or Other:	1650 SE Uglow Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is lost
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	reed canary grass (Phalaris arundinacea), FACW
	tall false rye grass (Schedonorus arundinaceus), FAC
	colonial bentgrass (Agrostis capillaris), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 36

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.07	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
36-01	0.07	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2402
Address or Other:	1773 SE Holman Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is lost
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 37

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.2	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2009-0420

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
37-01	0.2	PEMC	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2400
Address or Other:	1650 SE Uglow Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48B-McAlpin silty clay loam, 3 to 6% slopes	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is lost
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
	field meadow foxtail (Alopecurus pratensis), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 38

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.17	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2009-0420

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
38-01	0.17	PEMC	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2400
Address or Other:	1650 SE Uglow Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48B-McAlpin silty clay loam, 3 to 6% slopes	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is lost
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
	field meadow foxtail (Alopecurus pratensis), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 39

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	2.4	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
39-01	0.64	PSS	Wetland appears to be hydrologically isolated from other wetlands in the area.
39-02	1.76	PEM	

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2300
Address or Other:	West of SE Uglow Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 40

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	0.9	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
40-01	0.9	PSS	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (industrial).

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2100
Address or Other:	1551 SE Lyle St

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has high enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
balsam poplar (Populus balsamifera), FAC	
Shrubs:	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 41

Locally Significant:	No	**Sample Plot #'s:**	
Total Acreage:	0.1	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
41-01	0.1	PSS	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.33C 2100
Address or Other:	1551 SE Lyle St

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is intact
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is not pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
balsam poplar (Populus balsamifera), FAC	
Shrubs:	
pacific willow (Salix lasiandra), FACW	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 42

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	0.9	**Field Verification Dates:**	
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2017-0490

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
42-01	0.9	PEMC/PSS/EMC	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.5AA 803
Address or Other:	

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
72-Waldo silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has high enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	field meadow foxtail (Alopecurus pratensis), FAC
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 43

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	75.19	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2017-0490

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
43-01	58.26	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space, agricultural).
43-02	8.18	PFO	
43-03	0.12	Other Waters	
43-04	0.16	PFO/SS/EMC	
43-05	8.46	PEMf	

Location	
Hydrologic Basin:	
Legal Description:	7.5.32DC 7900, 8104, 8405, 8406; 7.5.32CD1905, 2001, 2100; 8.5.5A 201, 200; 8.5.5B 1
Address or Other:	Undeveloped area east of Hwy 223 and south of SW Oakdale Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
6A-Bashaw silty clay loam, 0 to 3% slopes	Precipitation
6C-Bashaw silty clay loam, 3 to 12% slopes	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has high enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland does not provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	colonial bentgrass (Agrostis capillaris), FAC
balsam poplar (Populus balsamifera), FAC	tall false rye grass (Schedonorus arundinaceus), FAC
	common velvet-grass (Holcus lanatus), FAC
	lamp rush (Juncus effusus), FACW
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 44

Locally Significant:	Yes	**Sample Plot #'s:**	35
Total Acreage:	2.48	**Field Verification Dates:**	5/1/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
44-01	1.16	PEM	Wetlands in the same landscape setting, hydrologically connected, managed similarly, and have similar surrounding land uses (open space, agricultural).
44-02	0.9	PFO	
44-03	0.42	PEM	

Location	
Hydrologic Basin:	
Legal Description:	8.5.5B 701, 802, 803, 900, 1000
Address or Other:	West of Hwy 223 and south of SW Oakdale Ave

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
48B-McAlpin silty clay loam, 3 to 6% slopes	Surface flow
27C-Dupee silt loam, 3 to 12% slopes	

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish Habitat is impacted
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is impacted
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has high enhancement potential
Education:	Wetland has potential for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
Oregon ash (Fraxinus latifolia), FACW	lamp rush (Juncus effusus), FACW
Shrubs:	
Himalayan blackberry (Rubus armeniacus), FAC	
Oregon ash (Fraxinus latifolia), FACW	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 45

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:	0.88	**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	WD-2017-0462

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
45-01	0.88	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	7.5.32CA 900
Address or Other:	North of SW Maple St

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
64B-Salkum silty clay loam, 2 to 6% slopes	Groundwater

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is not present
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has little enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
Shrubs:	
	Vines:

Comments

Wetland Summary Sheet

Assessment Unit #: 46

Locally Significant:	Yes	**Sample Plot #'s:**	
Total Acreage:		**Field Verification Dates:**	6/13/2019
HGM Classification:	Slope/Flats	**DSL File #:**	

Wetland Code	WetlandAcres	Cowardin Classification	Assessment Grouping Justification
46-01	30.8	PEM	Wetland appears to be hydrologically isolated from other wetlands in the area.

Location	
Hydrologic Basin:	
Legal Description:	8.5.3 700, 800
Address or Other:	12695 Clow Corner Rd

Physical Characteristics	
Soil Series:	**Primary Hydrological Source:**
21-Cove silty clay loam	Precipitation

OFWAM Assessment Results	
Wildlife Habitat:	Wetland provides habitat for some species
Fish Habitat:	Fish habitat is intact
Water Quality:	Wetland's water quality function is impacted
Hydrologic Control:	Wetland's hydrologic control function is lost
Sensitivity to Impacts:	Wetland is potentially sensitive to future impacts
Enhancement Potential:	Wetland has moderate enhancement potential
Education:	Wetland not appropriate for educational use
Recreation:	Wetland has potential to provide recreational opportunities
Aesthetics:	Wetland is moderately pleasing

Dominant Wetland Vegetation	
Trees:	**Herbs:**
	colonial bentgrass (Agrostis capillaris), FAC
	tall false rye grass (Schedonorus arundinaceus), FAC
Shrubs:	
	Vines:

Comments

APPENDIX E:

OFWAM Wetland Characterization Results

OFWAM WETLAND CHARACTERIZATION RESULTS

This appendix contains the results of the Oregon Freshwater Wetland Assessment Methodology wetland characterization. The characterization is based on the responses to 58 questions about the assessment area watersheds and the individual wetland assessment units. The results include two sections: (1) questions and responses about the assessment area watersheds, and (2) a table with responses for individual wetland assessment units.

Watershed Setting

1. *What is the name of the drainage basin that contains your assessment area?*

The study area is in the Middle Willamette Drainage Basin. Most of the Dallas UGB is within the Rickreall Creek watershed, with southern portion of the UGB within the Ash Creek Watershd. The UGB is drained by Rickreall Creek and the North Fork of Ash Creek.

2. *What is the watershed's area in square miles?*

The Rickreall Creek Watershed is 98 square miles and the Ash Creek Watershed is approximately 52.95 square miles.

3. *Calculate the average slope of the watershed*

This information is not used in completing the OFWAM assessment.

4. *Is the stream flow in the watershed modified by dams, channelization or levees?*

The North Fork of Ash Creek and tributaries to Rickreall Creek have modified stream flows which have been channelized, vegetation removed, and/or deepened. The streams are generally disconnected from the floodplains. All of the streams alternate between rural, agricultural, and urban-type land use impacts to the riparian zone.

5. *Is water being taken out of the stream(s) through active diking, drainage or irrigation districts in the watershed upstream of the assessment area?*

Water is being taken out of the stream through drainage or irrigation districts in the watershed upstream of the assessment area according to the Oregon Water Resources Department.

6. *What is the dominant land use in the watershed upstream from the assessment area?*

Forestry is the main land use upstream from the assessment area.

7. *Are any streams in the study area listed as water quality limited by the Oregon Department of Environmental Quality?*

Rickreall Creek is water quality limited for dissolved oxygen, flow modification, and temperature.

8. *What are the nonpoint source pollution water quality conditions of stream reaches in the watershed upstream from the assessment area?*

All upstream reaches are listed as no problem.

9. *What fisheries are present in the watershed?*

The following wild populations of cold water anadromous and resident fish have been documented by the Oregon Department of Fish and Wildlife within Rickreall Creek:

- UWR Winter Steelhead *Oncorhynchus mykiss*
- UWR Spring-run Chinook salmon *Oncorhynchus tshawytscha*
- Pacific Lamprey *Entosphenus tridentatus*
- Coastal Cutthroat *Oncorhynchus clarkii clarkii*

Coastal cutthroat trout are also located in the North Fork of Ash Creek.

10. *Are known sensitive, threatened or endangered fish species present in the watershed?*

Upper Willamette River Steelhead and Spring Chinook are present within Rickreall Creek and are listed as threatened under the federal Endangered Species Act.

11. *What wildlife species are present in the watersheds?*

This information is not used in completing the OFWAM assessment.

12. *Are known sensitive, threatened or endangered plant species or wildlife species other than fish present in the watershed?*

The following sensitive, threatened or endangered plant species or wildlife species are present in the watersheds:

<u>Birds</u>

- Marbled Murrelet *Brachyramphus marmoratus*
- Northern Spotted Owl *Strix occidentalis caurina*
- Streaked Horned Lark *Eremophila alpestris strigata*

<u>Insects</u>

- Fender's Blue Butterfly *Icaricia icarioides fenderi*

<u>Plants</u>

- Bradshaw's Desert-parsley *Lomatium bradshawii*
- Kincaid's Lupine *Lupinus sulphureus ssp. Kincaidii*
- Nelson's Checker-mallow *Sidalcea nelsoniana*
- Water Howellia *Howellia aquatilis*

- Willamette Daisy *Erigeron decumbens*

13. *Does the watershed provide a natural corridor for fish and wildlife movement?*

This information is not used in completing the OFWAM assessment.

14. *What are the landscape features at both ends of the movement corridor?*

This information is not used in completing the OFWAM assessment.

Individual Wetland Assessment Units

OFWAM wetland characterization results for individual wetland assessment units are in the following table. Assessment units are numbered 1 – 46. The following abbreviations are used in the table:

ag; agriculture
for; forestry
dev; developed or development
os; open space
PEM; palustrine emergent
PSS; palustrine scrub-shrub
PFO; palustrine forested

General Assessment Questions #15-33

Unit #	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1	ag-c, for-a, dev-a	dev-c, os-a	a	a	b	dev-c	PEM-a, PFO-c	a	c	b	NA	b	a	c	a	a	b	b	b
2	ag-b, for-b, dev-a	dev-c	a	b	b	dev-c	PEM-a	a	c	c	NA	c	b	d	c	NA	NA	NA	NA
3	ag-c	dev-c	b	a	b	dev-c	PEM-a	b	c	c	NA	c	b	d	c	NA	NA	NA	NA
4	os-c	os-b, dev-c	c	a	b	os-b, dev-c	PEM-a	b	b	c	NA	c	a	d	c	NA	NA	NA	NA
5	dev-b, ag-b	dev-b, ag-b	b	a	b	dev-c, ag-a	PEM-a	a	c	c	NA	a	a	d	a	a	a	b	NA
6	dev-c	dev-c	c	a	b	dev-c	PEM-a, PFO-c	b	c	c	NA	c	a	d	c	c	d	c	c
7	dev-c	dev-c	c	c	b	dev-c	PFO-a	b	a	c	NA	c	c	d	c	NA	NA	NA	NA
8	ag-b, dev-b	ag-c	c	a	b	ag-b, dev-b	PEM-a	b	c	c	NA	a	a	d	a	NA	NA	NA	NA
9	os-c, dev-a	os-c	b	a	b	dev-c	PEM-c, PFO-a	a	c	b	NA	a	a	d	a	a	b	b	NA
10	ag-b, dev-c	dev-c	c	b	b	ag-b, dev-c	PEM-a	c	c	c	NA	b	b	d	c	NA	NA	NA	NA
11	ag-a, dev-c	dev-c	b	b	b	ag-a, dev-c	PEM-a	c	c	c	NA	b	b	d	c	NA	NA	NA	NA
12	dev-c	os-b, dev-b	c	b	b	dev-c	PEM-a	b	c	c	NA	c	b	d	c	NA	NA	NA	NA
13	os-b, ag-a, dev-c	ag-c	a	b	b	dev-c	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
14	dev-c	dev-c	b	c	b	dev-c	PEM-a	b	c	c	NA	c	c	d	c	NA	NA	NA	NA
15	ag-b, dev-b	os-c	a	b	b	dev-c	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
16	dev-c	dev-c	c	b	b	dev-c	PEM-a	b	c	c	NA	c	b	d	c	NA	NA	NA	NA
17	dev-c	dev-c	b	a	b	dev-c	PEM-b, PSS-b	a	c	b	NA	b	a	d	a	NA	NA	NA	NA
18	os-a, dev-c	ag-c	b	a	b	dev-c	PFO-c	b	a	c	NA	b	a	d	a	b	a	c	NA
19	ag-c, os-a	os-b, dev-a	c	a	a	os-a, dev-b	PFO-a	a	a	c	NA	a	a	d	a	a	a	b	NA
20	os-b, ag-c, dev-a	ag-c	b	b	b	dev-b, ag-b	PEM-a	c	c	c	NA	c	b	d	c	NA	NA	NA	NA
21	os-b, ag-c, dev-a	ag-c	b	b	b	dev-b, ag-b	PEM-a	c	c	c	NA	c	b	d	c	NA	NA	NA	NA

General Assessment Questions #15-33

Unit #	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
22	dev-c, ag-b	dev-c, ag-b	c	c	b	dev-c	PEM-a	b	c	c	NA	c	b	d	c	NA	NA	NA	NA
23	dev-c, ag-b	dev-a, ag-b, os-b	b	a	b	dev-b, ag-b	PFO-a	b	a	c	NA	c	a	d	a	NA	NA	NA	NA
24	ag-b, dev-b	ag-a, dev-b, os-a	b	b	a	dev-c, ag-b	PEM-a	c	c	c	NA	c	b	d	c	NA	NA	NA	NA
25	os-b, ag-b, dev-b	os-b, dev-c	b	b	b	dev-c	PFO-c, PEM-c	b	a	b	NA	a	b	d	c	NA	NA	NA	NA
26	ag-b, dev-b	ag-a, dev-b, os-b	b	b	b	dev-c, ag-b	PEM-a	c	c	c	NA	c	b	d	c	NA	NA	NA	NA
27	ag-b, dev-b	ag-a, dev-b, os-a	b	a	a	dev-c	PEM a	b	c	c	NA	b	a	d	a	b	c	c	NA
28	ag-b, dev-b	ag-a, dev-c	b	b	a	dev-c	PEM-a	c	c	c	NA	c	b	d	c	NA	NA	NA	NA
29	os-b, dev-b, for-b	dev-c	b	b	b	ag-a, for-b,	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
30	os-b, dev-b, for-b	dev-c	b	b	b	ag-a, for-b,	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
31	ag-b, dev-c, os-a	ag-a, dev-c	b	b	b	dev-c	PEM-a	c	c	c	NA	a	b	d	a	b	b	c	NA
32	os-a, dev-c	os-a, dev-c	c	b	a	dev-c	PEM-a	b	c	c	NA	b	b	d	c	NA	NA	NA	NA
33	os-a, dev-c	os-a, dev-c	c	b	b	dev-c	PEM-a	b	c	c	NA	c	b	d	c	NA	NA	NA	NA
34	os-c, ag-a, dev-b	ag-b, os-b	b	a	b	ag-b, dev-b	PEM-b, PSS-b	a	c	c	NA	a	a	d	a	b	a	c	NA
35	os-b, dev-b	os-b, dev-b	c	b	a	dev-c	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
36	os-b, dev-b	os-b, dev-b	c	b	a	dev-c	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
37	os-b, dev-b	os-b, dev-b	c	b	a	dev-c	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
38	os-b, dev-b	os-b, dev-b	c	b	b	dev-c	PEM-a	b	c	c	NA	a	b	d	c	NA	NA	NA	NA
39	os-a, for-b, dev-b	os-b, dev-b	b	b	a	dev-c	PEM-b, PSS-c	b	c	b	NA	b	b	d	c	NA	NA	NA	NA
40	os-b, dev-c	os-b, dev-c	b	a	a	dev-c	PSS-a	b	a	c	NA	c	a	d	a	c	b	c	NA
41	os-a, dev-c	dev-c	c	b	a	dev-c	PSS-a	b	a	c	NA	c	b	d	c	NA	NA	NA	NA
42	os-c, for-b, dev-b	os-c, for-b, dev-b	b	a	a	dev-c	PEM-b, PSS-b	b	a	b	NA	a	a	d	a	b	b	b	NA

General Assessment Questions #15-33

Unit #	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
43	ag-c, dev-b, os-b	ag-c, os-b, for-b	a	a	a	ag-b, dev-c	PEM-b, PSS-d,	a	c	a	NA	a	a	d	a	b	a	b	b
44	os-b, ag-b, dev-b	os-b, ag-b, dev-b	b	a	b	dev-c	PEM-b, PFO-c	b	c	b	NA	b	a	d	b	b	b	c	b
45	dev-c, os-b	dev-c, os-b	b	b	b	dev-c	PEM-a	b	c	c	NA	c	b	d	c	NA	NA	NA	NA
46	os-b, ag-b, dev-b	os-c, dev-a	a	a	a	dev-c, ag-b	PEM-a	b	c	b	NA	a	a	d	a	b	a	b	NA

General Assessment Questions #34-42

Unit #	34	35	36	37	38	39	40	41	42
1	c	c	a	a - Ponded year round and next to creek, drift lines, algal	c	a	b	c	b - Busy road
2	NA	NA	b	c	a	NA	NA	c	b - Busy road
3	NA	NA	c	c	a	NA	NA	c	b - Busy road
4	NA	NA	b	a - Designated detention pond	a	NA	NA	a	b - Steep embankment
5	NA	NA	b	c	c	NA	a	c	a
6	a	c	b	a - Portion of wetland is a detention pond	a	NA	a	c	a
7	NA	NA	c	b	a	NA	NA	c	b - Busy road, steep embankments
8	NA	NA	b	c	a	NA	NA	c	b - Busy road, steep embankment
9	NA	NA	b	c	b	NA	NA	c	a
10	NA	NA	b	c	c	a	b	c	b - Busy road
11	NA	NA	b	c	c	NA	NA	c	b - Busy road
12	NA	NA	b	c	c	NA	NA	c	b - Busy road
13	NA	NA	b	c	c	NA	NA	c	a
14	NA	NA	b	c	c	NA	NA	c	a
15	NA	NA	b	c	c	NA	NA	c	a
16	NA	NA	b	c	c	NA	NA	c	a
17	NA	NA	b	c	b	NA	NA	c	a
18	NA	NA	a	a - Ponding observed	b	c	a	a	a
19	NA	NA	c	a - Ponding observed	c	NA	NA	c	b - Steep embankment
20	NA	NA	b	c	c	NA	NA	c	b - No buffer or sidewalk exists
21	NA	NA	b	c	c	NA	NA	c	b - No buffer or sidewalk

General Assessment Questions #34-42

Unit #	34	35	36	37	38	39	40	41	42
22	NA	NA	b	c	c	NA	NA	c	a
23	NA	NA	a	c	a	c	a	c	a
24	NA	NA	b	c	c	NA	NA	c	a
25	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
26	NA	NA	b	c	c	NA	NA	c	a
27	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
28	NA	NA	b	c	c	NA	NA	c	b - no sidewalk
29	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
30	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
31	NA	NA	b	c	c	NA	NA	c	a
32	NA	NA	b	c	c	NA	NA	c	b - Busy road, no sidewalk
33	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
34	NA	NA	a	c	c	a	a	c	b - No sidewalk
35	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
36	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
37	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
38	NA	NA	b	c	c	NA	NA	c	b - No sidewalk
39	NA	NA	b	b	b	NA	NA	c	b - No sidewalk
40	NA	NA	a	b	b	b	a	c	b - No sidewalk
41	NA	NA	b	b	a	NA	NA	c	b - Remnant industrial buildings and materials
42	NA	NA	a	b	c	a	a	c	b - No sidewalk

General Assessment Questions #34-42

Unit #	34	35	36	37	38	39	40	41	42
43	b	c	b	b	c	NA	NA	c	b - No sidewalk
44	b	c	a	a - Aerial showing ponding	b	a	b	a	b - No sidewalk
45	NA	NA	c	c	c	NA	NA	c	a
46	NA	NA	b	b	c	NA	NA	c	b - No sidewalk, busy road

General Assessment Questions #43-49

Unit #	43	44	45	46	47	48	49
1	a - Agricultural land, stream	a	a	a - Sidewalk	c	c	a
2	a - Forest and agricultural land contiguous and adjacent	b	a	a - Sidewalk	c	c	c
3	a - Agricultural land	b	a	a - Sidewalk	c	c	c
4	a - Stream adjacent	a	a	a - Trails, street parking	c	a	a
5	a - Stream, agricultural land	a	a	a - Sidewalk	c	a	a
6	b	a	a	a - Sidewalk	c	c	c
7	b	b	b - Busy road	c	c	c	b
8	a - Agricultural land, stream	c	b - Busy road	c	c	c	a
9	a - Forest and agricultural land	c	b - Private property	c	c	c	a
10	a - Agricultural land	c	b - Private land, agricultural field	c	c	c	b
11	a - Agricultural land	b	b - No sidewalk	c	c	c	b
12	a - Stream	b	b - No sidewalk	c	c	c	a
13	a - Agricultural land	c	b - Private properties	c	c	c	b
14	b	b	a	a - Sidewalk	c	c	b
15	b	a	a	a - Sidewalk	c	c	b
16	b	b	a	a - Sidewalk	c	c	b
17	b	a	a	a - Sidewalk	c	c	a
18	a - Stream	a	a	a - Sidewalk	c	c	a
19	a - Rickreall Creek	a	b - Topography	b - Rickreall Creek	b	c	a
20	a - Agriculture land, stream	c	b - Private property, agricultural land	c	c	c	c
21	a - Agriculture land, stream	c	b - Private property, agricultural land	c	c	c	c

General Assessment Questions #43-49

Unit #	43	44	45	46	47	48	49
22	b	c	b - Private property, fenced	a - Sidewalk	c	c	c
23	b	a	a	a - Sidewalk	c	c	a
24	a - Agricultural land	b	a	a - Sidewalk	c	c	c
25	a - Agricultural land, stream	c	b - Topography	c	c	c	c
26	a - Agricultural land	b	a	a - Sidewalk	c	c	c
27	a - Agricultural land, stream	c	b - Private property, topography	c	c	c	a
28	a - Agricultural land, stream	c	b - Private property, topography	c	c	c	c
29	a - Agrigultural land, forest land	c	b - Private property, topography	c	c	c	c
30	a - Agricultural land	c	b - Private property, buildings	c	c	c	c
31	a - Agricultural land, stream	b	a	a - Sidewalk	c	c	a
32	b	a	b - Busy road, unimproved roads	b - Unmaintained road	c	c	c
33	b	a	b - Busy road, unimproved roads	b - Unmaintained road	c	c	c
34	a - Agricultural land, stream	b	b - Unimproved roads	b - Unmaintained road	c	c	a
35	b	b	b - No sidewalk	b - Unmaintained road	c	c	c
36	b	b	b - No sidewalk	b - Unmaintained road	c	c	c
37	b	b	b - No sidewalk	b - Unmaintained road	c	c	c
38	b	b	b - No sidewalk	b - Unmaintained road	c	c	c
39	b	b	b - No sidewalk	b - Residential street	c	c	c
40	a - Stream	a	b - No sidewalk	b - Residential street	c	c	a
41	b	c	b - Private property, industrial land	c	c	c	c
42	a - Agricultural and forested land	c	b - Topography	c	c	c	a

General Assessment Questions #43-49

Unit #	43	44	45	46	47	48	49
43	a - Stream, ponds, forest and agricultural land	a	b - No sidewalk, topography	c	c	c	a
44	a - Stream, ponds, agricultural land	a	b - Topography	a - Public cemetery	c	c	a
45	a - Stream	a	b - No sidewalk	a - Wetland can be viewed from residential street	c	c	c
46	a - Stream, agricultural land	a	b - No sidewalk	b - County road	c	c	a

General Assessment Questions #50-58

Unit #	50	51	52	53	54	55	56	57	58
1	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	b
2	b	NA	b	b	NA	a	b	c - Wetland can be viewed from residential street	c
3	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
4	b	NA	a	b	NA	a	b	a - Open space, unobstructed view	c
5	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
6	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
7	b	NA	c	b	NA	a	c	a - Wetland can be viewed from residential street	c
8	b	NA	a	b	NA	a	c	c - Obstructed by topography	c
9	b	NA	a	b	NA	a	a	a - Wetland can be viewed from residential street	b
10	b	NA	b	b	NA	a	c	c - View obstructed by private residence and agricultural land	c
11	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
12	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
13	b	NA	a	b	NA	a	a	c - Obstructed by development	c
14	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
15	b	NA	b	b	NA	a	a	a - Wetland can be viewed from residential street	c
16	b	NA	b	b	NA	a	a	a - Wetland can be viewed from residential street	c
17	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	b
18	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
19	b	NA	a	b	NA	a	a	a - Wetland can be viewed from Rickreall Creek	c
20	b	NA	b	b	NA	a	a	c - Too far from viewing area	c
21	b	NA	b	b	NA	a	a	c - Too far from viewing area	c

General Assessment Questions #50-58

Unit #	50	51	52	53	54	55	56	57	58
22	b	NA	b	b	NA	a	b	c - Obstructed view by fence	c
23	b	NA	b	b	NA	a	a	a - Wetland can be viewed from residential street	c
24	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
25	b	NA	a	b	NA	a	a	c - Obstructed by railroad, private property	b
26	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
27	b	NA	b	b	NA	a	a	c - Obstructed by private properties, buildings	c
28	b	NA	b	b	NA	a	a	c - Obstructed by private property	c
29	b	NA	b	b	NA	a	a	c - Obstructed by private properties, buildings	c
30	b	NA	b	b	NA	a	a	c - Obstructed by private property, buildings	c
31	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	c
32	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
33	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
34	b	NA	a	b	NA	a	b	a - Wetland can be viewed from residential street	b
35	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
36	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
37	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
38	b	NA	b	b	NA	a	c	a - Wetland can be viewed from residential street	c
39	b	NA	b	b	NA	a	b	a - Wetland can be viewed from residential street	b
40	b	NA	c	a	b	a	b	b	c
41	b	NA	c	a	b	a	b	c	c
42	b	NA	a	b	NA	a	a	c	b

General Assessment Questions #50-58

Unit #	50	51	52	53	54	55	56	57	58
43	b	NA	b	b	NA	a	a	a	a
44	b	NA	b	b	NA	a	b	a	b
45	b	NA	b	b	NA	a	a	a	c
46	b	NA	a	b	NA	a	b	a	c

APPENDIX F:

OFWAM Wetland Assessment Results

Wildlife Habitat

	Questions									
Unit #	1	2	3	4	5	6	7	8	9	Assessment Descriptor
1	a	c	b	c	a	a	c	b	b	Wetland provides habitat for some species
2	a	c	c	b	b	b	c	a	c	Wetland provides habitat for some species
3	c	c	c	c	a	b	c	b	c	Wetland provides habitat for some species
4	c	b	c	c	a	a	c	a	c	Wetland provides habitat for some species
5	b	c	c	c	a	a	c	b	a	Wetland provides habitat for some species
6	a	c	c	c	a	a	c	c	c	Wetland provides habitat for some species
7	c	a	c	c	c	c	c	c	c	Wetland provides habitat for some species
8	c	c	c	c	a	a	c	b	a	Wetland provides habitat for some species
9	a	c	b	c	a	a	c	a	a	Wetland provides habitat for some species
10	c	c	c	c	b	b	c	c	b	Wetland provides habitat for some species
11	c	c	c	c	b	b	c	c	b	Wetland provides habitat for some species
12	c	c	c	c	b	b	c	c	c	Wetland provides habitat for some species
13	c	c	c	c	b	b	c	c	a	Wetland provides habitat for some species
14	c	c	c	c	c	c	c	c	c	Wetland's wildlife habitat function is lost
15	c	c	c	c	b	b	c	b	a	Wetland provides habitat for some species
16	c	c	c	c	b	b	c	c	c	Wetland provides habitat for some species
17	a	c	b	c	a	a	c	c	b	Wetland provides habitat for some species
18	c	a	c	c	a	a	c	c	b	Wetland provides habitat for some species
19	b	a	c	c	a	a	c	a	a	Wetland provides habitat for some species
20	c	c	c	c	b	b	c	b	c	Wetland provides habitat for some species
21	c	c	c	c	b	b	c	b	c	Wetland provides habitat for some species
22	c	c	c	c	c	b	c	c	c	Wetland provides habitat for some species
23	c	a	c	c	a	a	c	c	c	Wetland provides habitat for some species
24	c	c	c	c	b	b	c	b	c	Wetland provides habitat for some species
25	a	a	b	c	b	b	c	a	a	Wetland provides habitat for some species
26	c	c	c	c	b	b	c	b	c	Wetland provides habitat for some species
27	c	c	c	c	a	a	c	b	b	Wetland provides habitat for some species
28	c	c	c	c	b	b	c	b	c	Wetland provides habitat for some species
29	c	c	c	c	b	b	c	a	a	Wetland provides habitat for some species
30	c	c	c	c	b	b	c	a	a	Wetland provides habitat for some species
31	c	c	c	c	b	b	c	c	a	Wetland provides habitat for some species
32	c	c	c	c	b	b	c	c	b	Wetland provides habitat for some species
33	c	c	c	c	b	b	c	c	c	Wetland provides habitat for some species
34	a	c	c	c	a	a	c	a	a	Wetland provides habitat for some species
35	c	c	c	c	b	b	c	a	a	Wetland provides habitat for some species
36	c	c	c	c	b	b	c	a	a	Wetland provides habitat for some species
37	c	c	c	c	b	b	c	a	a	Wetland provides habitat for some species
38	c	c	c	c	b	b	c	a	a	Wetland provides habitat for some species
39	a	c	b	c	b	b	c	c	b	Wetland provides habitat for some species
40	c	a	c	c	a	a	c	c	c	Wetland provides habitat for some species
41	c	a	c	c	b	b	c	c	c	Wetland provides habitat for some species

	Questions									
Unit #	1	2	3	4	5	6	7	8	9	Assessment Descriptor
42	a	c	b	c	a	a	c	a	a	Wetland provides habitat for some species
43	a	c	a	c	a	a	c	b	a	Wetland provides habitat for some species
44	a	c	b	c	a	a	c	a	b	Wetland provides habitat for some species
45	c	c	c	c	b	b	c	c	c	Wetland provides habitat for some species
46	c	c	b	c	a	a	c	a	a	Wetland provides habitat for some species

Fish Habitat

	Questions							
Unit #	Habitat Type	1	2	3	4	5	6	Assessment Descriptor
1	Streams	b	a	b	c	b	a	Fish Habitat is impacted
2		NA	NA	NA	NA	NA	NA	Fish habitat is not present
3		NA	NA	NA	NA	NA	NA	Fish habitat is not present
4		NA	NA	NA	NA	NA	NA	Fish habitat is not present
5	Streams	a	a	b	c	b	a	Fish habitat is intact
6	Streams	c	c	c	c	c	c	Fish habitat is not present
7		NA	NA	NA	NA	NA	NA	Fish habitat is not present
8		NA	NA	NA	NA	NA	NA	Fish habitat is not present
9	Streams	b	a	b	c	a	a	Fish habitat is intact
10		NA	NA	NA	NA	NA	NA	Fish habitat is not present
11		NA	NA	NA	NA	NA	NA	Fish habitat is not present
12		NA	NA	NA	NA	NA	NA	Fish habitat is not present
13		NA	NA	NA	NA	NA	NA	Fish habitat is not present
14		NA	NA	NA	NA	NA	NA	Fish habitat is not present
15		NA	NA	NA	NA	NA	NA	Fish habitat is not present
16		NA	NA	NA	NA	NA	NA	Fish habitat is not present
17		NA	NA	NA	NA	NA	NA	Fish habitat is not present
18	Streams	a	b	c	c	c	a	Fish Habitat is impacted
19	Streams	a	a	b	c	a	a	Fish habitat is intact
20		NA	NA	NA	NA	NA	NA	Fish habitat is not present
21		NA	NA	NA	NA	NA	NA	Fish habitat is not present
22		NA	NA	NA	NA	NA	NA	Fish habitat is not present
23		NA	NA	NA	NA	NA	NA	Fish habitat is not present
24		NA	NA	NA	NA	NA	NA	Fish habitat is not present
25		NA	NA	NA	NA	NA	NA	Fish habitat is not present
26		NA	NA	NA	NA	NA	NA	Fish habitat is not present
27	Streams	b	b	c	c	b	a	Fish Habitat is impacted
28		NA	NA	NA	NA	NA	NA	Fish habitat is not present
29		NA	NA	NA	NA	NA	NA	Fish habitat is not present
30		NA	NA	NA	NA	NA	NA	Fish habitat is not present
31	Streams	b	b	c	c	c	a	Fish Habitat is impacted
32		NA	NA	NA	NA	NA	NA	Fish habitat is not present
33		NA	NA	NA	NA	NA	NA	Fish habitat is not present
34	Streams	a	b	c	c	a	a	Fish Habitat is impacted
35		NA	NA	NA	NA	NA	NA	Fish habitat is not present
36		NA	NA	NA	NA	NA	NA	Fish habitat is not present
37		NA	NA	NA	NA	NA	NA	Fish habitat is not present
38		NA	NA	NA	NA	NA	NA	Fish habitat is not present
39		NA	NA	NA	NA	NA	NA	Fish habitat is not present
40	Streams	b	c	c	c	c	a	Fish Habitat is impacted
41		NA	NA	NA	NA	NA	NA	Fish habitat is not present

	Questions							
Unit #	Habitat Type	1	2	3	4	5	6	Assessment Descriptor
42	Streams	b	b	b	c	a	a	Fish Habitat is impacted
43	Streams	a	b	b	c	b	a	Fish Habitat is impacted
44	Streams	b	b	c	c	a	b	Fish Habitat is impacted
45		NA	NA	NA	NA	NA	NA	Fish habitat is not present
46	Streams	a	b	b	c	a	a	Fish habitat is intact

Water Quality

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
1	a	a	a	a	b	c	Wetland's water quality function is impacted
2	b	c	a	a	c	c	Wetland's water quality function is impacted
3	c	c	a	b	b	c	Wetland's water quality function is impacted
4	b	a	a	b	c	c	Wetland's water quality function is impacted
5	b	c	a	b	b	c	Wetland's water quality function is impacted
6	b	a	a	b	a	c	Wetland's water quality function is impacted
7	c	b	a	c	a	c	Wetland's water quality function is impacted
8	b	c	a	b	b	c	Wetland's water quality function is impacted
9	b	c	a	b	c	c	Wetland's water quality function is impacted
10	b	c	a	c	a	c	Wetland's water quality function is impacted
11	b	c	a	b	a	c	Wetland's water quality function is impacted
12	b	c	a	c	a	c	Wetland's water quality function is impacted
13	b	c	a	a	a	c	Wetland's water quality function is impacted
14	b	c	a	b	b	c	Wetland's water quality function is impacted
15	b	c	a	a	a	c	Wetland's water quality function is impacted
16	b	c	a	c	a	c	Wetland's water quality function is impacted
17	b	c	a	b	a	c	Wetland's water quality function is impacted
18	a	a	a	b	a	c	Wetland's water quality function is impacted
19	c	a	a	b	b	c	Wetland's water quality function is impacted
20	b	c	a	b	b	c	Wetland's water quality function is impacted
21	b	c	a	b	b	c	Wetland's water quality function is impacted
22	b	c	a	c	a	c	Wetland's water quality function is impacted
23	a	c	a	b	a	c	Wetland's water quality function is impacted
24	b	c	a	b	b	c	Wetland's water quality function is impacted
25	b	c	b	b	c	c	Wetland's water quality function is impacted
26	b	c	a	b	b	c	Wetland's water quality function is impacted
27	b	c	a	b	b	c	Wetland's water quality function is impacted
28	b	c	a	b	b	c	Wetland's water quality function is impacted
29	b	c	a	b	c	c	Wetland's water quality function is impacted
30	b	c	a	b	c	c	Wetland's water quality function is impacted
31	b	c	a	b	a	c	Wetland's water quality function is impacted
32	b	c	a	c	a	c	Wetland's water quality function is impacted
33	b	c	a	c	a	c	Wetland's water quality function is impacted
34	a	c	b	b	c	c	Wetland's water quality function is impacted
35	b	c	a	c	c	c	Wetland's water quality function is lost
36	b	c	a	c	c	c	Wetland's water quality function is lost
37	b	c	a	c	c	c	Wetland's water quality function is lost
38	b	c	a	c	c	c	Wetland's water quality function is lost
39	b	b	b	b	c	c	Wetland's water quality function is impacted
40	a	b	a	b	a	c	Wetland's water quality function is impacted
41	b	b	a	c	a	c	Wetland's water quality function is impacted

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
42	a	b	b	b	c	c	Wetland's water quality function is impacted
43	b	b	b	a	b	c	Wetland's water quality function is impacted
44	a	a	b	b	c	c	Wetland's water quality function is impacted
45	c	c	a	b	a	c	Wetland's water quality function is impacted
46	b	b	a	a	c	c	Wetland's water quality function is impacted

Hydrologic Control

	Questions							
Unit #	1	2	3	4	5	6	7	Assessment Descriptor
1	b	a	a	c	c	a	c	Wetland's hydrologic control function is impacted
2	b	c	a	a	c	a	c	Wetland's hydrologic control function is impacted
3	b	c	b	a	c	a	c	Wetland's hydrologic control function is impacted
4	b	a	c	a	b	a	c	Wetland's hydrologic control function is impacted
5	b	c	b	c	c	b	c	Wetland's hydrologic control function is lost
6	b	a	c	a	c	a	c	Wetland's hydrologic control function is impacted
7	b	b	c	a	a	a	c	Wetland's hydrologic control function is impacted
8	b	c	c	a	c	b	c	Wetland's hydrologic control function is lost
9	b	c	b	b	c	c	c	Wetland's hydrologic control function is lost
10	b	c	c	c	c	a	c	Wetland's hydrologic control function is lost
11	b	c	b	c	c	a	c	Wetland's hydrologic control function is lost
12	b	c	c	c	c	c	c	Wetland's hydrologic control function is lost
13	b	c	a	c	c	b	c	Wetland's hydrologic control function is lost
14	b	c	b	c	c	a	c	Wetland's hydrologic control function is lost
15	b	c	a	c	c	c	c	Wetland's hydrologic control function is lost
16	b	c	c	c	c	a	c	Wetland's hydrologic control function is lost
17	b	c	b	b	c	a	c	Wetland's hydrologic control function is impacted
18	b	a	b	b	a	b	c	Wetland's hydrologic control function is impacted
19	a	a	c	c	a	c	c	Wetland's hydrologic control function is lost
20	b	c	b	c	c	b	c	Wetland's hydrologic control function is lost
21	b	c	b	c	c	b	c	Wetland's hydrologic control function is lost
22	b	c	c	c	c	a	c	Wetland's hydrologic control function is lost
23	b	c	b	a	a	b	c	Wetland's hydrologic control function is impacted
24	a	c	b	c	c	a	c	Wetland's hydrologic control function is lost
25	b	c	b	c	a	a	c	Wetland's hydrologic control function is impacted
26	b	c	b	c	c	c	c	Wetland's hydrologic control function is lost
27	a	c	b	c	c	a	c	Wetland's hydrologic control function is lost
28	a	c	b	c	c	a	c	Wetland's hydrologic control function is lost
29	b	c	b	c	c	a	c	Wetland's hydrologic control function is lost
30	b	c	b	c	c	a	c	Wetland's hydrologic control function is lost
31	b	c	b	c	c	a	c	Wetland's hydrologic control function is lost
32	a	c	c	c	c	a	c	Wetland's hydrologic control function is lost
33	b	c	c	c	c	a	c	Wetland's hydrologic control function is lost
34	b	c	b	c	c	c	c	Wetland's hydrologic control function is lost
35	a	c	c	c	c	c	c	Wetland's hydrologic control function is lost
36	a	c	c	c	c	c	c	Wetland's hydrologic control function is lost
37	a	c	c	c	c	c	c	Wetland's hydrologic control function is lost
38	b	c	c	c	c	c	c	Wetland's hydrologic control function is lost
39	a	b	b	b	c	c	c	Wetland's hydrologic control function is impacted
40	a	b	b	b	a	a	c	Wetland's hydrologic control function is impacted
41	a	b	c	a	a	a	c	Wetland's hydrologic control function is intact

	Questions							
Unit #	1	2	3	4	5	6	7	Assessment Descriptor
42	a	b	b	c	a	c	c	Wetland's hydrologic control function is impacted
43	a	b	a	c	c	b	c	Wetland's hydrologic control function is impacted
44	b	a	b	b	c	c	c	Wetland's hydrologic control function is impacted
45	b	c	b	c	c	a	c	Wetland's hydrologic control function is lost
46	a	b	a	c	c	c	c	Wetland's hydrologic control function is lost

Sensitivity to Future Impacts

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
1	b	a	c	b	a	c	Wetland is potentially sensitive to future impacts
2	a	b	c	c	a	c	Wetland is potentially sensitive to future impacts
3	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
4	a	a	c	c	a	b	Wetland is potentially sensitive to future impacts
5	a	a	c	b	a	c	Wetland is potentially sensitive to future impacts
6	a	a	c	a	a	c	Wetland is potentially sensitive to future impacts
7	a	b	c	a	a	a	Wetland is potentially sensitive to future impacts
8	a	a	c	b	a	c	Wetland is potentially sensitive to future impacts
9	a	a	c	c	a	c	Wetland is potentially sensitive to future impacts
10	b	b	c	a	a	c	Wetland is potentially sensitive to future impacts
11	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
12	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
13	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
14	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
15	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
16	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
17	a	a	c	a	a	c	Wetland is potentially sensitive to future impacts
18	a	a	c	a	a	a	Wetland is potentially sensitive to future impacts
19	a	a	c	b	a	a	Wetland is potentially sensitive to future impacts
20	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
21	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
22	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
23	a	a	c	a	a	a	Wetland is potentially sensitive to future impacts
24	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
25	a	b	c	c	a	a	Wetland is potentially sensitive to future impacts
26	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
27	a	a	c	b	a	c	Wetland is potentially sensitive to future impacts
28	a	b	c	b	a	c	Wetland is potentially sensitive to future impacts
29	a	b	c	c	c	c	Wetland is potentially sensitive to future impacts
30	a	b	c	c	c	c	Wetland is potentially sensitive to future impacts
31	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
32	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
33	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
34	a	a	c	c	a	c	Wetland is potentially sensitive to future impacts
35	a	b	c	c	a	c	Wetland is potentially sensitive to future impacts
36	a	b	c	c	a	c	Wetland is potentially sensitive to future impacts
37	a	b	c	c	a	c	Wetland is potentially sensitive to future impacts
38	a	b	c	c	a	c	Wetland is potentially sensitive to future impacts
39	a	b	c	c	a	c	Wetland is potentially sensitive to future impacts
40	a	a	c	a	a	a	Wetland is potentially sensitive to future impacts
41	a	b	c	a	a	a	Wetland is potentially sensitive to future impacts

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
42	a	a	c	c	a	a	Wetland is potentially sensitive to future impacts
43	a	a	c	b	a	c	Wetland is potentially sensitive to future impacts
44	a	a	c	c	a	c	Wetland is potentially sensitive to future impacts
45	a	b	c	a	a	c	Wetland is potentially sensitive to future impacts
46	a	a	c	c	a	c	Wetland is potentially sensitive to future impacts

Enhancement Potential

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
1	a	a	na	a	b	b	Wetland has high enhancement potential
2	b	b	na	a	c	b	Wetland has moderate enhancement potential
3	b	c	na	b	c	b	Wetland has little enhancement potential
4	b	b	na	c	c	b	Wetland has little enhancement potential
5	b	b	na	b	a	b	Wetland has moderate enhancement potential
6	b	b	na	c	c	b	Wetland has little enhancement potential
7	b	c	na	c	c	b	Wetland has little enhancement potential
8	b	b	na	c	a	b	Wetland has moderate enhancement potential
9	b	b	na	b	a	b	Wetland has moderate enhancement potential
10	b	b	na	c	b	b	Wetland has moderate enhancement potential
11	b	b	na	b	b	b	Wetland has moderate enhancement potential
12	b	b	na	c	c	b	Wetland has little enhancement potential
13	b	b	na	a	a	b	Wetland has moderate enhancement potential
14	b	b	na	b	c	b	Wetland has moderate enhancement potential
15	b	b	na	a	a	b	Wetland has moderate enhancement potential
16	b	b	na	c	c	b	Wetland has little enhancement potential
17	b	b	na	b	b	b	Wetland has moderate enhancement potential
18	a	a	na	b	b	b	Wetland has high enhancement potential
19	b	c	na	c	a	b	Wetland has little enhancement potential
20	b	b	na	b	c	b	Wetland has moderate enhancement potential
21	b	b	na	b	c	b	Wetland has moderate enhancement potential
22	b	b	na	c	c	b	Wetland has little enhancement potential
23	b	a	na	b	c	b	Wetland has moderate enhancement potential
24	b	b	na	b	c	b	Wetland has moderate enhancement potential
25	b	b	na	b	a	b	Wetland has moderate enhancement potential
26	b	b	na	b	c	b	Wetland has moderate enhancement potential
27	b	b	na	b	b	b	Wetland has moderate enhancement potential
28	b	b	na	b	c	b	Wetland has moderate enhancement potential
29	b	b	na	b	a	b	Wetland has moderate enhancement potential
30	b	b	na	b	a	b	Wetland has moderate enhancement potential
31	b	b	na	b	a	b	Wetland has moderate enhancement potential
32	b	b	na	c	b	b	Wetland has moderate enhancement potential
33	b	b	na	c	c	b	Wetland has little enhancement potential
34	b	a	na	b	a	b	Wetland has moderate enhancement potential
35	b	b	na	c	a	b	Wetland has moderate enhancement potential
36	b	b	na	c	a	b	Wetland has moderate enhancement potential
37	b	b	na	c	a	b	Wetland has moderate enhancement potential
38	b	b	na	c	a	b	Wetland has moderate enhancement potential
39	b	b	na	b	b	b	Wetland has moderate enhancement potential
40	a	a	na	b	c	b	Wetland has high enhancement potential
41	b	b	na	c	c	b	Wetland has little enhancement potential

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
42	a	a	na	b	a	b	Wetland has high enhancement potential
43	a	b	na	a	a	b	Wetland has high enhancement potential
44	a	a	na	b	b	b	Wetland has high enhancement potential
45	b	c	na	b	c	b	Wetland has little enhancement potential
46	b	b	NA	a	a	b	Wetland has moderate enhancement potential

Education

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
1	c	b	b	a	a	a	Wetland not appropriate for educational use
2	c	b	b	b	a	a	Wetland not appropriate for educational use
3	c	b	b	b	a	a	Wetland not appropriate for educational use
4	a	b	b	a	a	a	Wetland has potential for educational use
5	c	a	a	a	a	a	Wetland not appropriate for educational use
6	c	a	b	a	a	a	Wetland not appropriate for educational use
7	c	b	b	b	c	b	Wetland not appropriate for educational use
8	c	b	b	c	c	b	Wetland not appropriate for educational use
9	c	a	a	c	c	b	Wetland not appropriate for educational use
10	c	b	b	c	c	b	Wetland not appropriate for educational use
11	c	b	b	b	c	b	Wetland not appropriate for educational use
12	c	b	b	b	c	b	Wetland not appropriate for educational use
13	c	a	b	c	c	b	Wetland not appropriate for educational use
14	c	a	c	b	a	a	Wetland not appropriate for educational use
15	c	a	b	a	a	a	Wetland not appropriate for educational use
16	c	a	b	b	a	a	Wetland not appropriate for educational use
17	c	a	b	a	a	a	Wetland not appropriate for educational use
18	a	a	b	a	a	a	Wetland has educational uses
19	c	b	a	a	b	b	Wetland not appropriate for educational use
20	c	b	b	c	c	b	Wetland not appropriate for educational use
21	c	b	b	c	c	b	Wetland not appropriate for educational use
22	c	a	b	c	a	b	Wetland not appropriate for educational use
23	c	a	b	a	a	a	Wetland not appropriate for educational use
24	c	a	b	b	a	a	Wetland not appropriate for educational use
25	c	b	b	c	c	b	Wetland not appropriate for educational use
26	c	a	b	b	a	a	Wetland not appropriate for educational use
27	c	b	b	c	c	b	Wetland not appropriate for educational use
28	c	b	b	c	c	b	Wetland not appropriate for educational use
29	c	b	b	c	c	b	Wetland not appropriate for educational use
30	c	b	b	c	c	b	Wetland not appropriate for educational use
31	c	a	b	b	a	a	Wetland not appropriate for educational use
32	c	b	b	a	b	b	Wetland not appropriate for educational use
33	c	b	b	a	b	b	Wetland not appropriate for educational use
34	c	b	b	b	b	b	Wetland not appropriate for educational use
35	c	b	b	b	b	b	Wetland not appropriate for educational use
36	c	b	b	b	b	b	Wetland not appropriate for educational use
37	c	b	b	b	b	b	Wetland not appropriate for educational use
38	c	b	b	b	b	b	Wetland not appropriate for educational use
39	c	b	b	b	b	b	Wetland not appropriate for educational use
40	c	b	b	a	b	b	Wetland not appropriate for educational use
41	c	b	b	c	c	b	Wetland not appropriate for educational use

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
42	c	b	b	c	c	b	Wetland not appropriate for educational use
43	c	b	b	a	c	b	Wetland not appropriate for educational use
44	a	b	b	a	a	b	Wetland has potential for educational use
45	c	a	b	a	a	b	Wetland not appropriate for educational use
46	c	b	a	a	b	b	Wetland not appropriate for educational use

Recreation

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
1	a	c	c	b	a	b	Wetland has potential to provide recreational opportunities
2	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
3	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
4	a	c	a	b	a	b	Wetland has potential to provide recreational opportunities
5	a	c	a	b	a	b	Wetland has potential to provide recreational opportunities
6	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
7	c	c	c	b	b	b	Wetland does not provide recreational opportunities
8	c	c	c	b	a	b	Wetland does not provide recreational opportunities
9	c	c	c	b	a	b	Wetland does not provide recreational opportunities
10	c	c	c	b	b	b	Wetland does not provide recreational opportunities
11	c	c	c	b	b	b	Wetland does not provide recreational opportunities
12	c	c	c	b	a	b	Wetland does not provide recreational opportunities
13	c	c	c	b	b	b	Wetland does not provide recreational opportunities
14	a	c	c	c	b	b	Wetland has potential to provide recreational opportunities
15	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
16	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
17	a	c	c	b	a	b	Wetland has potential to provide recreational opportunities
18	a	c	c	b	a	b	Wetland has potential to provide recreational opportunities
19	b	b	c	b	a	b	Wetland has potential to provide recreational opportunities
20	c	c	c	b	b	b	Wetland does not provide recreational opportunities
21	c	c	c	b	b	b	Wetland does not provide recreational opportunities
22	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
23	a	c	c	b	a	b	Wetland has potential to provide recreational opportunities
24	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
25	c	c	c	b	b	b	Wetland does not provide recreational opportunities
26	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
27	c	c	c	b	a	b	Wetland does not provide recreational opportunities
28	c	c	c	b	b	b	Wetland does not provide recreational opportunities
29	c	c	c	b	b	b	Wetland does not provide recreational opportunities
30	c	c	c	b	b	b	Wetland does not provide recreational opportunities
31	a	c	c	b	a	b	Wetland has potential to provide recreational opportunities
32	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
33	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
34	b	c	c	b	a	b	Wetland has potential to provide recreational opportunities
35	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
36	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
37	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
38	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
39	b	c	c	b	b	b	Wetland has potential to provide recreational opportunities
40	b	c	c	b	a	b	Wetland has potential to provide recreational opportunities
41	c	c	c	b	b	b	Wetland does not provide recreational opportunities

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
42	c	c	c	b	a	b	Wetland does not provide recreational opportunities
43	c	c	c	b	a	b	Wetland does not provide recreational opportunities
44	a	c	c	b	a	b	Wetland has potential to provide recreational opportunities
45	a	c	c	b	b	b	Wetland has potential to provide recreational opportunities
46	b	c	c	b	a	b	Wetland has potential to provide recreational opportunities

Aesthetic Quality

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
1	b	a	a	b	a	a	Wetland is pleasing
2	c	c	a	b	a	a	Wetland is not pleasing
3	c	a	a	b	a	a	Wetland is moderately pleasing
4	c	a	a	a	a	a	Wetland is moderately pleasing
5	c	a	a	b	a	a	Wetland is moderately pleasing
6	c	a	a	b	a	a	Wetland is moderately pleasing
7	c	a	a	c	a	b	Wetland is not pleasing
8	c	c	a	a	a	b	Wetland is not pleasing
9	b	a	a	a	a	a	Wetland is pleasing
10	c	c	a	b	a	b	Wetland is not pleasing
11	c	a	a	b	a	b	Wetland is moderately pleasing
12	c	a	a	b	a	b	Wetland is moderately pleasing
13	c	c	a	a	a	a	Wetland is not pleasing
14	c	a	a	b	a	a	Wetland is moderately pleasing
15	c	a	a	b	a	a	Wetland is moderately pleasing
16	c	a	a	b	a	a	Wetland is moderately pleasing
17	b	a	a	b	a	a	Wetland is pleasing
18	c	a	a	b	a	a	Wetland is moderately pleasing
19	c	a	a	a	a	a	Wetland is moderately pleasing
20	c	c	a	b	a	a	Wetland is not pleasing
21	c	c	a	b	a	a	Wetland is not pleasing
22	c	c	a	b	a	a	Wetland is not pleasing
23	c	a	a	b	a	a	Wetland is moderately pleasing
24	c	a	a	b	a	a	Wetland is moderately pleasing
25	b	c	a	a	a	a	Wetland is moderately pleasing
26	c	a	a	b	a	a	Wetland is moderately pleasing
27	c	c	a	b	a	a	Wetland is not pleasing
28	c	c	a	b	a	a	Wetland is not pleasing
29	c	c	a	b	a	a	Wetland is not pleasing
30	c	c	a	b	a	a	Wetland is not pleasing
31	c	a	a	b	a	a	Wetland is moderately pleasing
32	c	a	a	b	a	b	Wetland is moderately pleasing
33	c	a	a	b	a	b	Wetland is moderately pleasing
34	b	a	a	a	a	a	Wetland is pleasing
35	c	a	a	b	a	b	Wetland is moderately pleasing
36	c	a	a	b	a	b	Wetland is moderately pleasing
37	c	a	a	b	a	b	Wetland is moderately pleasing
38	c	a	a	b	a	b	Wetland is moderately pleasing
39	b	a	a	b	a	a	Wetland is pleasing
40	c	b	c	c	a	a	Wetland is not pleasing
41	c	c	c	c	a	a	Wetland is not pleasing

	Questions						
Unit #	1	2	3	4	5	6	Assessment Descriptor
42	b	c	a	a	a	a	Wetland is moderately pleasing
43	a	a	a	b	a	a	Wetland is pleasing
44	b	a	a	b	a	a	Wetland is pleasing
45	c	a	a	b	a	a	Wetland is moderately pleasing
46	c	a	a	a	a	a	Wetland is moderately pleasing

APPENDIX G:

OFWAM Wetland Function and Condition Summary Sheets

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 1

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Stream is a natural channel	Dominant adjacent land use agriculture
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 5+ acres
Flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
Ponding during growing season	Dominant land has developed uses
Wetland area 5+ acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Unmodified streambank	Dominant land use agriculture
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has high enhancement potential**
Key function is impacted or degraded	Wetland 5+ acres size
Water sources is surface flow	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2 Cowardin classess visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 2

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
0.5-1 acre of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 5+ acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 5+ acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 5+ acres size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 3

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Connected to surface waters	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water source is groundwater	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water sources is precipitation or sheet flow	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 4

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by emergent vegetation and ponding	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Connected to surface waters	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
Flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation and ponding dominant in wetland
Ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation or wet meadow
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland has potential for educational use**
Open to the public	Public access exists or can be created
1-2 visible hazards to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
Developed trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Naturally landscaped
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 5

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 5+ species	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish habitat is intact**
Stream shaded >75%	1+ adjacent reaches are water quality limited
Stream is a natural channel	Dominant adjacent land use agriculture
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use agriculture
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Diverse wildlife habitat or fish habitat intact	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
Developed trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 6

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Connected to surface waters	
Fish Habitat:	**Fish habitat is not present**
Stream shaded <50%	1+ adjacent reaches are water quality limited
Stream is intensely modified	Dominant adjacent land developed
Instream structures <10%	No fish present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
Flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
Ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 7

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands and no other wetlands within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
No surface water connection	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water source is groundwater	Wetland area <0.5 acres
Unable to determine ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Woody vegetation dominant wetland cover
Unknown ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water sources is precipitation or sheet flow	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Developed with no landscaping
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 8

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use agriculture
Wetland area <0.5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Naturally landscaped
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 9

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish habitat is intact**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Stream is a natural channel	Dominant adjacent land EFU or open space
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area 0.5-5 acres	Dominant land use forested or natural
Outflow of wetland has minor restrictions	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
No visible hazard to the public	No access point exists
Diverse wildlife habitat or fish habitat intact	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2 Cowardin classess visible	Naturally landscaped
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 10

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Unmodified streambank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 11

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 12

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 13

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 5+ acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use agriculture
Wetland area 5+ acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 5+ acres size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
No visible hazard to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Naturally landscaped
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 14

Wildlife Habitat:	**Wetland's wildlife habitat function is lost**
1 Cowardin class w/ 1-5 species	Unconnected wetlands and no other wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
No surface water connection	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
No visible hazard to the public	Maintained public access point
Wildlife and fish habitat are lost	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland's wildlife habitat lost or not present
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 15

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 5+ acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area 5+ acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 5+ acres size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 16

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 17

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Connected to surface waters	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Outflow of wetland has minor restrictions	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2 Cowardin classess visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 18

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded >75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land use agriculture
Instream structures <10%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 0.5-5 acres
Flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Woody vegetation dominant wetland cover
Ponding during growing season	Dominant land use agriculture
Wetland area 0.5-5 acres	Dominant land use forested or natural
Outflow of wetland has minor restrictions	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has high enhancement potential**
Key function is impacted or degraded	Wetland 0.5-5 acres in size
Water sources is surface flow	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland has educational uses**
Open to the public	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 19

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 5+ species	Connected to wetland within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish habitat is intact**
Stream shaded >75%	1+ adjacent reaches are water quality limited
Stream is a natural channel	Dominant adjacent land EFU or open space
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is groundwater	Wetland area 0.5-5 acres
Flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Woody vegetation dominant wetland cover
Ponding during growing season	Dominant land use EFU and open space
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water sources is precipitation or sheet flow	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	Unmaintained public access point
Diverse wildlife habitat or fish habitat intact	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
Boat launch area can be created	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Naturally landscaped
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 20

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use agriculture
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 21

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use agriculture
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 22

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
No surface water connection	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
No visible hazard to the public	Maintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 23

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Connected to surface waters	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Woody vegetation dominant wetland cover
No ponding during growing season	Dominant land use agriculture
Wetland area 0.5-5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water sources is surface flow	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 24

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 25

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Unconnected wetlands within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
Moderate degree of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Woody vegetation dominant wetland cover
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
2 Cowardin classess visible	Naturally landscaped
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 26

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 27

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land use agriculture
Instream structures <10%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 28

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use agriculture
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 29

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use EFU or open space
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 30

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use EFU or open space
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Area landscaped by people
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 31

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land developed
Instream structures <10%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
No visible hazard to the public	Maintained public access point
Habitat for some species	Access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 32

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 33

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 34

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded >75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land EFU or open space
Instream structures <10%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
Moderate degree of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water sources is surface flow	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2 Cowardin classess visible	Naturally landscaped
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 35

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is lost**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 36

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is lost**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 37

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is lost**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 38

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is lost**
Water sources is precipitation	Wetland area <0.5 acres
No flooding or ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land use EFU and open space
Wetland area <0.5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Continuous human noise with natural sound
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 39

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 0.5-5 acres
Unable to determine ponding during growing season	Dominant land use EFU or open space
Moderate degree of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
Unknown ponding during growing season	Dominant land use EFU and open space
Wetland area 0.5-5 acres	Dominant land use forested or natural
Outflow of wetland has minor restrictions	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water source is groundwater	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access but observation can be made
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2 Cowardin classess visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 40

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Stream is intensely modified	Dominant adjacent land developed
Instream structures <10%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 0.5-5 acres
Unable to determine ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Part of wetland located within 100 year floodplain	Woody vegetation dominant wetland cover
Unknown ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Outflow of wetland has minor restrictions	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has high enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water sources is surface flow	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	Unmaintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Developed with no landscaping
25%-50% of wetland is visible to view	Natural pleasant odors
Visual detractors exist and cannot be removed	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 41

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by woody vegetation	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area <0.5 acres
Unable to determine ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is intact**
Part of wetland located within 100 year floodplain	Woody vegetation dominant wetland cover
Unknown ponding during growing season	Dominant land has developed uses
Wetland area <0.5 acres	Dominant land use forested or natural
Waterflow of wetland restricted	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland <0.5 acres in size
Water source is groundwater	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is not pleasing**
1 Cowardin class visible	Developed with no landscaping
<25% of wetland visible to view	Natural pleasant odors
Visual detractors exist and cannot be removed	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 42

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land EFU or open space
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 0.5-5 acres
Unable to determine ponding during growing season	Dominant land use EFU or open space
Moderate degree of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Part of wetland located within 100 year floodplain	Woody vegetation dominant wetland cover
Unknown ponding during growing season	Dominant land use EFU and open space
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant wetland cover type woody vegetation
Enhancement Potential:	**Wetland has high enhancement potential**
Key function is impacted or degraded	Wetland 0.5-5 acres in size
Water sources is surface flow	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	No public access
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
2 Cowardin classess visible	Naturally landscaped
<25% of wetland visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 43

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
High Cowardin class dispersion	Dominant adjacent land use agriculture
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded >75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land use agriculture
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 5+ acres
Unable to determine ponding during growing season	Dominant land use agriculture
Moderate degree of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
Unknown ponding during growing season	Dominant land use agriculture
Wetland area 5+ acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use agriculture
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has high enhancement potential**
Key function is impacted or degraded	Wetland 5+ acres size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	No access point exists
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland does not provide recreational opportunities**
No access point exists	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2+ Cowardin classes visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 44

Wildlife Habitat:	**Wetland provides habitat for some species**
2+ Cowardin class	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat 10%-40%
Connected to surface waters	
Fish Habitat:	**Fish Habitat is impacted**
Stream shaded 50%-75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land EFU or open space
Instream structures <10%	Other species present
Water Quality:	**Wetland's water quality function is impacted**
Water source is surface flow	Wetland area 0.5-5 acres
Flooding or ponding during growing season	Dominant land use EFU or open space
Moderate degree of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is impacted**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
Ponding during growing season	Dominant land use EFU and open space
Wetland area 0.5-5 acres	Dominant land use forested or natural
Outflow of wetland has minor restrictions	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has high enhancement potential**
Key function is impacted or degraded	Wetland 0.5-5 acres in size
Water sources is surface flow	Wetland vegetative border 10%-40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland has potential for educational use**
Open to the public	Public access exists or can be created
1-2 visible hazards to the public	Maintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is pleasing**
2 Cowardin classess visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 45

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Unconnected wetlands within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Low Cowardin class dispersion	Dominant adjacent land developed
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat <10%
Nearest surface water within 1 mile	
Fish Habitat:	**Fish habitat is not present**
Water Quality:	**Wetland's water quality function is impacted**
Water source is groundwater	Wetland area 0.5-5 acres
No flooding or ponding during growing season	Dominant land use developed uses
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Wetland not located in 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
No ponding during growing season	Dominant land has developed uses
Wetland area 0.5-5 acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land has developed uses
Water not taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has little enhancement potential**
Key function is lost or not present	Wetland 0.5-5 acres in size
Water sources is precipitation or sheet flow	Wetland vegetative border < 10%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
No visible hazard to the public	Maintained public access point
Habitat for some species	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Maintained public access point	Wetland provides some wildlife habitat
No boat launch access point	No fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Area landscaped by people
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

OFWAM Functions and Conditions Summary Sheet and Rationale

Assessment Unit # 46

Wildlife Habitat:	**Wetland provides habitat for some species**
1 Cowardin class w/ 1-5 species	Connected to wetland within 3 miles
Dominated by emergent vegetation or wet meadow	1+ upstream reaches are water quality limited
Moderate Cowardin class dispersion	Dominant adjacent land EFU or open space
Less than 0.5 acres of open water	Wetland bordered by upland wildlife habitat >40%
Connected to surface waters	
Fish Habitat:	**Fish habitat is intact**
Stream shaded >75%	1+ adjacent reaches are water quality limited
Portions of stream are modified	Dominant adjacent land EFU or open space
Instream structures 10%-25%	Salmon or sensitive species present
Water Quality:	**Wetland's water quality function is impacted**
Water sources is precipitation	Wetland area 5+ acres
Unable to determine ponding during growing season	Dominant land use EFU or open space
High amount of wetland vegetation cover	No upstream or adjacent reaches are water quality limited
Hydrologic Control:	**Wetland's hydrologic control function is lost**
Part of wetland located within 100 year floodplain	Emergent vegetation or wet meadow dominant cover type
Unknown ponding during growing season	Dominant land use EFU and open space
Wetland area 5+ acres	Dominant land use forested or natural
Wetland outlet has unrestricted flow	
Sensitivity to Future Impacts:	**Wetland is potentially sensitive to future impacts**
Isolated wetland or modified stream bank	Dominant land use is EFU or open space
Water taken from stream	Dominant zoned land use is developed
No upstream or adjacent reaches are water quality limited	Dominant cover type emergent vegetation and ponding
Enhancement Potential:	**Wetland has moderate enhancement potential**
Key function is lost or not present	Wetland 5+ acres size
Water source is groundwater	Wetland vegetative border >40%
	Wetland potentially sensitive to future impacts
Education:	**Wetland not appropriate for educational use**
No access allowed	Public access exists or can be created
1-2 visible hazards to the public	Unmaintained public access point
Diverse wildlife habitat or fish habitat intact	No access for people with limited mobility
Recreation:	**Wetland has potential to provide recreational opportunities**
Unmaintained public access point	Wetland provides some wildlife habitat
No boat launch access point	Fishing is allowed
No trails exist	Hunting is not allowed
Aesthetic Quality:	**Wetland is moderately pleasing**
1 Cowardin class visible	Naturally landscaped
>50% wetland is visible to view	Natural pleasant odors
No visual detractors	Some human noise with natural sounds
Narrative description of overall wetland functions and conditions:	

APPENDIX H:

Locally Significant Wetlands Checklists

Local Wetland Significance Assessment Checklist

Unit #: 1

SIGNIFICANT: **Yes**

Wetland Code(s): 01-01, 01-02, 01-03, 01-04, 01-05, 01-06, 01-07, 01-08

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 2

SIGNIFICANT: **No**

Wetland Code(s): 02-01, 02-02, 02-03

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 3

SIGNIFICANT: **No**

Wetland Code(s): 03-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 4

SIGNIFICANT: **No**

Wetland Code(s): 04-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☑ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 5

SIGNIFICANT: **Yes**

Wetland Code(s): 05-01, 05-02, 05-03

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☑ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☑ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 6

SIGNIFICANT: **No**

Wetland Code(s): 06-01, 06-02, 06-03

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 7

SIGNIFICANT: **No**

Wetland Code(s): 07-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 8

SIGNIFICANT: **No**

Wetland Code(s): 08-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 9

SIGNIFICANT: **Yes**

Wetland Code(s): 09-01, 09-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☑ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☑ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 10

SIGNIFICANT: **No**

Wetland Code(s): 10-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 11

SIGNIFICANT: **No**

Wetland Code(s): 11-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 12

SIGNIFICANT: **No**

Wetland Code(s): 12-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 13

SIGNIFICANT: **No**

Wetland Code(s): 13-01, 13-02, 13-03

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 14

SIGNIFICANT: **No**

Wetland Code(s): 14-01, 14-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 15

SIGNIFICANT: **Yes**

Wetland Code(s): 15-01, 15-02, 15-03

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 16

SIGNIFICANT: **No**

Wetland Code(s): 16-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 17

SIGNIFICANT: **Yes**

Wetland Code(s): 17-01, 17-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 18

SIGNIFICANT: **Yes**

Wetland Code(s): 18-01, 18-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 19

SIGNIFICANT: **Yes**

Wetland Code(s): 19-01, 19-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☑ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☑ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 20

SIGNIFICANT: **No**

Wetland Code(s): 20-01, 20-02, 20-03, 20-04

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 21

SIGNIFICANT: **No**

Wetland Code(s): 21-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 22

SIGNIFICANT: **No**

Wetland Code(s): 22-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 23

SIGNIFICANT: **No**

Wetland Code(s): 23-01, 23-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 24

SIGNIFICANT: **No**

Wetland Code(s): 24-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 25

SIGNIFICANT: **Yes**

Wetland Code(s): 25-01, 25-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 26

SIGNIFICANT: **No**

Wetland Code(s): 26-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 27

SIGNIFICANT: **Yes**

Wetland Code(s): 27-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 28

SIGNIFICANT: **No**

Wetland Code(s): 28-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 29

SIGNIFICANT: **No**

Wetland Code(s): 29-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 30

SIGNIFICANT: **No**

Wetland Code(s): 30-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 31

SIGNIFICANT: **Yes**

Wetland Code(s): 31-01, 31-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 32

SIGNIFICANT: **No**

Wetland Code(s): 32-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 33

SIGNIFICANT: **No**

Wetland Code(s): 33-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 34

SIGNIFICANT: **No**

Wetland Code(s): 34-01, 34-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 35

SIGNIFICANT: **No**

Wetland Code(s): 35-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 36

SIGNIFICANT: **No**

Wetland Code(s): 36-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 37

SIGNIFICANT: **No**

Wetland Code(s): 37-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 38

SIGNIFICANT: **No**

Wetland Code(s): 38-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 39

SIGNIFICANT: **No**

Wetland Code(s): 39-01, 39-02

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 40

SIGNIFICANT: **Yes**

Wetland Code(s): 40-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 41

SIGNIFICANT: **No**

Wetland Code(s): 41-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 42

SIGNIFICANT: **Yes**

Wetland Code(s): 42-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 43

SIGNIFICANT: **Yes**

Wetland Code(s): 43-01, 43-02, 43-03, 43-04, 43-05

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 44

SIGNIFICANT: **Yes**

Wetland Code(s): 44-01, 44-02, 44-03

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 45

SIGNIFICANT: **Yes**

Wetland Code(s): 45-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☐ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☐ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☑ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☐ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

Local Wetland Significance Assessment Checklist

Unit #: 46

SIGNIFICANT: **Yes**

Wetland Code(s): 46-01

"OUT" Test

Wetlands that score "Yes" in any of the following categories do NOT proceed to Section B:

☐ 1. Wetland's ARTIFICIALLY CREATED ENTIRELY FROM UPLAND that are:

(a) created for the purpose of controlling, storing, or maintaining stormwater

(b) active surface mining or active log ponds

(c) ditches without a free and open connection to waters of the state AND without fish

(d) <1 acre and unintentionally created from irrigation leakage or construction activity

(e)created for the purpose of wastewater treatment, stock watering, settling of sediment, cooling industrial water, or as a gold course hazard

☐ 2. Documented as being contaminated by hazardous subsances, materials or wastes

"IN" Test

Wetland's that meet ONE OR MORE of the following criteria are Locally Significant Wetlands:

☑ 3. Wetlands that score the highest rank for ANY of the four ecological functions addressed by OFWAM or equivalent methodology:

- ☐ 3a. Wildlife Habitat
- ☑ 3b. Fish Habitat
- ☐ 3c. Water Quality
- ☐ 3d. Hydrologic Control

☐ 4. Wetland that (1) are rated in either the highest or second highest category for water quality (in OFWAM or equivalent) AND that (2) the wetland is withing one-quarter mile of a water quality listed stream are listed by DEQ

☐ 5. Contains one or more rare wetland plant communities including those listed in the Oregon Natural Heritage Program's CLASSIFICATION AND CATALOG OF NATIVE WETLAND PLANT COMMUNITIES IN OREGON as G1-G3 and S1-S3.

☐ 6. Inhabited by any species listed by the federal or state government as a sensitive, threatened or endangered species in Oregon (unless consultation with the appropriate agency deems the site not important for the maintenance of the species).

☑ 7. Wetland rates in either the highest or second highest category for Fish Habitat or OFWAM and is located adjacent to a stream segment that is mapped by ODFW as habitat for "indigenous anadromous salmonids".

☐ 8. Optional Criterion (at discretion of local government): Wetland represents a locally unique plant community.

☐ 9. Optional Criterion (at discretion of local government): Wetland is publicly owned, rate highest rank for education, and is documented use for educational purposes by school or organization.

APPENDIX I:

Wetland Sample Plot Datasheets

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: OSHER SUSAN RIGGS State: OR Sampling Point: SP 1

Investigators(s): Eric Henning Section, Township, Range: 7.5.29AC 203

Landform (hillslope, terrace, etc): terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9371 Long: 123.3265 Datum: NAV 88

Soil Map Unit Name: 68C Suver silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Cleared due to recent development to the north. Beginning of swale that continues to the southwest.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Quercus garryana, FACU		70	Y	FACU
2					
3					
4					
			70	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		20	Y	FAC
2					
3					
4					
5					
			20	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			0	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	100			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	70	x 4 =	280
UPL species	0	x 5 =	0
Column Totals:	90	(A) (B)	340

Prevalence Index = B/A = **3.8**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-4"	10YR 3/3	100					Silt loam	
4-7"	10YR 3/3	40					Silt loam	
- "	10YR 4/2	40	10YR 4/6	20	C	M	Silty clay loam	
7-16"	10YR 4/2	70	10YR 4/6	30	C	M	Silty clay loam	
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☒ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☒ No ☐ Depth (inches): 6"

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches): 4"

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/3/2019

Applicant/Owner: City of Dallas - Kingsborough Park State: OR Sampling Point: SP 2

Investigators(s): Eric Henning Section, Township, Range: 7.5.29 708

Landform (hillslope, terrace, etc): terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9276 Long: 123.3363 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Swale

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Populus balsamifera, FAC		60	Y	FAC
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			0	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	100			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	60	x 3 =	180
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	60	(A) (B)	180

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: Significant amount of fallin leaves within swale. FAC neutral test

SOIL

Sampling Point: SP 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-12”	10YR 4/2	80	10YR 4/6	20	C	M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☒ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: Angular rock 3"+

Depth (inches): 12"+

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12”
- ☒ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 4"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/3/2019

Applicant/Owner: City of Dallas - Kinsgborough Park State: OR Sampling Point: SP 3

Investigators(s): Eric Henning Section, Township, Range: 7.5.29 708

Landform (hillslope, terrace, etc): detention pond Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9280 Long: 123.3340 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Detention pond

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Juncus effusus, FACW		20	Y	FACW
2	Epilobium ciliatum, FACW		30	Y	FACW
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			50	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	50			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	50	x 2 =	100
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	50	(A) (B)	100

Prevalence Index = B/A = **2.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-3"	10YR 4/2	80	10YR 4/6	20	C	M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☒ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: Rock

Depth (inches): 3"+

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☒ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☒ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 2"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: SAMEROTTE GEORGE C ETAL, TRUST State: OR Sampling Point: SP 4

Investigators(s): Eric Henning Section, Township, Range: 7.5.29AC 201

Landform (hillslope, terrace, etc): swale Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9390 Long: 123.3328 Datum: NAV 88

Soil Map Unit Name: 68C Sulver silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Quercus garryana, FACU		60	Y	FACU
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Juncus patens, FACW		60	Y	FACW
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			60	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	40			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL, FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	60	x 2 =	120
FAC species	0	x 3 =	0
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	120	(A) (B)	360

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks: FAC neutral test

SOIL

Sampling Point: SP 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6”	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
6-16”	10YR 4/2	70	10YR 4/6	30	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☒ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12”
- ☒ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 1"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/3/2019

Applicant/Owner: City of Dallas - Kingsborough Park State: OR Sampling Point: SP 5

Investigators(s): Eric Henning Section, Township, Range: 7.5.29AC 201

Landform (hillslope, terrace, etc): stream Local relief (concave, convex, none): Concave Slope (%):

Subregion (LRR): A Lat: 44.9280 Long: 123.3340 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☐ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Populus balsamifera, FAC		60	Y	FAC
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Crataegus douglasii, FAC		20	Y	FAC
2	Salix lasiandra, FACW		20	Y	FACW
3					
4					
5					
			40	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Oenanthe sarmentosa, OBL		10	Y	OBL
2	Carex obnupta, OBL		20	Y	OBL
3	Juncus effusus, FACW		20	Y	FACW
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			50	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	50			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	6	(A)
Total Number of Dominant Species Across All Strata:	6	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	30	x 1=	30
FACW species	40	x 2 =	80
FAC species	80	x 3 =	240
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	150	(A) (B)	350

Prevalence Index = B/A = **2.3**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-2"	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: Cobble 1"+

Depth (inches): 2"+

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☒ Water Marks (B1)
- ☒ Sediment Deposits (B2)
- ☒ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☒ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☒ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 2"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: FLETCHER ROGER L & SUE M State: OR Sampling Point: SP 6

Investigators(s): Eric Henning Section, Township, Range: 7.5.26CC 1400

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9245 Long: 123.2798 Datum: NAV 88

Soil Map Unit Name: 77A Woodburn silt loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Mowed area

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		60	Y	FAC
2	Lolium perenne, FAC		40	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	300

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6”	10YR 3/2	80	7.5YR 4/6	20	C	PL/M	Silty clay loam	
6-16”	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: FLETCHER ROGER L & SUE M State: OR Sampling Point: SP 7

Investigators(s): Eric Henning Section, Township, Range: 7.5.26CC 1400

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9276 Long: 123.2696 Datum: NAV 88

Soil Map Unit Name: 67C Stiewer silt loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		70	Y	FAC
2	Hypochaeris radicata, FACU		20	Y	FACU
3	Achillea millefolium, FACU		10	N	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	70	x 3 =	210
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	330

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

1- Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤ 3.0[1]

4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

5 - Wetland Non-Vascular Plants[1]

Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: FLETCHER ROGER L & SUE M State: OR Sampling Point: SP 8

Investigators(s): Eric Henning Section, Township, Range: 7.5.26CC 905

Landform (hillslope, terrace, etc): drainage ditch Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9276 Long: 123.2696 Datum: NAV 88

Soil Map Unit Name: 67C Steiwer silt loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Channel width ~4'

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rosa nutkana, FAC		20	Y	FAC
2					
3					
4					
5					
			20	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Typha latifolia, OBL		60	Y	OBL
2	Juncus effusus, FACW		20	Y	FACW
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	60	x 1=	60
FACW species	20	x 2 =	40
FAC species	20	x 3 =	60
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	160

Prevalence Index = B/A = **1.6**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	Gley1 3/10Y	80	7.5YR 3/6	20	C	M	Silty clay	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☒ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☒ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☒ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 3"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/10/2019

Applicant/Owner: COBURN MICHELE State: OR Sampling Point: SP 9

Investigators(s): Eric Henning Section, Township, Range: 7.5.26CC 600

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9276 Long: 123.2696 Datum: NAV 88

Soil Map Unit Name: 67C Steiwer silt loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Mowed backyard

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		30	Y	FAC
2					
3					
4					
5					
			30	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		60	Y	FAC
2	Lolium perenne, FAC		40	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	130	x 3 =	390
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	130	(A) (B)	390

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: GAGE SCOTT D ETAL, RVC LVG TRUST State: OR Sampling Point: SP 10

Investigators(s): Eric Henning Section, Township, Range: 7.5.29CC 1300

Landform (hillslope, terrace, etc): swale Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9280 Long: 123.3340 Datum: NAV 88

Soil Map Unit Name: McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Swale has a layer of woodchips

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Populus balsamifera, FAC		30	Y	FAC
2	Fraxinus latifolia, FACW		30	Y	FACW
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Camassia quamash, FACW		20	Y	FACW
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			20	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	80			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	50	x 2 =	100
FAC species	30	x 3 =	90
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	190

Prevalence Index = B/A = **2.4**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	80	10YR 5/8	20	C	PL/M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☒ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: ROHDE RICHARD A & SUZANNE J State: OR Sampling Point: SP 11

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BD 2800

Landform (hillslope, terrace, etc): Swale Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9188 Long: 123.3135 Datum: NAV 88

Soil Map Unit Name: 1A Abiqua silt loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Swale parallel to Rickreall Creek

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Fraxinus latifolia, FACW		40	Y	FACW
2	Oemleria cerasiformis, FACU		10	Y	FACU
3					
4					
5					
			50	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Oemleria cerasiformis, FACU		20	Y	FACU
2	Schedonorus arundinaceus, FAC		60	Y	FAC
3	Hypochaeris radicata, FACU		10	N	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			90	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	10			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	4	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	40	x 2 =	80
FAC species	60	x 3 =	180
FACU species	40	x 4 =	160
UPL species	0	x 5 =	0
Column Totals:	140	(A) (B)	420

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- X 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ☐

Remarks: FAC neutral test

SOIL

Sampling Point: SP 11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/4/2019

Applicant/Owner: FERRUM PROPERTIES LLC State: OR Sampling Point: SP 12

Investigators(s): Eric Henning Section, Township, Range: 8.5.5AA 701

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9080 Long: 123.3220 Datum: NAV 88

Soil Map Unit Name: 6C Bashaw silty clay 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Sample plot is representative of 30+ swales constructed for log stacking.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Salix lasiandra, FACW		30	Y	FACW
2					
3					
4					
5					
			30	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Holcus lanatus, FAC		60	Y	FAC
2	Daucus carota, FACU		10	N	FACU
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			70	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	30			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	30	x 2 =	60
FAC species	60	x 3 =	180
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	280

Prevalence Index = B/A = **2.8**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-4"	Duff mulch							
4-16"	10YR 3/2	90	10YR 3/6	10	C	PL/M	Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: SHAPIRO ALLEN & PATRICIA State: OR Sampling Point: SP 13

Investigators(s): Eric Henning Section, Township, Range: 7.5.34DB 200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9143 Long: 123.2761 Datum: NAV 88

Soil Map Unit Name: 77A Woodburn silt loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Terrace above floodplain of Rickreall Creek. Mowed backyard.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Acer macrophyllum, FACU		60	Y	FACU
2	Fraxinus latifolia, FACW		40	Y	FACW
3					
4					
			100	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		60	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			60	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	40			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	40	x 2 =	80
FAC species	60	x 3 =	180
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	160	(A) (B)	500

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ☐

Remarks: FAC neutral test

SOIL

Sampling Point: SP 13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: MCCOUN REBECCA State: OR Sampling Point: SP 14

Investigators(s): Eric Henning Section, Township, Range: 7.5.34DB 400

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9143 Long: 123.2761 Datum: NAV 88

Soil Map Unit Name: 77A Woodburn silt loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Terrace above floodplain of Rickreall Creek. Mowed backyard.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Pseudotsuga menziesii, FACU		100	Y	FACU
2					
3					
4					
			100	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		40	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			40	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	60			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL, FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	40	x 3 =	120
FACU species	100	x 4 =	400
UPL species	0	x 5 =	0
Column Totals:	140	(A) (B)	520

Prevalence Index = B/A = **3.7**

Hydrophytic Vegetation Indicators:

1- Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤ 3.0[1]

4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

5 - Wetland Non-Vascular Plants[1]

Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: KNIFE RIDGE LLC State: OR Sampling Point: SP 15

Investigators(s): Eric Henning Section, Township, Range: 7.5.34CB 500

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.8888 Long: 123.2521 Datum: NAV 88

Soil Map Unit Name: 21 Cove silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Mowed area adjacent to apartment complex.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Holcus lanatus, FAC		40	Y	FAC
2	Lolium perenne, FAC		20	Y	FAC
3	Agrostis capillaris, FAC		30	Y	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			90	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	10			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	90	x 3 =	270
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	90	(A) (B)	270

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 15

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/3/2019

Applicant/Owner: PEARCY LISANNE G, LIVING TRUST State: OR Sampling Point: SP 16

Investigators(s): Eric Henning Section, Township, Range: 7.5.32DD 5807

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9157 Long: 123.3268 Datum: NAV 88

Soil Map Unit Name: 64B Salkum silty loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Low spot in mowed area.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		20	Y	FAC
2	Holcus lanatus, FAC		40	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			60	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	40			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	60	x 3 =	180
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	60	(A) (B)	180

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: Rock 1" packed

Depth (inches): 6"+

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: UDDIN LLC State: OR Sampling Point: SP 17

Investigators(s): Eric Henning Section, Township, Range: 7.5.33BB 1500

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9228 Long: 123.3154 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Acer macrophyllum, FACU		50	Y	FACU
2	Fraxinus latifolia, FACW		10	N	FACW
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		10	Y	FAC
2					
3					
4					
5					
			10	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Taraxacum officinale, FACU		20	Y	FACU
2	Dactylis glomerata, FACU		60	Y	FACU
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	4	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	25%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	10	x 2 =	20
FAC species	10	x 3 =	30
FACU species	130	x 4 =	520
UPL species	0	x 5 =	0
Column Totals:	150	(A) (B)	570

Prevalence Index = B/A = **3.8**

Hydrophytic Vegetation Indicators:

1- Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤ 3.0[1]

4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

5 - Wetland Non-Vascular Plants[1]

Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	X

Remarks: FAC neutral test

SOIL

Sampling Point: SP 17

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6"	10YR 3/2	100					Silt loam	
6-16"	10YR 5/3	30					Silty clay loam	
- "	10YR 3/2	50					Silty clay loam	
- "	10YR 4/6	20					Silty clay loam	
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: ST PHILIP CATHOLIC CHURCH State: OR Sampling Point: SP 18

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BD 801

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9230 Long: 123.3242 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Mowed area.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Acer macrophyllum, FACU		40	Y	FACU
2					
3					
4					
			40	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		100	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	40	x 4 =	160
UPL species	0	x 5 =	0
Column Totals:	140	(A) (B)	460

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 18

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: ST PHILIP CATHOLIC CHURCH State: OR Sampling Point: SP 19

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BD 801

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9230 Long: 123.3242 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Low spot mowed field.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Hypochaeris radicata, FACU		10	N	FACU
2	Anthoxanthum odoratum, FACU		40	Y	FACU
3	Schedonorus arundinaceus, FAC		50	Y	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	50	x 3 =	150
FACU species	50	x 4 =	200
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	350

Prevalence Index = B/A = **3.5**

Hydrophytic Vegetation Indicators:

1- Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤ 3.0[1]

4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

5 - Wetland Non-Vascular Plants[1]

Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	X

Remarks: FAC neutral test

SOIL

Sampling Point: SP 19

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: BROWN CLAYTON FREDRICK & NANCY J State: OR Sampling Point: SP 20

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BD 701

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9228 Long: 123.3154 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Mowed area, lowspot within backyard.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Fraxinus latifolia, FACW		40	Y	FACW
2	Acer macrophyllum, FACU		20	Y	FACU
3	Prunus avium, FACU		20	Y	FACU
4					
			80	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Oemleria cerasiformis, FACU		20	Y	FACU
2					
3					
4					
5					
			20	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		50	Y	FAC
2	Leucanthemum vulgare, FACU		20	Y	FACU
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			70	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	30			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That are OBL,FACW, or FAC: 33% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	40	x 2 =	80
FAC species	50	x 3 =	150
FACU species	80	x 4 =	320
UPL species	0	x 5 =	0
Column Totals:	170	(A) (B)	550

Prevalence Index = B/A = **3.2**

Hydrophytic Vegetation Indicators:

1- Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤ 3.0[1]

4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

5 - Wetland Non-Vascular Plants[1]

Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** ☐ **No** X

Remarks: FAC neutral test

SOIL

Sampling Point: SP 20

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: THOMAS NATHANIEL B & SYLVIA R State: OR Sampling Point: SP 21

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BA 3200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9321 Long: 123.3290 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Mowed backyard in Rickreall Creek floodplain.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Populus balsamifera, FAC		40	Y	FAC
2	Acer macrophyllum, FACU		20	Y	FACU
3	Fraxinus latifolia, FACW		40	Y	FACW
4					
			100	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Leucanthemum vulgare, FACU		20	Y	FACU
2	Lolium perenne, FAC		70	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			90	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	10			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	5	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	60%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	40	x 2 =	80
FAC species	110	x 3 =	330
FACU species	40	x 4 =	160
UPL species	0	x 5 =	0
Column Totals:	190	(A) (B)	570

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 21

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: THOMAS NATHANIEL B & SYLVIA R State: OR Sampling Point: SP 22

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BA 3200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9320 Long: 123.3288 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Mowed backyard along bank of Rickreall Creek wihtin floodway.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Fraxinus latifolia, FACW		100	Y	FACW
2					
3					
4					
			100	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Ranunculus repens, FAC		20	Y	FAC
2	Schedonorus arundinaceus, FAC		60	Y	FAC
3	Agrostis capillaris, FAC		20	Y	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	4	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	100	x 2 =	200
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	200	(A) (B)	500

Prevalence Index = B/A = **2.5**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 22

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6”	10YR 3/2	80	10YR 4/6	20	C	M	Sandy loam	
6-16”	10YR 3/2	70	10YR 4/6	30	C	M	Sandy loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☒ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☒ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present?	Yes ☐	No ☒	Depth (inches):
Water Table Present?	Yes ☒	No ☐	Depth (inches): 14"
Saturation Present? (includes capillary fringe)	Yes ☒	No ☐	Depth (inches): 11"

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: R & B KAUER PROPERTIES, LLC State: OR Sampling Point: SP 23

Investigators(s): Eric Henning Section, Township, Range: 7.5.34D 2200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9137 Long: 123.2846 Datum: NAV 88

Soil Map Unit Name: 20 Cove silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Cultivated rye grass field. Shallow swale.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		80	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	240

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 23

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-7"	10YR 3/2	100					Silt loam	
7-16"	10YR 4/2	80	10YR 4/6	20	C	M	Silty clay	
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present?	Yes ☐	No ☒	Depth (inches):
Water Table Present?	Yes ☒	No ☐	Depth (inches): 11"
Saturation Present? (includes capillary fringe)	Yes ☒	No ☐	Depth (inches): 7"

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: R & B KAUER PROPERTIES, LLC State: OR Sampling Point: SP 24

Investigators(s): Eric Henning Section, Township, Range: 7.5.34D 2200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9131 Long: 123.2844 Datum: NAV 88

Soil Map Unit Name: 21 Cove silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Cultive rye grass field. Low spot. Tiling fragements on surface.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		80	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	240

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 24

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-12"	10YR 3/2	100					Silt loam	
12-14"	10YR 3/2	90	10YR 4/6	10	C	M	Silt loam	
14-16"	10YR 3/2	80	10YR 4/6	20	C	M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: R & B KAUER PROPERTIES, LLC State: OR Sampling Point: SP 25

Investigators(s): Eric Henning Section, Township, Range: 7.5.34D 2200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9139 Long: 123.2836 Datum: NAV 88

Soil Map Unit Name: 21 Cove silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Cultive rye grass field. Low spot.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		80	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	240

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 25

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-11"	10YR 3/2	100					Silt loam	
11-13"	10YR 3/2	95	10YR 4/6	5	C	M	Silt loam	
13-16"	10YR 4/2	85	10YR 4/6	15	C	M	Silty clay	
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: R & B KAUER PROPERTIES, LLC State: OR Sampling Point: SP 26

Investigators(s): Eric Henning Section, Township, Range: 7.5.34D 2200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9166 Long: 123.2830 Datum: NAV 88

Soil Map Unit Name: 21 Cove silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Cultived rye grass field. Low spot.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		80	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Remarks:

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	240

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

FAC neutral test

SOIL

Sampling Point: SP 26

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-11”	10YR 3/2	100					Silt loam	
11-16”	10YR 5/3	90	10YR 4/6	10	C	M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 4/30/2019

Applicant/Owner: MCKIBBEN DAVID AND BETTE, TRUST State: OR Sampling Point: SP 27

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 500

Landform (hillslope, terrace, etc): Hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9331 Long: 123.2977 Datum: NAV 88

Soil Map Unit Name: 48B McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Edge of forested wetland/riparian area.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Fraxinus latifolia, FACW		60	Y	FACW
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		20	Y	FAC
2					
3					
4					
5					
			20	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Alopecurus pratensis, FAC		30	Y	FAC
2	Schedonorus arundinaceus, FAC		30	Y	FAC
3	Juncus tenuis, FAC		10	N	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			70	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	30			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	4	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	60	x 2 =	120
FAC species	90	x 3 =	270
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	150	(A) (B)	390

Prevalence Index = B/A = **2.6**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 27

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-7"	10YR 3/2	80	10YR 3/6	20	C	PL/M	Silt loam	
7-16"	10YR 4/2	70	10YR 3/6	30	C	PL/M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☒ Algal Mat or Crust (B4)
- ☒ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☒ No ☐ Depth (inches): 3"

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches): 0"

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: GRACE MENN CHURCH OF DALLAS State: OR Sampling Point: SP 28

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 1400

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9325 Long: 123.3032 Datum: NAV 88

Soil Map Unit Name: 48A McAplin silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Depressional area within mowed field.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		70	Y	FAC
2	Leucanthemum vulgare, FACU		10	N	FACU
3	Hypochaeris radicata, FACU		20	Y	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	70	x 3 =	210
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	330

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 28

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-3"	10YR 2/2	100						
3-10"	10YR 3/3	95	5YR 4/4	5	C	M	Silt loam	
10-16"	10YR 3/3	85	5YR 4/4	15	C	M	Silt loam	
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: GRACE MENN CHURCH OF DALLAS State: OR Sampling Point: SP 29

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 1400

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9342 Long: 123.3025 Datum: NAV 88

Soil Map Unit Name: 27C Dupee silt loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Cultivated rye grass field. Low spot.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		100	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:		
Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:			
Total %Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	300
Prevalence Index = B/A =		**3.0**	

	Hydrophytic Vegetation Indicators:
	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 29

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: VILLAGE MISSIONS State: OR Sampling Point: SP 30

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 1302

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9325 Long: 123.3023 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Shallow ditch along property line.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		30	Y	FAC
2					
3					
4					
5					
			30	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		50	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			50	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	50			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	240

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 30

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	95	10YR 3/6	5	C	M	Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: CEMETERY DALLAS DISTRICT #4 State: OR Sampling Point: SP 31

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 1200

Landform (hillslope, terrace, etc): Hillslope Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9100 Long: 123.3347 Datum: NAV 88

Soil Map Unit Name: 8C Bellpine silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Mowed area within cemetery, low area possibly tiled.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		50	Y	FAC
2	Leucanthemum vulgare, FACU		20	Y	FACU
3	Lolium perenne, FAC		30	Y	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	320

Prevalence Index = B/A = **3.2**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 31

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-2"	10YR 3/2	100					Silt loam	
2-6"	10YR 5/2	80	10YR 5/8	20	C	M	Silty clay loam	
6-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: CEMETERY DALLAS DISTRICT #4 State: OR Sampling Point: SP 32

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 1300

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9095 Long: 123.3367 Datum: NAV 88

Soil Map Unit Name: 8C Bellpine silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Quercus garryana, FACU		60	Y	FACU
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		30	Y	FAC
2	Symphoricarpus albus, FACU		20	Y	FACU
3					
4					
5					
			50	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Camassia quamash, FACW		30	Y	FACW
2	Rumex crispus, FAC		20	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			50	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	50			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	3 (A)
Total Number of Dominant Species Across All Strata:	5 (B)
Percent of Dominant Species That are OBL,FACW, or FAC:	60% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	50	x 3 =	150
FACU species	80	x 4 =	320
UPL species	0	x 5 =	0
Column Totals:	160	(A) (B)	530

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

- ☐ 1- Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤ 3.0[1]
- ☐ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ☐ 5 - Wetland Non-Vascular Plants[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 32

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	80	10YR 4/6	20	C	M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☒ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 1"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: CEMETERY DALLAS DISTRICT #4 State: OR Sampling Point: SP 33

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 1101

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9106 Long: 123.3377 Datum: NAV 88

Soil Map Unit Name: 68C Suver silty clay loam 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? 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?** **Yes** ☐ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Seep along gental slope connects to small drainage channel to the north.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1	Quercus garryana, FACU		70	Y	FACU
2					
3					
4					
			70	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		10	Y	FAC
2					
3					
4					
5					
			10	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Juncus patens, FACW		90	Y	FACW
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			90	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	10			

Remarks:

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	90	x 2 =	180
FAC species	10	x 3 =	30
FACU species	70	x 4 =	280
UPL species	0	x 5 =	0
Column Totals:	170	(A) (B)	490

Prevalence Index = B/A = **2.9**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

FAC neutral test

SOIL

Sampling Point: SP 33

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 4/2	60	10YR 4/6	40	C	PL/M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☒ No ☐ Depth (inches): 1"

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches): 0"

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: CEMETERY DALLAS DISTRICT #4 State: OR Sampling Point: SP 34

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 1101

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9107 Long: 123.3376 Datum: NAV 88

Soil Map Unit Name: 68C Suver silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Shallow swale ~3' wide.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Quercus garryana, FACU		60	Y	FACU
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		10	Y	FAC
2					
3					
4					
5					
			10	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Juncus patens, FACW		30	Y	FACW
2	Holcus lanatus, FAC		20	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			50	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	50			

Dominance Test Worksheet:		
Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	4	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	75%	(A/B)

Prevalence Index worksheet:			
Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	30	x 3 =	90
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	120	(A) (B)	390
Prevalence Index = B/A =		**3.3**	

	Hydrophytic Vegetation Indicators:
	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	**X**
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 34

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 1"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: DALLAS CEMETERY DISTRICT #4 State: OR Sampling Point: SP 35

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 700

Landform (hillslope, terrace, etc): terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9105 Long: 123.3312 Datum: NAV 88

Soil Map Unit Name: 48B McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Shallow swale ~3' wide.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Fraxinus latifolia, FACW		30	Y	FACW
2					
3					
4					
			30	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		20	Y	FAC
2	Fraxinus latifolia, FACW		30	Y	FACW
3					
4					
5					
			50	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Juncus effusus, FACW		40	Y	FACW
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			40	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	60			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	4	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	100	x 2 =	200
FAC species	20	x 3 =	60
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	120	(A) (B)	260

Prevalence Index = B/A = **2.2**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test X

SOIL

Sampling Point: SP 35

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☒ Water Marks (B1)
- ☒ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 2"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: DALLAS CEMETERY DISTRICT NO 4 State: OR Sampling Point: SP 36

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 701

Landform (hillslope, terrace, etc): terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9103 Long: 123.3313 Datum: NAV 88

Soil Map Unit Name: 48B McAlpin silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Hypochaeris radicata, FACU		20	Y	FACU
2	Schedonorus arundinaceus, FAC		40	Y	FAC
3	Lolium perenne, FAC		30	Y	FAC
4	Leucanthemum vulgare, FACU		10	N	FACU
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	70	x 3 =	210
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	330

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 36

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-10"	7.5YR 3/3	70					Silty clay loam	
- "	7.5YR 4/6	30					Silty clay loam	
10-16"	7.5YR 3/3	100					Silty clay loam	
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: BRIDLEWOOD HOMEOWNERS ASSN, INC State: OR Sampling Point: SP 37

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 3700

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9045 Long: 123.3356 Datum: NAV 88

Soil Map Unit Name: 68C Suver silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Broad swale with walking path culverted crossing.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Salix scoulerana, FAC		100	Y	FAC
2					
3					
4					
5					
			100	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			0	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	100			
	Remarks:				

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	1	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	300

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

FAC neutral test

SOIL

Sampling Point: SP 37

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☒ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☒ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☒ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☒ No ☐ Depth (inches): 2"

Water Table Present? Yes ☒ No ☐ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: BRIDLEWOOD HOMEOWNERS ASSN, INC State: OR Sampling Point: SP 38

Investigators(s): Eric Henning Section, Township, Range: 8.5.6AD 100

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9052 Long: 123.3416 Datum: NAV 88

Soil Map Unit Name: 8D Bellpine silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Area of dark green grass in contrast to surroundings.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Lolium perenne, FAC		70	Y	FAC
2	Schedonorus arundinaceus, FAC		20	Y	FAC
3	Hypochaeris radicata, FACU		10	N	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	90	x 3 =	270
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	310

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 38

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-12"	10YR 5/8	100					Silt loam	
12-16"	10YR 5/2	40					Silt loam	
- "	10YR 4/6	20					Silt loam	
- "	10YR 5/8	40					Silt loam	
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: PEARCY LISANNE G, LIVING TRUST State: OR Sampling Point: SP 39

Investigators(s): Eric Henning Section, Township, Range: 7.5.32DD 5807

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9125 Long: 123.3209 Datum: NAV 88

Soil Map Unit Name: 64B Salkum silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Low spot on terrace.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Holcus lanatus, FAC		20	Y	FAC
2	Plantago lanceolata, FACU		20	Y	FACU
3	Agrostis capillaris, FAC		40	Y	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			80	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	20			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	60	x 3 =	180
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	80	(A) (B)	260

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 39

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: BRIDLEWOOD HOME OWNERS ASSN State: OR Sampling Point: SP 40

Investigators(s): Eric Henning Section, Township, Range: 8.5.6A 1702

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9075 Long: 123.3463 Datum: NAV 88

Soil Map Unit Name: 36E Jory silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Mowed path with spring seeps on hillslope.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size): 5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Crataegus douglasii, FAC	20	Y	FAC
2	Frangula purshiana, FAC	20	Y	FAC
3	Prunus avium, FACU	20	Y	FACU
4				
		60	= Total Cover	
	Sapling/Shrub Stratum (Plot size): 3MR			
1	Rosa nutkana, FAC	10	Y	FAC
2	Symphoricarpus albus, FACU	10	Y	FACU
3				
4				
5				
		20	= Total Cover	
	Herb Stratum (Plot size): 1MR			
1	Juncus bufonius, FACW	20	Y	FACW
2	Agrostis capillaris, FAC	20	Y	FAC
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
		40	= Total Cover	
	Woody Vine Stratum (Plot Size):			
1				
2				
		0	= Total Cover	
	% Bare Ground in Herb Stratum 60			

Remarks:

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of Dominant Species That are OBL,FACW, or FAC: 71% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	20	x 2 =	40
FAC species	70	x 3 =	210
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	120	(A) (B)	370

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- **X** 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes **X** No

FAC neutral test

SOIL

Sampling Point: SP 40

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-1"	10YR 4/2	100					Silt loam	
1-10"	10YR 4/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
10-16"	10YR 4/2	70	10YR 4/6	30	C	PL/M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☒ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☒ High Water Table (A2) 0-12"
- ☒ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☒ No ☐ Depth (inches): 6"

Saturation Present? (includes capillary fringe) Yes ☒ No ☐ Depth (inches): 3"

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: BRIDLEWOOD HOME OWNERS ASSN State: OR Sampling Point: SP 41

Investigators(s): Eric Henning Section, Township, Range: 8.5.6A 1702

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): 10%

Subregion (LRR): A Lat: 44.9069 Long: 123.3472 Datum: NAV 88

Soil Map Unit Name: 36E Jory silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Bed and bank observed, possible ephemeral stream.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size): 5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Acer macrophyllum, FACU	60	Y	FACU
2				
3				
4				
		60	= Total Cover	
	Sapling/Shrub Stratum (Plot size): 3MR			
1	Ribes sanguineum, FACU	20	Y	FACU
2	Oemleria cerasiformis, FACU	20	Y	FACU
3				
4				
5				
		40	= Total Cover	
	Herb Stratum (Plot size): 1MR			
1	Tellima grandiflora, FACU	30	Y	FACU
2	Polystichum munitum, FACU	40	Y	FACU
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
		70	= Total Cover	
	Woody Vine Stratum (Plot Size):			
1				
2				
		0	= Total Cover	
	%Bare Ground in Herb Stratum 30			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That are OBL,FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	170	x 4 =	680
UPL species	0	x 5 =	0
Column Totals:	170	(A) (B)	680

Prevalence Index = B/A = **4.0**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** ☐ **No** X

Remarks: FAC neutral test

SOIL

Sampling Point: SP 41

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/1/2019

Applicant/Owner: BRIDLEWOOD HOME OWNERS ASSN State: OR Sampling Point: SP 42

Investigators(s): Eric Henning Section, Township, Range: 8.5.6A 1702

Landform (hillslope, terrace, etc): hillslope Local relief (concave, convex, none): Concave Slope (%): ____

Subregion (LRR): A Lat: 44.9072 Long: 123.3468 Datum: NAV 88

Soil Map Unit Name: 36E Jory silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Spring seep on hillslope.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Fraxinus latifolia, FACW		10	Y	FACW
2	Quercus garryana, FACU		10	Y	FACU
3					
4					
			20	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus ursinus, FACU		10	N	FACU
2	Crataegus douglasii, FAC		30	Y	FAC
3	Rosa nutkana, FAC		20	Y	FAC
4					
5					
			60	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		10	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			10	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	90			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	5	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	80%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	10	x 2 =	20
FAC species	60	x 3 =	180
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	90	(A) (B)	280

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 42

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-4"	10YR 3/3						Silty clay loam	
4-16"	10YR 3/3	90	10YR 3/6	10	C	M	Silty clay loam	
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/3/2019

Applicant/Owner: BLAIR FAMILY PROPERTIES LLC ETAL State: OR Sampling Point: SP 43

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 1200

Landform (hillslope, terrace, etc): Roadside ditch Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9327 Long: 123.3014 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☐ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Roadside ditch parallel to gravel driveway, continues along fenclie to the east.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rubus armeniacus, FAC		50	Y	FAC
2					
3					
4					
5					
			50	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		60	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			60	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	40			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	110	x 3 =	330
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	110	(A) (B)	330

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 43

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-5”	10YR 3/2	100					Silt loam	
5-14”	10YR 3/2	90	10YR 4/6	10	C	PL/M	Silty clay loam	
14-16”	10YR 3/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/3/2019

Applicant/Owner: BLAIR WILLIAM A State: OR Sampling Point: SP 44

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 102

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9334 Long: 123.2956 Datum: NAV 88

Soil Map Unit Name: 48B McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Broad swale draining offsite to the east.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Alopecurus pratensis, FAC		60	Y	FAC
2	Schedonorus arundinaceus, FAC		40	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	%Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	300

Prevalence Index = B/A = **3.0**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 44

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6”	10YR 3/2	90	10YR 4/6	10	C	M	Silty clay loam	
6-16”	10YR 3/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 5/3/2019

Applicant/Owner: BLAIR WILLIAM A State: OR Sampling Point: SP 45

Investigators(s): Eric Henning Section, Township, Range: 7.5.28D 102

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9334 Long: 123.2961 Datum: NAV 88

Soil Map Unit Name: 48B McAlpin silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Prunus avium, FACU		30	Y	FACU
2					
3					
4					
			30	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		100	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	130	(A) (B)	420

Prevalence Index = B/A = **3.2**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 45

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/4/2019

Applicant/Owner: CARLSON JERRY W & JEWEL L State: OR Sampling Point: SP 46

Investigators(s): Eric Henning Section, Township, Range: 8.5.5B 1903

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9085 Long: 123.3290 Datum: NAV 88

Soil Map Unit Name: 6A Bashaw silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Lowest point in mowed backyard.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		30	Y	FAC
2	Agrostis capillaris, FAC		60	Y	FAC
3	Hypochaeris radicata, FACU		10	N	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	90	x 3 =	270
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	310

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 46

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/4/2019

Applicant/Owner: CARLSON JERRY W & JEWEL L State: OR Sampling Point: SP 47

Investigators(s): Eric Henning Section, Township, Range: 7.5.34CA 4600

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9180 Long: 123.2897 Datum: NAV 88

Soil Map Unit Name: 46 Malabon silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Lowest point in mowed yard.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Acer macrophyllum, FACU		60	Y	FACU
2					
3					
4					
			60	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Agrostis capillaris, FAC		100	Y	FAC
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	1	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	100	x 3 =	300
FACU species	60	x 4 =	240
UPL species	0	x 5 =	0
Column Totals:	160	(A) (B)	540

Prevalence Index = B/A = **3.4**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 47

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/2	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: MCKIBBEN DAVID AND BETTE, TRUST State: OR Sampling Point: SP 48

Investigators(s): Eric Henning Section, Township, Range: 8.5.4AB 1101

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9102 Long: 123.3050 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks:

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Rosa nutkana, FAC		20	Y	FAC
2					
3					
4					
5					
			20	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Alopecurus pratensis, FAC		60	Y	FAC
2	Schedonorus arundinaceus, FAC		40	Y	FAC
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:		
Number of Dominant Species That are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:			
Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	120	x 3 =	360
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	120	(A) (B)	360
Prevalence Index = B/A =		**3.0**	

	Hydrophytic Vegetation Indicators:
	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
X	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 48

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16”	10YR 3/1	90	10YR 4/6	10	C	PL/M	Silt loam	
8-16”	10YR 3/1	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: MORRIS JAMES D & JENNIFER M State: OR Sampling Point: SP 49

Investigators(s): Eric Henning Section, Township, Range: 7.5.27C 1700

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9327 Long: 123.2933 Datum: NAV 88

Soil Map Unit Name: 64B Salkum silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Low spot in field with adjacent Christmas trees.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1	Salix scoulerana, FAC		80	Y	FAC
2					
3					
4					
5					
			80	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Juncus patens, FACW		10	N	FACW
2	Daucus carota, FACU		20	Y	FACU
3	Schedonorus arundinaceus, FAC		40	Y	FAC
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			70	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	30			

Remarks:

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	10	x 2 =	20
FAC species	120	x 3 =	360
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	150	(A) (B)	460

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

FAC neutral test

SOIL

Sampling Point: SP 49

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: FRANZ ORLIN & FRANZ BONNIE State: OR Sampling Point: SP 50

Investigators(s): Eric Henning Section, Township, Range: 7.5.29 702

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9281 Long: 123.3320 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Drainage swale parallel to southern property line.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		40	Y	FAC
2	Holcus lanatus, FAC		20	Y	FAC
3	Daucus carota, FACU		10	N	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			70	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	30			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	60	x 3 =	180
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	70	(A) (B)	220

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

- ☐ 1- Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤ 3.0[1]
- ☐ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ☐ 5 - Wetland Non-Vascular Plants[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 50

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-8”	10YR 3/2	90	10YR 4/6	10	C	PL/M	Silty clay loam	
8-16”	10YR 3/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: FRANZ ORLIN & FRANZ BONNIE State: OR Sampling Point: SP 51

Investigators(s): Eric Henning Section, Township, Range: 7.5.29 702

Landform (hillslope, terrace, etc): Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9283 Long: 123.3322 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Recently tilled field.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute % Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			0	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	100			

Remarks:

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	0	(A)
Total Number of Dominant Species Across All Strata:	0	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:		(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	0	(A) (B)	0

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

FAC neutral test

SOIL

Sampling Point: SP 51

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-4"	10YR 3/2	100					Silt loam	
4-16"	10YR 3/2	80	10YR 4/6	20	C	PL/M	Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: COAKLEY-SALLEE CELLEN ETAL State: OR Sampling Point: SP 52

Investigators(s): Eric Henning Section, Township, Range: 7.5.34CC 3200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9123 Long: 123.2933 Datum: NAV 88

Soil Map Unit Name: 21 Cove silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Mowed field.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size): 5MR	Absolute % Cover	Dominant Species?	Indicator Status
1				
2				
3				
4				
		0	= Total Cover	
	Sapling/Shrub Stratum (Plot size): 3MR			
1				
2				
3				
4				
5				
		0	= Total Cover	
	Herb Stratum (Plot size): 1MR			
1	Schedonorus arundinaceus, FAC	50	Y	FAC
2	Agrostis capillaris, FAC	30	Y	FAC
3	Hypochaeris radicata, FACU	10	N	FACU
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
		90	= Total Cover	
	Woody Vine Stratum (Plot Size):			
1				
2				
		0	= Total Cover	
	%Bare Ground in Herb Stratum 10			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	90	(A) (B)	280

Prevalence Index = B/A = **3.1**

Hydrophytic Vegetation Indicators:

- ☐ 1- Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤ 3.0[1]
- ☐ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ☐ 5 - Wetland Non-Vascular Plants[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ☐

Remarks: FAC neutral test

SOIL

Sampling Point: SP 52

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12”	10YR 3/1	90	7.5YR 4/6	10	C	PL/M	Silty clay loam	
12-16”	10YR 3/1	80	7.5YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: HEFFNER GERALD & VICTORIA, TRUST State: OR Sampling Point: SP 53

Investigators(s): Eric Henning Section, Township, Range: 7.5.32BD 200

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): 5%

Subregion (LRR): A Lat: 44.9220 Long: 123.3295 Datum: NAV 88

Soil Map Unit Name: 2 Abiqua silty clay loam 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? 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?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	

Remarks: Low point on terrace adjacent to Rickreall Creek.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size): 5MR	Absolute % Cover	Dominant Species?	Indicator Status
1	Populus balsamifera, FAC	20	Y	FAC
2	Fraxinus latifolia, FACW	60	Y	FACW
3	Acer macrophyllum, FACU	20	Y	FACU
4				
		100	= Total Cover	
	Sapling/Shrub Stratum (Plot size): 3MR			
1	Symphoricarpus albus, FACU	20	Y	FACU
2	Oemleria cerasiformis, FACU	30	Y	FACU
3	Rubus armeniacus, FAC	20	Y	FAC
4				
5				
		70	= Total Cover	
	Herb Stratum (Plot size): 1MR			
1	Phalaris arundinacea, FACW	20	Y	FACW
2	Glechoma hederacea, FACU	80	Y	FACU
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
		100	= Total Cover	
	Woody Vine Stratum (Plot Size):			
1				
2				
		0	= Total Cover	
	% Bare Ground in Herb Stratum 0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	4	(A)
Total Number of Dominant Species Across All Strata:	8	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	50%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	80	x 2 =	160
FAC species	40	x 3 =	120
FACU species	150	x 4 =	600
UPL species	0	x 5 =	0
Column Totals:	270	(A) (B)	880

Prevalence Index = B/A = **3.3**

Hydrophytic Vegetation Indicators:

- 1- Rapid Test for Hydrophytic Vegetation
- 2 - Dominance Test is >50%
- 3 - Prevalence Index is ≤ 3.0[1]
- 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- 5 - Wetland Non-Vascular Plants[1]
- Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	
	No	**X**

Remarks: FAC neutral test

SOIL

Sampling Point: SP 53

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16"	10YR 3/3	100					Silt loam	
- "								
- "								
- "								
- "								
- "								
- "								
- "								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12"
- ☐ Saturation (A3) 0-12"
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12"
- ☐ Oxidized Rhizospheres along Living Roots (C3) 0-12"
- ☐ Presence of Reduced Iron (C4) 0-12"
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12"
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12"
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24"
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6"+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☐ **No** ☒

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: MCKIBBEN DAVID & BETTE, TRUST State: OR Sampling Point: SP 54

Investigators(s): Eric Henning Section, Township, Range: 8.5.4AB 100

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9112 Long: 123.3048 Datum: NAV 88

Soil Map Unit Name: 21 Cove silty clay loam 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? 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?** **Yes** ☐ **No** ☐
Hydric Soil Present?	Yes ☐	No ☐	
Wetland Hydrology Present?	Yes ☐	No ☐	

Remarks: Mowed depressional area, surrounding uplands has contains gravel at 2".

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size):	5MR	Absolute %Cover	Dominant Species?	Indicator Status
1					
2					
3					
4					
			0	= Total Cover	
	Sapling/Shrub Stratum (Plot size):	3MR			
1					
2					
3					
4					
5					
			0	= Total Cover	
	Herb Stratum (Plot size):	1MR			
1	Schedonorus arundinaceus, FAC		60	Y	FAC
2	Agrostis capillaris, FAC		20	Y	FAC
3	Hypochaeris radicata, FACU		20	Y	FACU
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
			100	= Total Cover	
	Woody Vine Stratum (Plot Size):				
1					
2					
			0	= Total Cover	
	% Bare Ground in Herb Stratum	0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	67%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1=	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	320

Prevalence Index = B/A = **3.2**

Hydrophytic Vegetation Indicators:

	1- Rapid Test for Hydrophytic Vegetation
X	2 - Dominance Test is >50%
	3 - Prevalence Index is ≤ 3.0[1]
	4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
	5 - Wetland Non-Vascular Plants[1]
	Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present?	**Yes**	X
	No	

Remarks: FAC neutral test

SOIL

Sampling Point: SP 54

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-6”	10YR 3/2	90	10YR 4/6	10	C	PL/M	Silt loam	
6-16”	10YR 3/2	80	10YR 4/6	20	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2) 0-12”
- ☐ Saturation (A3) 0-12”
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Surface Soil Cracks (B6)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9) (**except MLRA 1, 2, 4A, and 4B)**
- ☐ Salt Crust (B11)
- ☐ Aquatic Invertebrates (B13)
- ☐ Hydrogen Sulfide Odor (C1) 0-12”
- ☒ Oxidized Rhizospheres along Living Roots (C3) 0-12”
- ☐ Presence of Reduced Iron (C4) 0-12”
- ☐ Recent Iron Reduction in Tilled Soils (C6) 0-12”
- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
- ☐ 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) 0-12”
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☒ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3) 0-24”
- ☐ FAC-Neutral Test (D5)
- ☐ Raised Ant Mounds (D6) (**LRR A**) 6”+ high
- ☐ Frost-Heave Hummocks (D7)

Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

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

Project/Site: Dallas LWI City/County: Dallas / Polk County Sampling Date: 6/13/2019

Applicant/Owner: MCKIBBEN DAVID AND BETTE, TRUST State: OR Sampling Point: SP 55

Investigators(s): Eric Henning Section, Township, Range: 8.5.4AB 1101

Landform (hillslope, terrace, etc): Terrace Local relief (concave, convex, none): Concave Slope (%): <5%

Subregion (LRR): A Lat: 44.9104 Long: 123.3045 Datum: NAV 88

Soil Map Unit Name: 48A McAlpin silty clay loam 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? 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?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	

Remarks: Mowed area.

VEGETATION – Use scientific names of plants.

	Tree Stratum (Plot size): 5MR	Absolute %Cover	Dominant Species?	Indicator Status
1				
2				
3				
4				
		0	= Total Cover	
	Sapling/Shrub Stratum (Plot size): 3MR			
1				
2				
3				
4				
5				
		0	= Total Cover	
	Herb Stratum (Plot size): 1MR			
1	Agrostis capillaris, FAC	30	Y	FAC
2	Schedonorus arundinaceus, FAC	50	Y	FAC
3	Hypochaeris radicata, FACU	10	N	FACU
4	Plantago lanceolata, FACU	10	N	FACU
5				
6				
7				
8				
9				
10				
11				
12				
13				
		100	= Total Cover	
	Woody Vine Stratum (Plot Size):			
1				
2				
		0	= Total Cover	
	% Bare Ground in Herb Stratum 0			

Dominance Test Worksheet:

Number of Dominant Species That are OBL, FACW, or FAC:	2	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That are OBL,FACW, or FAC:	100%	(A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	100	(A) (B)	320

Prevalence Index = B/A = **3.2**

Hydrophytic Vegetation Indicators:

- ☐ 1- Rapid Test for Hydrophytic Vegetation
- X 2 - Dominance Test is >50%
- ☐ 3 - Prevalence Index is ≤ 3.0[1]
- ☐ 4-Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ☐ 5 - Wetland Non-Vascular Plants[1]
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? **Yes** X **No** ☐

Remarks: FAC neutral test

SOIL

Sampling Point: SP 55

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox %	Type[1]	Loc[2]	Texture	Remarks
0-4”	10YR 3/2	80	10YR 4/6	20	C	PL/M	Silt loam	
4-16”	10YR 3/2	70	10YR 4/6	30	C	PL/M	Silty clay loam	
- ”								
- ”								
- ”								
- ”								
- ”								
- ”								

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, inless other wise noted.)

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Loamy Mucky Mineral (F1) (except MLRA 1)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☒ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10)
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- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type:_____

Depth (inches):

Hydric Soil Present? **Yes** ☒ **No** ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

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- ☐ Water Marks (B1)
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- ☐ Sparsely Vegetated Concave Surface (B8)
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- ☐ Stunted or Stressed Plants (D1) (**LRR A**)
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Field Observations:

Surface Water Present? Yes ☐ No ☒ Depth (inches):

Water Table Present? Yes ☐ No ☒ Depth (inches):

Saturation Present? (includes capillary fringe) Yes ☐ No ☒ Depth (inches):

Wetland Hydrology Present? **Yes** ☒ **No** ☐

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

Remarks:

APPENDIX J:

Local Wetland Inventory Maps