# Local Wetlands Inventory for the City of Philomath

APPROVED WETLANDS INVENTORY
Oregon Division of State Lands
Meets Local Wetland Inventory standards
Date 1/13/97 Approved by J. Morlan

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## 1.0 INTRODUCTION

In May 1995, the City of Philomath was awarded a Technical Assistance Grant by the Oregon Division of State Lands (DSL), funded by the Environmental Protection Agency Region X. The work described in the grant included conducting a Local Wetlands Inventory (LWI) within the City's Urban Growth Boundary (UGB). On May 26, 1995, the City hired SRI/SHAPIRO, Inc. to conduct the LWI. The Philomath project area corresponds with the UGB and encompasses approximately 2,680 acres.

This report documents the methods and results of the LWI. In addition, the functions and conditions of each of the wetlands identified in the inventory were assessed using the *Oregon Freshwater Wetland Assessment Methodology* (OFWAM; Roth et. al., revised edition, 1996). This information was used to identify significant wetlands within the City's UGB. A brief description of the OFWAM process is provided in Section 3.4 of this document, and the summary sheet for each wetland is included in the appendices.

## 1.1 LOCAL WETLANDS INVENTORY

The 1989 Oregon State Legislature authorized the Oregon Division of State Lands (DSL) to develop a statewide wetlands inventory suitable for planning and regulatory purposes. Pursuant to ORS 196.674, DSL established LWI standards and guidelines. The purpose of an LWI is to locate, map, and classify wetlands by type (such as forested wetlands) over a relatively large geographic area. In accordance with LWI standards, the approximate boundaries of all wetlands greater than 0.5 acre in size are identified through the inventory.

No wetland boundaries were staked and flagged by SRI/SHAPIRO for this study.

An approved LWI will replace the National Wetlands Inventory (NWI) maps and will be incorporated into the statewide wetlands inventory. Wetlands identified on the NWI maps are located through the interpretation of relatively small-scale color infrared aerial photographs (for example, a scale of 1:58,000) with limited "ground truthing" conducted to confirm the interpretations.

A LWI is conducted using color or color infrared aerial photographs taken within five years of the inventory initiation and at a minimum scale of 1" = 800'. In general, wetlands are located using the on-site option, as described in the LWI Standards and Guidelines (DSL, 1994). In cases where property access is denied, wetlands can be mapped off-site using information such as topographic maps and aerial photographs to aid in locating wetlands. The product of an LWI is a parcel-based map showing the approximate location of wetlands at a minimum scale of 1" = 800'. The parcel-based map allows the property owner, the local jurisdiction, and the DSL to know which tax lots may contain wetland.

## 2.0 DEFINITIONS

## 2.1 CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL

The methods used in the investigation are provided in the *Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1* (Environmental Laboratory, 1987). This manual (1987 manual) is now recognized by the DSL and by the U.S. Army Corps of Engineers (COE) for the determination and delineation of wetlands within Oregon.

As provided in the 1987 manual, the accepted definition of wetland used by the COE in implementing section 404 of the Clean Water Act and by the DSL in administering the Removal/Fill Law is:

> *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. Wetlands generally include swamps, marshes, bogs, and similar areas.* (Federal Register, 1982).

The 1987 manual provides technical criteria, field indicators, and recommended procedures to be used in determining whether an area is a jurisdictional wetland. The 1987 manual requires that three technical criteria in undisturbed situations be met before areas can be considered wetland under federal or state jurisdiction. These criteria are hydric soils, hydrophytic vegetation, and wetland hydrology.

## 2.2 MANDATORY WETLAND TECHNICAL CRITERIA

### 2.2.1 Hydrophytic Vegetation

Hydrophytic vegetation consists of those plant species that have adapted to growing in substrates that are periodically deficient in oxygen due to saturated soil conditions. Five basic groups of vegetation are recognized based on their frequency of occurrence in wetlands. These categories, referred to as the "wetland indicator status," are as follows: obligate wetland plants (OBL) are estimated to occur almost exclusively in wetlands (>99%); facultative wetland (FACW) plants are estimated to occur 67-99% of the time in wetlands; facultative (FAC) plants occur equally in wetlands and non-wetlands (34-66%); and facultative upland (FACU) plants usually occur in non-wetlands (67-99%). If a species is not assigned to one of the four groups described above it is assumed to be an obligate upland (UPL) plant, which is estimated to occur almost exclusively in non-wetlands (>99%). In addition, plants designated "NI" have not yet received a wetland indicator status, but are probably not obligate upland. An asterisk (*) preceding a regional indicator from the *1993 Supplement to National List of Plant Species That Occur in Wetlands: Northwest (Region 9)* identifies a tentative assignment based upon either limited information or conflicting reviews (USFWS, 1993). The asterisk is intended to encourage submission of additional field review information.

Species lists of commonly encountered plants along with their wetland status have been prepared for all regions of the country by the U.S. Fish and Wildlife Service (Reed,

1988). Plant names are consistent with taxonomy in *Flora of the Pacific Northwest* (Hitchcock and Cronquist, 1973).

### 2.2.2 Hydric Soils

Hydric soils are those that in an undrained condition are saturated, flooded, or ponded long enough during the growing season to develop anaerobic (little or no free oxygen) conditions near the surface. Such anaerobic conditions during the growing season affect the production, growth, and survival of plants. Chemically reduced forms of iron, manganese, and sulfur also may be present (primarily in mineral soils); their higher toxicity further affects plant growth.

### 2.2.3 Wetland Hydrology

The 1987 manual defines wetland hydrology as saturation within a major portion of the root zone (usually above 12 inches) typically between 5 and 12.5% of the growing season and typically between March 1 and October 31. The wetland hydrology criterion can be met, however, if saturation within the major portion of the root zone is present for only 5% of the growing season depending on the wetland status of the plant community. The growing season for any given site or location is determined from U.S. Soil Conservation Service (SCS) data and information.

## 2.3 WETLAND FIELD INDICATORS

### 2.3.1 Hydrophytic Vegetation

A wide variety of plants exhibit at least some degree of tolerance to saturated soil conditions. Adaptations to such conditions may be both structural and physiological in nature, making few of these features readily observable in the field. Structural adaptations may include a shallow root system or adventitious (above ground) roots, while a physiological adaptation includes the ability to transport oxygen to the root zone (as evidenced by oxidized rhizospheres).

For the purposes of wetland delineation, plants generally considered to be more or less tolerant of saturated soil conditions have been included in the USFWS plant list. Exclusively upland plants are not listed for the sake of brevity. The rating system is not flawless, and species are occasionally found in areas considered to be atypical habitat. Nevertheless, an assemblage of plants with at least a facultative (FAC) rating generally indicates the presence of wetland conditions (provided hydric soils and wetland hydrology indicators also are present). A higher proportion of dominant species rated as facultative wetland (FACW) and obligate wetland (OBL) will more reliably indicate wetland conditions.

### 2.3.2 Hydric Soils

Readily observable field indicators for hydric soils include gleying and mottling in mineral soils, or an organic upper surface layer (histic epipedon). Occasionally, the presence of a strong sulfur smell (reduced sulfur) in some soils also can indicate prolonged anaerobic conditions as well.

Color strength (chroma) is generally the most reliable indicator of a hydric mineral soil, since such soils will develop very low chromas (two or less) under saturated oxygen-free conditions. Gleyed soils are visually distinctive, with a grayish color often tinged with green or blue. Reduced iron and manganese are readily leached from the soil column under prolonged saturation, accounting for the unsaturated color. Gleying may be uniform to the surface in areas that are inundated year-round, while oxidation in the upper soil layers due to a fluctuating high water table may result in patches of brighter colors called mottles. A mineral soil is considered hydric when the dominant soil matrix chroma is two or less with mottles, or one or less without mottles. Colors are determined in the field with the aid of a Munsell soil color chart (Munsell, 1975).

### 2.3.3 Wetland Hydrology

The best field indicators of wetland hydrology include the direct observation of standing surface water, soil saturation at or near the surface, or a high groundwater table. Due to the seasonal nature of prolonged saturation or inundation in most areas, however, these indicators often are not present. Active oxidized root channels in the upper soil profile provide evidence of the physiological adaptation by plants to supply oxygen to their root systems during anaerobic conditions. Their existence is generally a reliable indicator of prolonged saturation in the root zone during the growing season, as long as vegetation is present.

Other indirect indicators include dried-up water channels and depressional areas, dried algal mats, water marks on plants, silt deposition on tree trunks, and water-stained leaves. These may provide adequate evidence of wetland hydrology as long as it can be shown that a short-lived flood event (such as might cause water marks) was not the only hydrologic activity.

## 3.0 PROJECT METHODS

## 3.1 CARTOGRAPHY

The City of Philomath provided section base maps of the study area. These maps included layers for tax lot lines, tax lot numbers, street names, right-of-ways, and section boundaries. These were transferred to AutoCAD drawing files.

Initially, a project base map was created by inserting or tiling together each section map into a single drawing file. The UGB, city limits, drainage basin boundaries, and streams from the U.S. Geological Survey (USGS) were digitized onto the base map. The project area base map was then plotted at a scale of 1"=400' onto eight 24" x 36" sheets.

A color aerial photograph dated May 22, 1993, was ordered from WAC Corporation for the study area at a scale of 1"=400' to match the scale of the base map. This aerial photograph was covered with clear acetate (permanently registered) to protect it during

field use and as a surface for drafting wetland boundaries and sample sites. The City provided 1"=100', 2-foot contour interval, topographic maps. These maps were used to identify additional drainageways and to highlight depressional areas. Property access permission denials were located on the aerial photograph.

## 3.2 INFORMATION PROCESSING

The USFWS NWI maps and the SCS county soil maps were consulted prior to and during field work in order to determine where potential wetland may exist and to facilitate the on-site gathering of data.

## 3.3 WETLAND IDENTIFICATION AND BOUNDARY DETERMINATIONS

The approximate boundaries of wetlands and the location of sample sites were drafted on the aerial photograph in the field. These boundaries were subsequently digitized onto the AutoCAD maps. All wetlands received a unique code to aid in their identification. The code was based on the wetland's drainage basin and the number of wetlands within each basin (for example, MR-1, NC-1). In general, parts of wetlands received separate codes where major roads or distinct breaks in wetland character occurred. Some wetlands were grouped and coded as one unit where they were adjacent, hydrologically linked, or similar in character, thus functioning as a unit.

### 3.3.1 Routine On-site Method

Where property access permission had been granted, on-site observation and inspection of soils, vegetation, and hydrology were made using the "Routine Onsite" method of the 1987 manual. Field work was performed between July 1995 and May 1996. One-foot-diameter soil pits were excavated to a depth of 18 inches in selected locations. The soil profiles were examined for hydric soils and wetland hydrology field indicators. In addition, a visual percent-cover estimate of the dominant species of the plant community was estimated within a 30-foot-radius from each soil pit. Data were recorded in the field and subsequently transferred to standard wetland delineation data sheets (included in Appendix A). Data were collected for representative sampling locations, however, numerous soil pits were excavated between these data points to verify changes in the three parameters.

### 3.3.2 Routine Off-site Method

No on-site sampling could be conducted where property access permission had been denied or otherwise not explicitly approved. Therefore, off-site determinations were made on the basis of aerial photographic inspection, all available mapped attributes (i.e., field maps), and, where available, a reconnaissance from nearby public access vantage points. Observations from vantage points included documentation of dominant vegetative communities (forested, scrub/shrub, or emergent) and water regimes (such as ponded areas and obviously wet meadows). Approximate wetland boundaries were drawn on aerial photographs. Boundaries determined in this way may not be sufficiently accurate for state and federal

jurisdictional determinations because of the absence of actual on-site data. In addition, where views into properties from vantage points were not possible or were otherwise restricted, and where aerial photographic and mapped information was inconclusive, some wetland areas may have been missed and were not inventoried.

## 3.4 THE OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

To conduct an assessment of the relative quality of a wetland, OFWAM was developed by an interagency committee. The methodology is intended for use by planners, public officials, and community members for planning and educational purposes. Completion of this method provides basic information, which is not intended for evaluation of detailed, site-specific impacts on individual wetlands.

OFWAM is based on the idea that an understanding of the wetland system functions and conditions at local, state, and federal levels is necessary in order to make management decisions. Recommended uses of OFWAM include collection of basic information about wetlands in an assessment area, creation of a database of functions and conditions and other wetland data, support of decision-making and planning within a jurisdiction, and education. OFWAM requires that the same functions and conditions be evaluated for each wetland within a study area. This does not determine the wetland's overall value. The functions and conditions used in OFWAM are listed below. OFWAM is designed to be open-ended; therefore, this does not represent a complete list. Other functions and conditions may be added later, or some may be dropped if not important to the user.

### 3.4.1 Wetland Functions

**Wildlife Habitat**: Evaluates the habitat diversity for species usually associated with wetlands, without emphasizing one particular species. Wetlands assessed by OFWAM can provide diverse habitat for wildlife, habitat for some wildlife species, or have a wildlife habitat function that is lost or not present.

**Fish Habitat**: Evaluates how a wetland contributes to fish habitat in streams, ponds, or lakes associated with a wetland. The questions are suitable for both warmwater and coldwater fish and no particular species is emphasized. Wetlands assessed by OFWAM have a fish habitat function that is intact, impacted or degraded, or the function is lost or not present.

**Water Quality**: Evaluates the potential of a wetland to reduce the impacts of excess nutrients in stormwater runoff on downstream waters. A wetland assessed by OFWAM can have a water quality function that is intact, impacted or degraded, or the function is lost or not present.

**Hydrologic Control**: Evaluates the effectiveness of a wetland to reduce downstream flood peaks and store floodwaters. A wetland assessed by OFWAM can have a hydrologic control function that is intact, impacted or degraded, or the function is lost or not present.

**Education**: Evaluates the suitability of a wetland to provide educational opportunity and act as an "outdoor classroom." A wetland assessed by OFWAM can have educational uses, potential for educational use, or the wetland is not appropriate for educational use.

**Recreation**: Evaluates the suitability of a wetland and associated watercourses for non-powered boating, fishing, and similar recreational activities. A wetland assessed by OFWAM can provide, have the potential to provide, or is not appropriate for or does not provide recreational opportunities.

### 3.4.2 Wetland Conditions

**Enhancement Potential**: Evaluates the suitability of a degraded wetland for enhancement. A wetland providing this condition does not provide one or more of the functions assessed by OFWAM. A wetland fulfilling this condition, therefore, would be of lower overall quality than a wetland providing such features as wildlife habitat or fish habitat. A wetland assessed by OFWAM can have high, moderate, or little enhancement potential.

**Aesthetic Quality**: Evaluates the visual and aesthetic quality of the wetland. Wetlands can be considered pleasing, moderately pleasing, or not pleasing.

**Sensitivity to Impact**: Evaluates whether a wetland is susceptible to future impacts. For example, a wetland that is sensitive to secondary effects is not as resilient to human impacts as a wetland that has already been disturbed, such as agricultural wetlands.

## 4.0 PROJECT AREA CHARACTERISTICS

### 4.1 SETTING

The City of Philomath is located in the Willamette Valley in Benton County, Oregon. It is approximately 15 miles southwest of Albany, 60 miles south of Portland, and 48 miles north of Eugene. The city is bounded on the east by Corvallis, and on the south by the Marys River. Corvallis-Newport Highway 20 bisects the city roughly east to west. According to the 1992 Census, the population of Philomath is approximately 3,045.

The limits of the study area correspond with the UGB, which extends from one-quarter to one-half mile north of West Hills Road, to Chapel Drive in the south, east to Bellfountain Road/Mount Union Avenue, and west to Highway 34. It has an area of approximately 2,680 acres (Figure 1). The study area includes many intermittent and perennial streams, Newton Creek, and Marys River.

The project area is comprised of two drainage sub-basins associated with Marys River and Newton Creek. Each of these basins was assigned a unique code for wetland designation (for example, MR, and NC respectively).

## 4.2 TOPOGRAPHY

The project area is characterized by simple topography sloping gently from the foothills of the Coast Range in the north to the nearly level floodplain of the Marys River in the south. Elevations range from sea level to approximately 480 feet National Geodetic Vertical Datum (NGVD). A low series of small hills, the southernmost of which is Mount Union, are located in the eastern edge of the UGB. Of these hills, only Mount Union is within the UGB. Many small drainages cross the project site in shallow channels; however, Marys River and the southern portions of Newton Creek flow in channels with nearly vertical banks.

## 4.3 HYDROLOGY

Benton County is located within the Willamette River drainage basin. The project area is comprised of portions of two drainage sub-basins: Newton Creek and Marys River (Figure 2). Newton Creek flows south directly into Marys River. The Marys River subbasin drains south to Marys River, which flows toward the Willamette River, outside of the project area.

Newton Creek is comprised of the main stem and an East Fork. In addition to the named streams, there are many intermittent drainages that convey stormwater, direct precipitation, and groundwater. Most of the drainages within the study area drain into Newton Creek, however, a few drainages flow directly into Marys River. A few small excavated ponds are scattered in pastures throughout the study area and are used for irrigation or watering stock, or are abandoned stock ponds. In addition, several large log ponds have been created for the lumber industry.

## 4.4 SOILS

### 4.4.1 Overview

Most of the soils in the study area were formed from alluvial materials derived from mixed sources. Alluvium is material that has been deposited or is in transit by rivers and streams. The term "mixed" means that the soil particle sizes are generally unsorted.

There are five major soil associations mapped in the study area: The McAlpin-Abiqua association (map unit 2), the Waldo-Bashaw association (map unit 3), the Woodburn-Willamette association (map unit 5), the Dayton-Amity association (map unit 6), and the Dixonville-Philomath association (map unit 8).

The McAlpin-Abiqua association consists of moderately well-drained and well-drained silty clay loams that formed in recent alluvium on bottom lands, terraces, and alluvial fans along tributaries of the Willamette River. It is mapped in the southwestern portion of the study area, within the Marys River floodplain. The soils have slopes of 0-5%. It is 50% McAlpin soils and 35% Abiqua soils, with the remaining 15% made up of

Briedwell, Waldo, and minor areas of Chehalis, Cloquato, and Newberg soils. Most of this association is used for pasture, hay, grass seed, wildlife habitat, and recreation. The main limitation for homesite development is wetness resulting from a seasonally high water table of McAlpin soils.

The Waldo-Bashaw association consists of poorly drained silty clay loams and clays that formed in recent alluvium. This association is located on bottomlands of tributaries to the Willamette River and has slopes of 0-3%. Within the study area, this association is mapped in the lower part of the Newton Creek and East Fork Newton Creek drainage areas. The soils are subject to frequent flooding. Waldo soils comprise 50% and Bashaw soils 35% of the association, with the remaining 15% made up of McAlpin, Briedwell, and Abiqua soils. Areas of this unit are mainly used for ryegrass seed, pasture, and wildlife habitat. The main limitation of this association is flooding.

The Woodburn-Willamette association consists of moderately well-drained and well-drained silty loams that formed in mixed alluvium on alluvial terraces of the Willamette Valley. It is mapped along the southern boundary of the study area, east of the Marys River. This unit has slopes of 0-12% and is comprised of approximately 50% Woodburn, 35% Willamette, and minor extents of Dayton, Concord, Amity, and Malabon soils. This unit is used for grass seed, hay, orchard crops, small grain, recreation, and wildlife habitat.

The Dayton-Amity association consists of poorly drained and somewhat poorly drained silt loams that formed in mixed alluvium. It is located on alluvial terraces of the Willamette Valley and has slopes of 0-2%. This association is mapped in the central eastern side of the study area, along Highway 20. It is comprised of approximately 65% Dayton soils and 25% Amity soils, with a minor extent of Concord and Woodburn soils. This unit is used primarily for ryegrass seed, small grain, and wildlife habitat. The main limitation is a high seasonal water table and ponding.

The Dixonville-Philomath association consists of moderately deep, well-drained silty clay loams and silty clays that formed in colluvium from igneous rocks. Colluvium is material deposited by gravity (not by wind or water). It is located in the foothills along the margins of the Willamette Valley and has slopes of 3-50%. This association is mapped in the northern slopes of the study area, and is comprised of approximately 70% Dixonville soils and 15% Philomath soils, with the remaining 15% comprised of Abiqua, Witzel, Hazelair, McAlpin, Witham, Bashaw, and Waldo soils. This unit is used primarily for pasture, hay, grass seed, small grain, recreation, wildlife habitat, timber, and watershed. The main limitations of this association are shallow soils, erosion, and lack of irrigation water and water supplies for domestic use.

### 4.4.2 Soil Types

**Soils**

Sixteen soil types are mapped within the Philomath UGB. These soils are shown with their mapping codes in Table 1. In addition, hydric soils and soils with hydric inclusions and wet spots are also indicated in the table. Mapping units are shown in Figure 3.

**Table 1. Soil Types within the Philomath UGB**

| Soil Type | Map Code | Hydric* |
|---|---|---|
| Abiqua silty clay loam | AbB | No[1] |
| Amity silt loam | Am | No[1] |
| Bashaw silty clay loam | Ba | Yes |
| Bashaw clay | Bc | Yes |
| Bellpine silty clay loam | BeC, BeD, BeE | No[2] |
| Coburg silty clay loam | Cn | No[1] |
| Concord silt loam | Co | Yes |
| Conser silty clay loam | Cs | Yes |
| Dayton silt loam | Da | Yes |
| Dixonville silty clay loam | DnC, DnD, DnE | No |
| Dupee silt loam | Du | No |
| Malabon silty clay loam | Ma | No[2] |
| McAlpin silty clay loam | Mn | No[1] |
| Price silty clay loam | PrC | No |
| Waldo silty clay loam | Wa | Yes |
| Willamette silt loam | WeC | No |
| Witham silty clay loam | WkB | No[1] |
| Woodburn silt loam | WoA | No[2] |

*Notes: [1] may have inclusions of hydric soils
[2] may contain wet spots

Source: USDA SCS, 1975 (*Soil Survey of Benton County, Oregon*)
USDA SCS, 1989 (*Hydric Soils of Oregon by County*)

Abiqua silty clay loam, 0-3% slopes, is a deep, well-drained soil formed in fine-textured, mixed alluvium on alluvial fans, terraces, and bottom lands along tributary streams and drainageways. In a representative profile, the surface layer is very dark brown (7.5YR 5/3) silty clay loam about 17 inches thick. The subsoil is dark reddish-brown (5YR 3/3) silty clay loam about 13 inches thick. Permeability is moderately slow. This series is classified as a fine, mixed, mesic Cumulic Ultic Haploxeroll.

Amity silt loam, 0-2% slopes, consists of deep, somewhat poorly drained soils that formed in mixed alluvium on the Willamette Valley terraces. The surface layer is typically very dark grayish-brown (10YR 3/3) silt loam about 16 inches thick. The subsurface layer is very dark gray (10YR 3/1) silt loam about 6 inches thick. Permeability is moderately slow. This series is classified as a fine-silty, mixed, mesic Argiaquic Xeric Agialboll.

Bashaw clay, 0-3% slopes, consists of deep, poorly drained soils that formed in recent alluvium. It is found in small areas of narrow bands along small drainageways in foothills and on terraces. Permeability is very slow. In a typical profile, the surface layer is black (10YR 2/1) clay about 11 inches thick. The underlaying material is also black (10YR 2/1) clay about 21 inches thick. This soil series is classified as a very fine, montmorillonitic, mesic Typic Pelloxerert.

Bashaw silty clay loam has a soil profile similar to Bashaw clay, but the surface layer is heavy silty clay loam. Depth to the clay layer generally ranges from 10 to 18 inches. A silty clay layer is above the clay in some places. Permeability is moderate above the clay, and very slow in the clay.

Bellpine silty clay loam, 3-12, 12-20, and 20-30% slopes, is a moderately deep, well-drained soil that formed in colluvium weathered from sedimentary rocks. In a representative profile the surface layer is dark reddish-brown (5YR 3/3) silty clay loam about 6 inches thick. The subsoil is dark-red (2.5YR 3/6) and dark reddish-brown (5YR 3/4) silty clay loam, silty clay, and clay about 20 inches thick. Bellpine silty clay loam is classified as a clayey, mixed, mesic, Xeric Haplohumult. Permeability is slow.

Coburg silty clay loam is a deep, moderately well-drained soil that formed in mixed alluvium. It occupies medium-sized areas parallel to the Willamette River floodplains. The surface layer is typically very dark brown (10YR 2/3) silty clay loam about 11 inches thick. The subsoil is very dark brown (10YR 2/3) and dark-brown (10YR 3/3) silty clay loam about 32 inches thick. This soil is classified as a fine, mixed, mesic Pachic, Ultic Argixeroll. Permeability is moderately slow.

Concord silt loam consists of deep, poorly drained soils that formed in silty alluvium. This soil occupies narrow bands in drainageways and depressions on broad valley terraces. In a typical profile, the surface layer is dark grayish-brown (10YR 4/2) silt loam about 6 inches thick. The subsurface layer is also dark grayish-brown silt loam about 20 inches thick. The subsoil is grayish-brown (2.5YR 5/2) silty clay loam about 12 inches thick. This soil is classified as a fine, montmorillonitic, mesic, Typic Ochraqualf. Permeability is slow.

Conser silty clay loam consists of deep, poorly drained soils that formed in mixed alluvium. These soils are in slightly depressional area in drainageways on the main valley terraces. The surface layer is usually very dark grayish brown (10YR 3/2) silty

clay loam about 9 inches thick, underlain by a subsurface layer of very dark gray (10YR 3/1) heavy clay loam about 8 inches thick. Permeability of this soil is slow, with runoff slow to ponded. Conser silty clay loam is classified as a fine, mixed, mesic, Typic Argiaquoll.

Dayton silt loam, 0-2% slopes, is a deep, poorly drained soil found in the Willamette Valley terraces that parallel the floodplain along the Willamette River. These soils formed in water-deposited silt underlain by older materials and are classified as a fine, montmorillonitic, mesic Typic Albaqualf. In a representative profile, the surface layer is dark grayish-brown (10YR 4/2) silt loam about 8 inches thick and the subsurface is gray (10YR 5/1) silty clay loam about 7 inches thick. The subsoil is dark-gray (2.5Y 4/1) and dark grayish-brown (10YR 4/2) clay and silty clay about 30 inches thick. Permeability is very slow.

Dixonville silty clay loam, 12-20 and 20-30% slopes, consists of well-drained moderately deep soils that formed in colluvium weathered from basic igneous rocks. This soil occupies low foothills and steep upland areas. This series is classified as a fine, mixed, mesic Pachic, Ultic Argixeroll. The surface layer is typically very dark brown (10YR 2/2) and very dark grayish-brown (10YR 3/2) silty clay loam and silty clay about 13 inches thick. The subsoil is very dark brown (10YR 2/2) and dark-brown (7.5YR 4/4) silty clay and clay about 24 inches thick. Permeability is slow.

Dupee silt loam is classified as a fine, mixed, mesic Aquultic Haploxeralf. It consists of deep, moderately drained to somewhat poorly drained soils that formed in mixed colluvium underlain by sedimentary bedrock. This soil is located in swales and depressions and on foot slopes on uplands. The surface layer is typically dark brown (7.5YR 3/4) silt loam that is 14 inches thick. The subsoil is a dark brown (7.5YR 4/4) heavy silty clay loam and clay about 38 inches thick. Runoff is moderately slow to medium and permeability is moderately slow.

Malabon silty clay loam is classified as a fine, mixed, mesic Pachic Ultic Argixeroll. These deep, well-drained soils formed in mixed alluvium. In a typical profile, the surface layer is very dark grayish-brown (10YR 3/2) silty clay loam about 6 inches thick and the subsoil is very dark grayish brown (10YR 3/2), very dark brown (10YR 3/3) and dark-brown (10YR 4/3) silty clay loam and silty clay about 36 inches thick. Permeability is moderately slow.

McAlpin silty clay loam is a deep, moderately well-drained soil that formed in alluvium weathered from basic igneous rocks. These soils occupy areas along tributaries and drainageways in the foothills in the northern half of the county. The surface layer is typically dark-brown (7.5YR 3/2) silty clay loam about 14 inches thick. The subsoil is about 60 inches thick or more and is very dark grayish-brown (7.5YR 3/2), dark-brown (7.5YR 4/4), and brown (7.5YR 5/4) silty clay. This series is classified as a fine, mixed, mesic Cumulic Ultic Haploxeroll. Permeability is moderately slow.

Price silty clay loam is classified as a fine, mixed mesic Dystric Xerochrept. It is a deep, well-drained soil that formed in colluvium and residuum weathered from basic igneous rock, and is found on uplands that extend west into the mountainous areas.

The surface layer is dark reddish brown (5YR 3/3) silty clay loam approximately 5 inches thick. The subsoil is dark reddish brown (5YR 3/4 and 2.5YR 3/4) silty clay and gravelly clay about 45 inches thick. Runoff is slow to medium and permeability is moderately slow.

Waldo silty clay loam is a deep, poorly drained soil with slow permeability that formed in recent alluvium. It is found in areas along the streams and drainageways of foothills. The soil is classified as a fine, mixed, mesic Fluvaquentic Haplaquoll. The surface layer is approximately 11 inches thick and black (10YR 2/1) silty clay loam and silty clay. The subsoil is dark-gray (N 4/0) and gray (N 6/0) clay about 37 inches thick. Runoff and permeability are slow.

Willamette silt loam, 3-12% slopes, is a deep, well-drained soil that formed in silty alluvium on broad terraces above floodplains in the Willamette Valley. The soil is classified as a fine-silty, mixed, mesic Fluvaquentic Haplaquoll. Typically the surface layer is a very dark grayish-brown (10YR 3/2) and dark brown (10YR 3/3) silt loam about 21 inches thick. The subsoil is dark-brown (10YR 3/3) silt loam that extends to a depth of 60 inches or more. Runoff is slow and permeability is moderate.

Witham silty clay loam is a deep, somewhat poorly drained soil with very slow permeability. This soil is located in alluvial terraces and fans, and is formed in alluvium. A typical profile for Witham silty clay loam is a surface layer of very dark grayish-brown (10YR 3/2) silty clay loam about 4 inches thick. The subsoil is very dark grayish-brown (10YR 3/2) and dark-brown (10YR 3/3) silty clay and clay about 25 inches thick. This series is classified as a fine, montmorillonitic, mesic Vertic Haploxeroll.

Woodburn silt loam, 0-3% slopes, is a deep, moderately well drained soil with slow permeability that formed in silty alluvium. These soils are on broad valley terraces. The surface layer is typically 16 inches thick of very dark grayish-brown (10YR 3/2) and dark brown (10YR 3/2) silt loam. The subsoil is dark-brown (10YR 4/3) silt loam and silty clay loam and about 60 inches thick. This series is classified as a fine-silty, mixed, mesic Aquultic Argixeroll.

## 4.5 VEGETATION

### 4.5.1 Overview

Philomath is located in the Interior Valley zone of Western Oregon (Franklin and Dyrness, 1973). This zone is the warmest and driest region west of the Cascade Range, due to its position in the rain shadow of the Coast and Silky Ranges. This zone is separated into three units, the Umpqua River, Rogue River, and Willamette Valleys. Philomath is located in the Willamette Valley, an area which has been settled since the middle 19th century, and since that time has been subject to extensive human impact. It is dominated by an Oregon white oak (*Quercus garryana*) and poison oak (*Rhus diversiloba*) woodland community. Bigleaf maple (*Acer macrophyllum*) and Douglas fir (*Pseudotsuga menziesii*) also are listed as dominant overstory species within this

region. In addition to the oak woodland community, grasslands also are a dominant feature. Grasslands in this area have been converted for grazing and agricultural uses. Detailed descriptions of native plant communities in western Oregon can be found in *Natural Vegetation of Oregon and Washington* (Franklin and Dyrness, 1973).

### 4.5.2 Vegetation Communities

Plant communities occurring in Philomath include deciduous forest, deciduous-scrub/shrub, developed-urban, riparian, pasture grasslands, and wetland. Wetland communities can be further described as palustrine-open water, palustrine-emergent, palustrine-shrub/scrub, and palustrine-forested, following the classification system adopted by the USFWS (Cowardin, et. al., 1979).

#### Deciduous Forest

Oregon white oak (*Quercus garryana*) and bigleaf maple (*Acer macrophyllum*) generally codominate the overstory with deciduous species such as willow (*Salix* spp.), and red alder (*Alnus rubra*) also present. Common shrub species include clustered rose (*Rosa pisocarpa*), Indian plum (*Oemleria cerasiformis*), and poison oak (*Rhus diversiloba*). The herbaceous layer is generally dominated by species such as sword fern (*Polystichum munitum*), stinging nettle (*Urtica dioica*), fringecup (*Tellima grandiflora*), and Pacific sanicle (*Sanicula crassicaulis*).

#### Scrub/Shrub

Upland scrub/shrub communities are generally found on disturbed sites that have been cleared, graded, or logged in recent years. Shrub communities are dominated by saplings of such trees as red alder (*Alnus rubra*), along with shrubs such as western serviceberry (*Amelanchier alnifolia*), clustered rose, and one-seeded hawthorn (*Crataegus monogyna*). Woody vine species such as California dewberry (*Rubus ursinus*) and Himalayan blackberry (*Rubus discolor*) may be present.

#### Developed-Urban

Plant communities shaped by human residential and past agricultural development are found throughout the study area. Most of the developed land area consists of industrial areas (a few large mill sites), residences, commercial buildings, sidewalks, roads, and yards. Vegetated areas typically are dominated by introduced species, both weeds and ornamentals. Weedy grasses and forbs dominate open areas subject to more frequent disturbance.

#### Riparian Communities

Riparian forests are generally similar to the upland deciduous forests, although species preferring wetter sites are more common. Oregon ash (*Fraxinus latifolia*) codominate with black cottonwood (*Populus trichocarpa*), red alder, and willow. In addition, the shrub layer is often dense and composed of species such as willow, red-osier dogwood (*Cornus stolonifera*), and salmonberry. Herbaceous species may dominate the

understory, with Cooley's hedgenettle (*Stachys cooleyae*), camas lily (*Camassia quamash*), and cow's parsnip (*Heracleum lanatum*) being common associates. Riparian communities often are associated with or may overlap wetland plant communities.

**Wetland Communities**

Wetland areas are generally transitional between upland or riparian areas and aquatic sites with permanent open water. In many cases, however, open water is seldom (if ever) present and the wetland occupies a position where the groundwater table comes close to the surface for an extended period sometime during the growing season.

Palustrine-forested wetlands in the area are dominated by such species as Oregon ash, red alder, and willow. Palustrine scrub/shrub wetlands may have a high proportion of saplings of the above species, with the addition of such common shrubs as salmonberry (*Rubus spectabilis*), Douglas' spiraea (*Spiraea douglasii*), and clustered rose. Palustrine-emergent wetlands are dominated by herbaceous species such as skunk cabbage (*Lysichitum americanum*), slough sedge (*Carex obnupta*), soft rush (*Juncus effusus*), creeping buttercup (*Ranunculus repens*), stinging nettle, and water parsley (*Oenanthe sarmentosa*).

### 4.5.3 Wetland and Upland Indicator Species

Species lists of commonly encountered plants along with their status have been prepared for all regions of the country by the USFWS (1988 with 1993 supplement). The status of a particular plant, as discussed in Section 2.2.1, is the probability of that plant occurring in a wetland. Many plants, however, are found in transitional areas between wetlands and uplands. These areas are usually characterized by flat to gradually sloping terrain where the species composition may not reflect true wetland boundaries. In such areas, a species with a status of FACU may extend into the wetland areas, just as FACW species may be present in upland areas.

Table 2 shows a non-comprehensive listing of indicator species often encountered in the wetland and associated upland habitats of the survey area.

**Table 2. Plant Species Observed within UGB for Philomath, Oregon**

**Upland Trees**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Acer macrophyllum* | bigleaf maple | FACU |
| *Alnus rubra* | red alder | FAC |
| *Quercus garryana* | Oregon white oak | UPL |
| *Pseudotsuga menziesii* | Douglas fir | *FACU |
| *Tsuga heterophylla* | western hemlock | FACU- |

**Wetland Trees**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Alnus rubra* | red alder | FAC |
| *Fraxinus latifolia* | Oregon ash | FACW |
| *Salix lasiandra* | Pacific willow | FACW+ |
| *Salix hookeriana* | hooker willow | FACW- |
| *Salix* sp. | willow species | FAC |
| *Thuja plicata* | western red cedar | FAC |

**Upland Saplings/Shrubs**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Amelanchier alnifolia* | western serviceberry | FACU |
| *Corylus cornuta* | beaked hazel-nut | FACU |
| *Crataegus douglasii* | Douglas' hawthorn | FAC |
| *Crataegus monogyna* | one-seeded hawthorn | *FACU+ |
| *Cytisus scoparius* | Scot's broom | UPL |
| *Lonicera involucrata* | four-line honeysuckle | *FAC+ |
| *Oemleria cerasiformis* | Indian plum | FACU |
| *Physocarpus capitatus* | Pacific ninebark | FACW- |
| *Pinus ponderosa* | Ponderosa pine | FACU- |
| *Prunus emarginata* | bitter cherry | *FACU |
| *Prunus* sp. | ornamental cherry | UPL |
| *Pyrus malus* | cultivated apple | UPL |
| *Rhamnus purshiana* | cascara buckthorn | FAC- |
| *Rhus diversiloba* | poison oak | UPL |
| *Rosa multiflora* | multi-flowered rose | UPL |
| *Rosa nutkana* | nootka rose | FAC |
| *Rosa pisocarpa* | clustered rose | FAC |
| *Rubus parviflorus* | western thimble-berry | FAC- |
| *Sambucus racemosa* | red elderberry | FACU |
| *Symphoricarpos albus* | snowberry | FACU |

**Wetland Saplings/Shrubs**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Cornus stolonifera* | red-osier dogwood | FACW |
| *Fraxinus latifolia* | Oregon ash | FACW |
| *Physocarpus capitatus* | Pacific ninebark | FACW- |
| *Pyrus fusca* | western crabapple | FACW |
| *Rosa eglanteria* | sweetbriar rose | *FACW |
| *Rubus spectabilis* | salmonberry | FAC+ |
| *Salix hookeriana* | hooker willow | FACW- |
| *Salix lasiandra* | Pacific willow | FACW+ |
| *Salix scouleriana* | Scouler's willow | FAC |
| *Salix* sp. | willow species | FAC |
| *Salix sitchensis* | Sitka willow | FACW |
| *Spiraea douglasii* | Douglas' spiraea | FACW |

**Upland Herbs**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Agrostis tenuis* | colonial bentgrass | FAC |
| *Allium* sp. | onion species | FACU |
| *Anthoxanthum odoratum* | sweet vernal grass | FACU |
| *Bromus secalinus* | ryebrome | UPL |
| *Bromus* sp. | brome | FACU |
| *Centaurea* sp. | knapweed species | UPL |
| *Centaurium umbellatum* | centaury | FAC |
| *Cirsium arvense* | creeping thistle | FACU+ |
| *Chrysanthemum leucanthemum* | oxeye daisy | UPL |
| *Claytonia sibirica* | Siberian springbeauty | FAC |
| *Convolvulus arvensis* | field bindweed | UPL |
| *Cynosurus cristatus* | crested dog-tail grass | UPL |
| *Cynosurus echinatus* | hedgehog dog's tail grass | UPL |
| *Dactylis glomerata* | orchard grass | FACU |
| *Daucus carota* | Queen Anne's lace | UPL |

**Upland Herbs (continued)**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Elymus caput-medusae* | medusahead wild-rye | UPL |
| *Elymus glaucus* | blue wild-rye | FACU |
| *Epilobium paniculatum* | autumn willow-herb | UPL |
| *Festuca arundinacea* | tall fescue | FAC- |
| *Festuca rubra* | red fescue | FAC+ |
| *Fragaria* sp. | strawberry species | UPL |
| *Fragaria virginiana* | Virginia strawberry | *FACU |
| *Galium aparine* | catchweed bedstraw | FACU |
| *Geranium carolinianum* | Carolina geranium | UPL |
| *Grindelia nana* | Idaho gumweed | FACU+ |
| *Hedera helix* | English ivy | UPL |
| *Heracleum lanatum* | cow parsnip | FAC+ |
| *Hydrophyllum tenuipes* | Pacific water-leaf | UPL |
| *Hypericum perforatum* | common St. John's wort | UPL |
| *Hypochaeris radicata* | hairy cats-ear | UPL |
| *Lamium purpureum* | red dead-nettle | UPL |
| *Linum perenne* | blue flax | UPL |
| *Lolium perenne* | perennial ryegrass | FACU |
| *Lotus purshiana* | Spanish clover | UPL |
| *Luzula* sp. | woodrush | FACU |
| *Madia sativa* | coast tarweed | UPL |
| *Parentucellia viscosa* | parentucellia | FAC- |
| *Perideridia gairdneri* | Gairdner's yampah | *FAC |
| *Phleum pratense* | timothy | FAC- |
| *Plantago lanceolata* | English plantain | FAC |
| *Polystichum munitum* | sword fern | FACU |
| *Prunella vulgaris* | red dead nettle | FACU+ |
| *Sanicula crassicaulis* | Pacific sanicle | UPL |

**Upland Herbs (continued)**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Sonchus asper* | prickly sowthistle | FAC- |
| *Stellaria media* | common chickweed | FACU |
| *Taraxacum officinale* | common dandelion | FACU |
| *Tellima grandiflora* | fringecup | UPL |
| *Thalictrum occidentale* | western meadow-rue | *FACU |
| *Trifolium pratense* | red clover | FACU |
| *Trifolium repens* | white clover | *FAC |
| *Urtica dioica* | stinging nettle | FAC+ |
| *Vicia sativa* | common vetch | UPL |
| *Vicia* sp. | vetch species | UPL |
| *Wyethia* sp. | mule ears | FACU |

**Wetland Herbs**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Agrostis alba* | redtop | *FAC |
| *Agrostis stolonifera* | spreading bentgrass | *FAC |
| *Agrostis tenuis* | colonial bentgrass | FAC |
| *Alisma plantago-aquatica* | broad-leaf water plantain | OBL |
| *Alopecurus geniculatus* | water foxtail | OBL |
| *Alopecurus pratensis* | meadow foxtail | FACW |
| *Beckmannia syzigachne* | American sloughgrass | OBL |
| *Boisduvalia densiflora* | dense-flower spike-primrose | FACW- |
| *Camassia quamash* | camas lily | *FACW |
| *Carex densa* | dense sedge | OBL |
| *Carex deweyana* | Dewey's sedge | *FACU |
| *Carex obnupta* | slough sedge | OBL |
| *Carex praticola* | northern meadow sedge | FACW |
| *Carex* sp. | sedge species | FACW |
| *Carex stipata* | sawbeak sedge | OBL |
| *Carex unilateralis* | one-sided sedge | FACW |

**Wetland Herbs (continued)**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Deschampsia cespitosa* | tufted hairgrass | FACW |
| *Dipsacus sylvestris* | teasle | FAC |
| *Downingia elegans* | common downingia | OBL |
| *Eleocharis palustris* | creeping spikerush | OBL |
| *Eleocharis* sp. | spikerush species | OBL |
| *Epilobium watsonii* | Watson's willow-herb | FACW- |
| *Equisetum arvense* | field horsetail | FAC |
| *Eryngium petiolatum* | Oregon coyote thistle | OBL |
| *Festuca arundinacea* | tall fescue | FAC- |
| *Geum macrophyllum* | large-leaf avens | *FACW- |
| *Glyceria elata* | tall manna grass | FACW+ |
| *Glyceria* sp. | manna grass | OBL |
| *Gnaphalium* sp. | cudweed species | FAC |
| *Holcus lanatus* | common velvet grass | FAC |
| *Hordeum brachyantherum* | meadow barley | *FACW- |
| *Juncus bufonius* | toad rush | FACW |
| *Juncus effusus* | soft rush | FACW |
| *Juncus ensifolius* | dagger-leaf rush | FACW |
| *Juncus patens* | spreading rush | FACW |
| *Juncus* sp. | rush species | FACW |
| *Juncus tenuis* | slender rush | FACW- |
| *Lotus corniculatus* | birds-foot trefoil | FAC |
| *Ludwigia palustris* | marsh seedbox | OBL |
| *Lysichitum americanum* | yellow skunk-cabbage | OBL |
| *Melissa officionalis* | lemon balm | UPL |
| *Mentha arvensis* | field mint | FACW- |
| *Mentha piperita* | peppermint | FACW+ |
| *Mentha pulegium* | penny-royal | OBL |
| *Mentha* sp. | mint species | NI |

**Wetland Herbs (continued)**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Mentha spicata* | spearmint | OBL |
| *Mitella* sp. | bishop's cap species | FAC |
| *Montia fontana* | fountain miner's lettuce | OBL |
| *Myosotis* sp. | forget-me-not | FAC |
| *Myosotis discolor* | yellow and blue forget-me-not | FACW |
| *Myosotis laxa* | bay forget-me-not | OBL |
| *Oenanthe sarmentosa* | water-parsley | OBL |
| *Phalaris arundinacea* | reed canarygrass | FACW |
| *Plagiobothrys figuratus* | fragrant popcorn flower | FACW |
| *Plantago lanceolata* | English plantain | FAC |
| *Poa annua* | annual bluegrass | FAC |
| *Poa pratensis* | Kentucky bluegrass | FAC |
| *Potentilla anserina* | silverweed | OBL |
| *Ranunculus alismifolius* | dwarf buttercup | FACW |
| *Ranunculus aquatilis* | white water buttercup | OBL |
| *Ranunculus occidentalis* | western buttercup | FAC |
| *Ranunculus orthorhynchus* | straight-beak buttercup | FACW- |
| *Ranunculus repens* | creeping buttercup | FACW |
| *Ranunculus* sp. | buttercup | FACW |
| *Rorippa nasturtium-aquaticum* | watercress | OBL |
| *Rumex conglomeratus* | clustered dock | FACW |
| *Rumex crispus* | curly dock | FAC+ |
| *Scirpus acutus* | hard-stem bulrush | OBL |
| *Scirpus microcarpus* | small-fruit bulrush | OBL |
| *Solanum dulcamara* | climbing nightshade | FAC+ |
| *Stachys cooleyae* | Cooley's hedgenettle | FACW |
| *Tolmiea menziesii* | piggy-back plant | FAC |
| *Typha latifolia* | broad-leaf cattail | OBL |

**Wetland Herbs (continued)**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Veronica americana* | American speedwell | OBL |
| *Veronica peregrina* | purslane speedwell | OBL |
| *Veronica serpyllifolia* | thyme-leaf speedwell | FAC |

**Woody Vines**

| Scientific Name | Common Name | R9-Ind. |
|---|---|---|
| *Rubus discolor* | Himalayan blackberry | FACU |
| *Rubus ursinus* | California dewberry | FACU |

# 5.0 DISCUSSION AND CONCLUSIONS

## 5.1 U.S. FISH AND WILDLIFE SERVICE NATIONAL WETLAND INVENTORY AREAS

The USFWS, as part of the NWI program, has mapped wetland in the study area (Figure 4). The NWI maps are generated primarily on the basis of interpretation of relatively small-scale color infrared aerial photographs (for example, scale of 1:58,000) with limited "ground truthing" conducted to confirm the interpretations.

The wetlands and deepwater habitats within the study area are classified as palustrine, riverine, and lacustrine according to the Cowardin system.

Palustrine combines vegetated freshwater wetlands traditionally called marshes, swamps, bogs, fens, wet prairies, and small, shallow, permanent, or intermittent water bodies called ponds that are less than 2 meters (6.6 feet) deep. This classification applies to emergent, scrub/shrub, and forested wetland areas. The palustrine system encompasses the greatest extent of wetlands in the study area. The largest areas of palustrine wetlands occur in association with the drainages and the log ponds.

The riverine classification corresponds with wetland and aquatic habitats contained within a channel that are not dominated by vegetation. Perennial and intermittent drainages, such as the upper portions of Newton Creek and all of Marys River, are in this system.

Lacustrine systems are wetlands and deepwater habitats that are situated in a topographic depression or a dammed river channel, have less than 30% areal coverage of vegetation, and exceed 2 meters (6.6 feet) in the deepest part of the basin. The largest log pond located in the Willamette Industries mill site in the eastern portion of the UGB is in this classification.

Few wetland areas are mapped within the urbanized areas of Philomath. This is probably because most wetlands in the project area are associated with drainages and the drainages are culverted through the most developed portions of the city. Also, smaller wetlands are not readily identifiable at the scale of mapping used in the NWI. SRI/SHAPIRO's inventory has identified riverine and palustrine areas within the urbanized portions of Philomath.

## 5.2 LOCAL WETLANDS INVENTORY RESULTS

### 5.2.1 Total Wetland Acreage

Figure 5 illustrates the 40 wetland areas identified by the LWI. Total wetland acreage is approximately 449 acres.

Most of the wetland areas were identified using the routine on-site method of the 1987 manual. In areas where property access was denied, wetland boundaries were delineated off-site using aerial photographs, topographic maps, observation from adjacent properties, and other pertinent information (refer to Section 3.3.2).

### 5.2.2 Distribution and Classification of Wetlands

Most of the wetland areas are located in the Newton Creek drainage subbasin, which is the largest in the project area. Within the Philomath UGB, Marys River basin has a smaller area, with fewer wetlands.

The Newton Creek watershed encompasses approximately 1,870 acres. Twenty seven wetlands, totalling approximately 409 acres are located in this basin. These wetlands can be classified in order of area coverage, as palustrine scrub/shrub (115.97 acres), palustrine emergent (222.23 acres), palustrine forested (64.85 acres), and open water (5.87 acres). The largest wetland area (NC-27, 128.09 acres) is located in the eastern portion of the UGB north of the Southern Pacific Railroad tracks and south of West Hills Road. The second largest wetland area (NC-14, 94.64 acres) is located in the same area, but south of the Southern Pacific railroad tracks and north of Highway 20 on the Willamette Industries Mill site. These large wetland areas are hydrologically connected by culverts under the railroad tracks. Another large palustrine scrub/shrub wetland (NC-8, 39.10 acres) occurs north of NC-27 and north of West Hills Road and is associated with drainages that convey water into NC-27. Several moderate-sized wetland areas (NC-4, 26.11 acres; NC-5, 14.70 acres; and NC-25, 11.84 acres) are located in the relatively level area west of NC-27 and NC-14. Most of these wetlands are associated with drainages. Two large wetland areas (NC-21, 26.07 acres; and NC-19, 9.55 acres) associated with seeps and the creek are located at the southern end of Newton Creek mainstem and East Fork.

The remaining watershed within the UGB is the Marys River basin, which encompasses approximately 810 acres of floodplain. Thirteen wetland areas were identified, totalling approximately 49 acres. These wetlands can be classified in order of area coverage, as palustrine forested (24.04 acres), palustrine emergent (18.59 acres), palustrine scrub/shrub (5.34 acres), and open water (1.22 acres). The largest of these

are palustrine forested and palustrine emergent wetlands located south of Applegate Street and east of South 13th Street (MR-12, 7.20 acres). Other wetlands in this basin are associated with small drainages, shallow depressions and old oxbows and riparian areas along Marys River.

Table 3 is a summary of the wetland types found in the study area, organized by sub-drainage basin. Appendix B contains wetland summary sheets for all of the wetlands and intermittent drainageways identified through the LWI.

## 6.0 OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

The OFWAM was applied to each of the wetland areas. The methodology provides qualitative information on the relative value of wetlands based on a series of questions related to wetland functions. The following functions are assessed: wildlife habitat, fish habitat, water quality, hydrologic control, sensitivity to impact, enhancement potential, education, recreation, and aesthetic quality. Each function is assessed by criteria that gives an indication of whether a wetland function is (1) intact, (2) is impacted or degraded, or (3) is lost or not present. Section 3.4.1 of this document lists and provides descriptions of these functions and conditions.

In general, a wetland received a higher ranking if the following conditions were met: is associated with a perennial water source; has a variety of Cowardin classes; is hydrologically connected to other wetlands or bodies of water; and is located within the 100-year floodplain as identified on Federal Emergency Management Agency maps (FEMA, 1986). These factors increase the value the wetland provides for fish and wildlife habitat, water quality, and hydrologic control. The size of a wetland also is related to the functions and resilience of the system.

Lower scores were received if the above conditions were not met, if the wetland was degraded or modified, if there was no buffer around the wetland, or if data show that water quality in the drainage was degraded.

The OFWAM results and a summary of the functions and conditions for each wetland are included in Appendices C and D, respectively.

OFWAM contains a method to assess whether any wetlands within the study area should be considered Wetlands of Special Interest for Protection. The method assesses whether the wetland is currently in a management plan, is protected by regulatory rules or statutes, or is uncommon in Oregon. The presence of rare, threatened, or sensitive species within an area makes the wetland a potential wetland of Special Interest for Protection. An affirmative answer to any one of a series of additional questions will place the wetland into a category for protection. This information should be used in management decisions for a site. An evaluation of the functions and conditions of each wetland will assist in an overall evaluation of the wetlands in the assessment area. We have answered these questions for the entire assessment area making note of individual wetlands that meet the criteria.

## Table 3. USFWS Wetland Classification*

| Wetland Code | USFWS Wetland Classification | | | | Total Acreage |
|---|---|---|---|---|---|
| | PEM | PFO | PSS | POW | |
| MR-1 | 0.38 | 0.50 | | | 0.88 |
| MR-2 | | 0.76 | | | 0.76 |
| MR-3 | 2.82 | 4.55 | | | 7.37 |
| MR-4 | 0.90 | 1.33 | | 0.40 | 2.63 |
| MR-5 | 1.00 | | 2.84 | | 3.84 |
| MR-6 | 2.82 | | 0.60 | | 3.42 |
| MR-7 | | 5.21 | | | 5.21 |
| MR-8 | 4.00 | 5.55 | 0.50 | | 10.05 |
| MR-9 | 0.20 | 1.90 | | | 2.10 |
| MR-10 | 0.73 | | | | 0.73 |
| MR-11 | 1.50 | | | | 1.50 |
| MR-12 | 3.00 | 2.80 | 1.40 | | 7.20 |
| MR-13 | 1.24 | 1.44 | | 0.82 | 3.50 |
| **Sub-Total** | 18.59 | 24.04 | 5.34 | 1.22 | 49.19 |
| NC-1 | 1.00 | 3.90 | | 0.10 | 5.00 |
| NC-2 | 1.30 | | 0.08 | | 1.38 |
| NC-3 | 0.53 | | 0.40 | 4.50 | 5.43 |
| NC-4 | 12.71 | 6.40 | 7.00 | | 26.11 |
| NC-5 | 6.00 | 8.70 | | | 14.70 |
| NC-6 | 1.00 | 1.14 | 1.00 | | 3.14 |
| NC-7 | 1.12 | | 0.80 | | 1.92 |
| NC-8 | 32.10 | | 7.00 | | 39.10 |
| NC-9 | 3.60 | | 2.00 | | 5.60 |
| NC-10 | 1.14 | | 0.50 | | 1.64 |
| NC-11 | 4.02 | | | | 4.02 |
| NC-12 | 1.62 | | 0.64 | | 2.26 |
| NC-13 | 0.45 | | 0.31 | | 0.76 |
| NC-14 | 50.62 | 6.80 | 35.95 | 1.27 | 94.64 |
| NC-15 | 3.41 | 4.00 | | | 7.41 |
| NC-16 | 1.90 | | 0.30 | | 2.20 |
| NC-17 | 0.50 | | 1.28 | | 1.78 |
| NC-18 | 0.30 | 0.81 | 0.20 | | 1.31 |
| NC-19 | 3.00 | 1.50 | 5.05 | | 9.55 |
| NC-20 | 0.12 | 1.00 | 1.00 | | 2.12 |
| NC-21 | 9.00 | 8.00 | 9.07 | | 26.07 |
| NC-22 | 1.14 | | 1.00 | | 2.14 |
| NC-23 | 0.61 | 2.60 | | | 3.21 |
| NC-24 | 0.10 | | 4.30 | | 4.40 |
| NC-25 | 11.84 | | | | 11.84 |
| NC-26 | 3.10 | | | | 3.10 |
| NC-27 | 70.00 | 20.00 | 38.09 | | 128.09 |
| **Sub-Total** | 222.23 | 64.85 | 115.97 | 5.87 | 408.92 |
| **Total Acres:** | **240.82** | **88.89** | **121.31** | **7.09** | **458.11** |

* Wetland type according to wetland designations and the classification system developed by the USFWS and included in "Classification of Wetlands and Deepwater Habitats of the United States" (Cowardin et al, 1979)

## 7.0 REFERENCES


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_____ 1993. *List of Plant Species that Occur in Wetlands (Region 9): 1993 Supplement*. Washington D.C.

U.S. Geological Survey topographic map (Wren, OR, 1:24,000, 7.5-minute quadrangle, 1984, provisional edition; and Corvallis, OR 1:24,000, 7.5-minute quadrangle, 1969, photorevised 1986).

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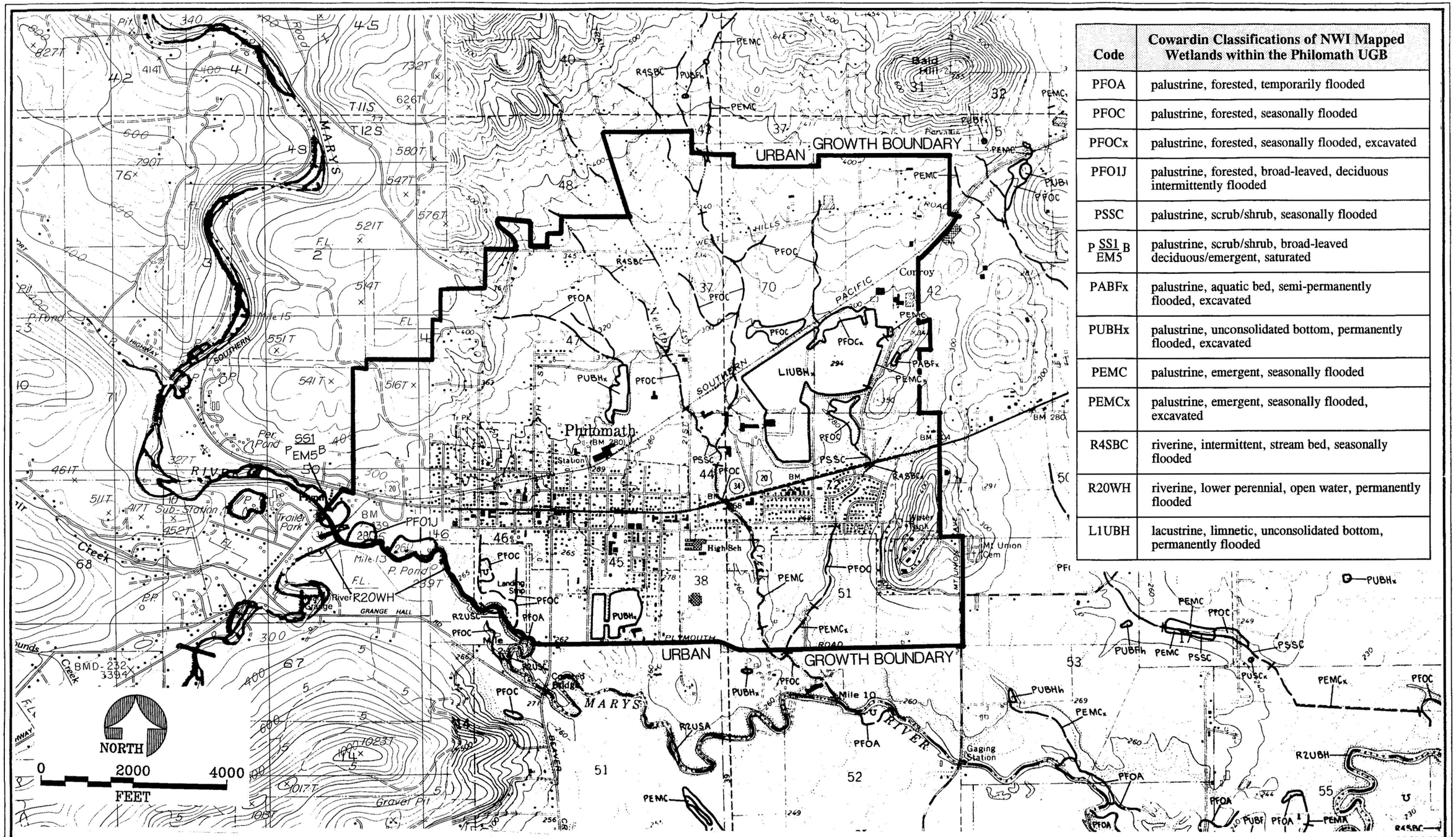
Several wetlands fit the criteria for protection as a result of the assessment. A number of wetlands within the study area have had confirmed sightings of federal or state listed threatened endangered or sensitive species. Wetland areas MR-7, MR-8, MR-9 along the Marys River have had confirmed sightings of northwestern pond turtle (*Clemmys marmorata marmorata*; Federal status - Species of Concern, State status - Sensitive-Critical; source - personal communication with Dr. Doug Cottam, Oregon Department of Fish and Wildlife). A pond previously used as a mill pond (NC-14a) on the Willamette Industries mill site has had confirmed sightings of northwestern pond turtles (source - Oregon Natural Heritage Database [ONHDB]).

A swale in the west end of NC-27 contains sightings of Nelson's checker-mallow (*Sidalcea nelsoniana*; Federal and state status - Listed Threatened; source - ONHDB). Nelson's checker-mallow was sighted at the southern end of NC-5 in the Newton Creek area. Nelson's checker-mallow was sighted from 1985 every year in a weedy lot adjacent to Highway 20 at the southern end of NC-15. After a mowing in 1994 no plants have been sighted, therefore, presence is unknown at this time.

Kincaid's lupine (*Lupinus sulphureus* ssp. *kincaidii*; Federal status - Species of Concern, State status - Listed Threatened; source - ONHDB) has been sighted and collected in open upland fields in many areas in association with NC-27 including a small knoll in the northwest corner. Fender's blue Butterfly (*Icaricia icarioides fenderi*; Federal status - Species of Concern, no state status) has also been sighted in the area of the small knoll in the northwest corner of NC-27.

Several wetlands are located within two city parks. These protected wetlands are: the southern half of NC-20; the northern tip of NC-21; most of MR-8, and the western edge of MR-9.

The eastern portion of NC-4 and the eastern portion of NC-27 each contain a wetland vegetation community dominated by tufted hairgrass (*Deschampsia cespitosa*). This wetland vegetation community type is considered imperiled because of its rarity in Oregon.

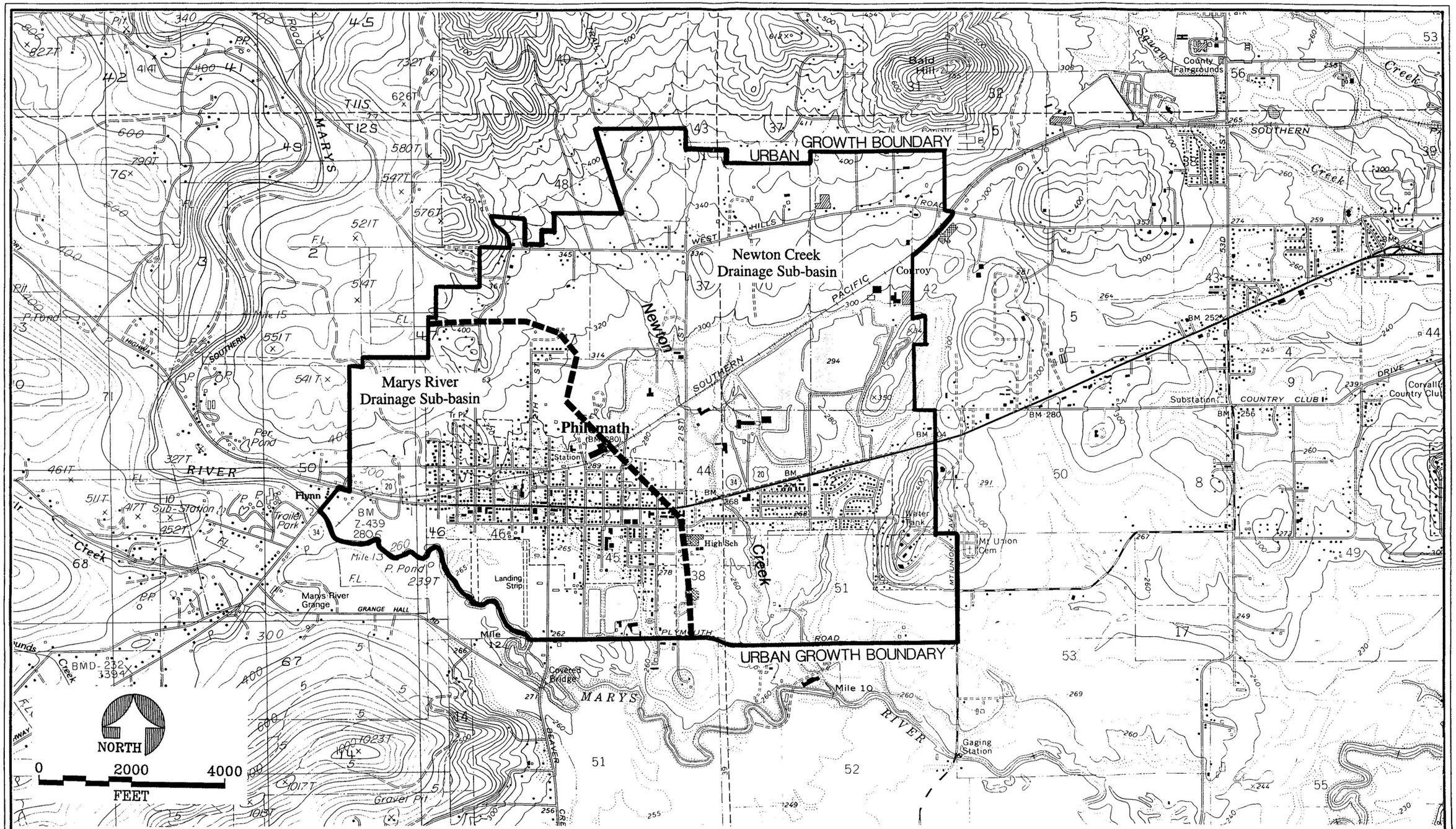



| Code | Cowardin Classifications of NWI Mapped Wetlands within the Philomath UGB |
|---|---|
| PFOA | palustrine, forested, temporarily flooded |
| PFOC | palustrine, forested, seasonally flooded |
| PFOCx | palustrine, forested, seasonally flooded, excavated |
| PFO1J | palustrine, forested, broad-leaved, deciduous intermittently flooded |
| PSSC | palustrine, scrub/shrub, seasonally flooded |
| P SS1 / EM5 B | palustrine, scrub/shrub, broad-leaved deciduous/emergent, saturated |
| PABFx | palustrine, aquatic bed, semi-permanently flooded, excavated |
| PUBHx | palustrine, unconsolidated bottom, permanently flooded, excavated |
| PEMC | palustrine, emergent, seasonally flooded |
| PEMCx | palustrine, emergent, seasonally flooded, excavated |
| R4SBC | riverine, intermittent, stream bed, seasonally flooded |
| R20WH | riverine, lower perennial, open water, permanently flooded |
| L1UBH | lacustrine, limnetic, unconsolidated bottom, permanently flooded |

National Wetlands Inventory designations for the Philomath Local Wetlands Inventory study area, Oregon (U.S. Fish and Wildlife Service, Corvallis, OR, 15-minute quadrangle, enlarged to 1:24000, based on 1975 black and white aerial photography; and Corvallis, OR, 7.5-minute quadrangle, 1:24000, based on 1982 color infrared aerial photography).

FIGURE 4

SRI / SHAPIRO INCORPORATED

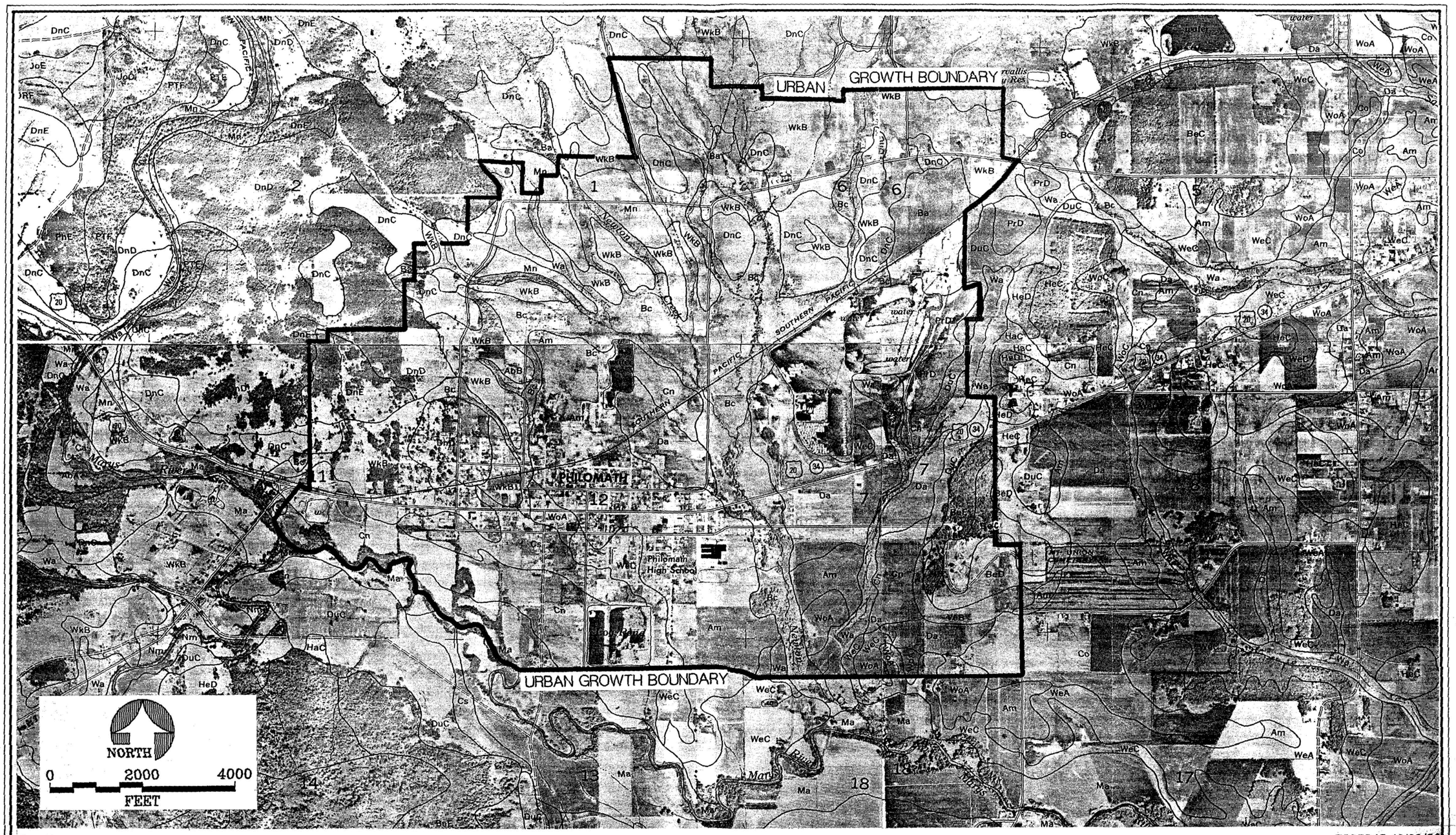



7955019 12/23/96

Drainage basin boundary for Marys River and Newton Creek within the Philomath Local Wetlands Inventory study area, Oregon (U.S.G.S. Corvallis and Wren, Oregon, 7.5-minute quadrangles. 1:24000, 1969, photorevised 1986, and 1984 provisional edition).

FIGURE 2

SRI/SHAPIRO INCORPORATED



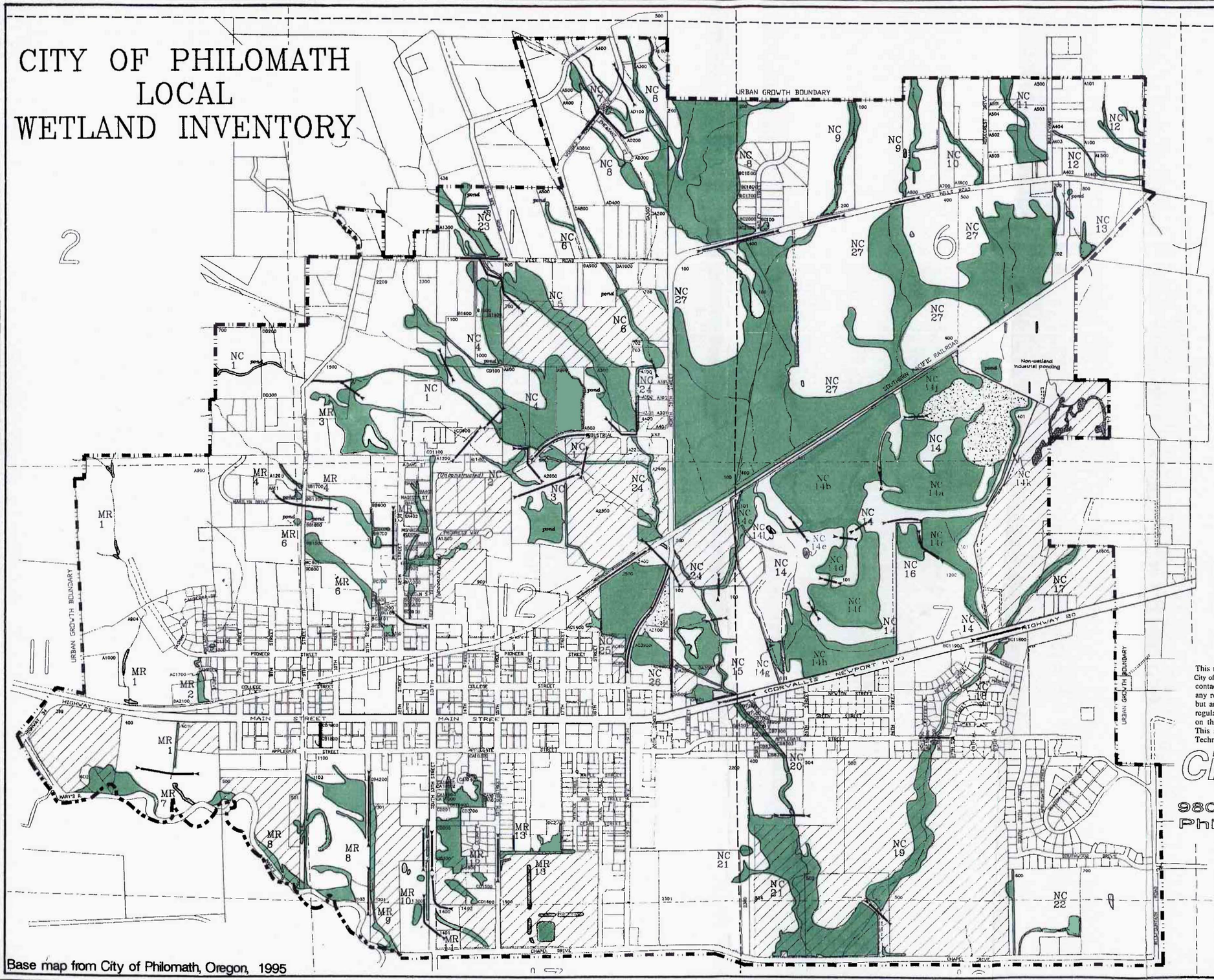

7955019 12/23/96

Soil mapping units for the Philomath Local Wetlands Inventory study area, Oregon (Soil Conservation Service, *Soil Survey of Benton County Area, Oregon*, 1:20000, 1975).

FIGURE 3

SRI/SHAPIRO INCORPORATED

# CITY OF PHILOMATH
# LOCAL
# WETLAND INVENTORY




LEGEND

- Urban Growth Boundary
- 100 Tax-lot number
- Wetland
- Wetland Groups Boundary
- NC 24 Wetland Groups Code
- Fill
- Off site mapping
- Intermittent stream

Wetland acreage
1 acre
1/10th acre
1/100th acre

NORTH

0 1200 2400
FEET

WETLAND INFORMATION IS SUBJECT TO CHANGE

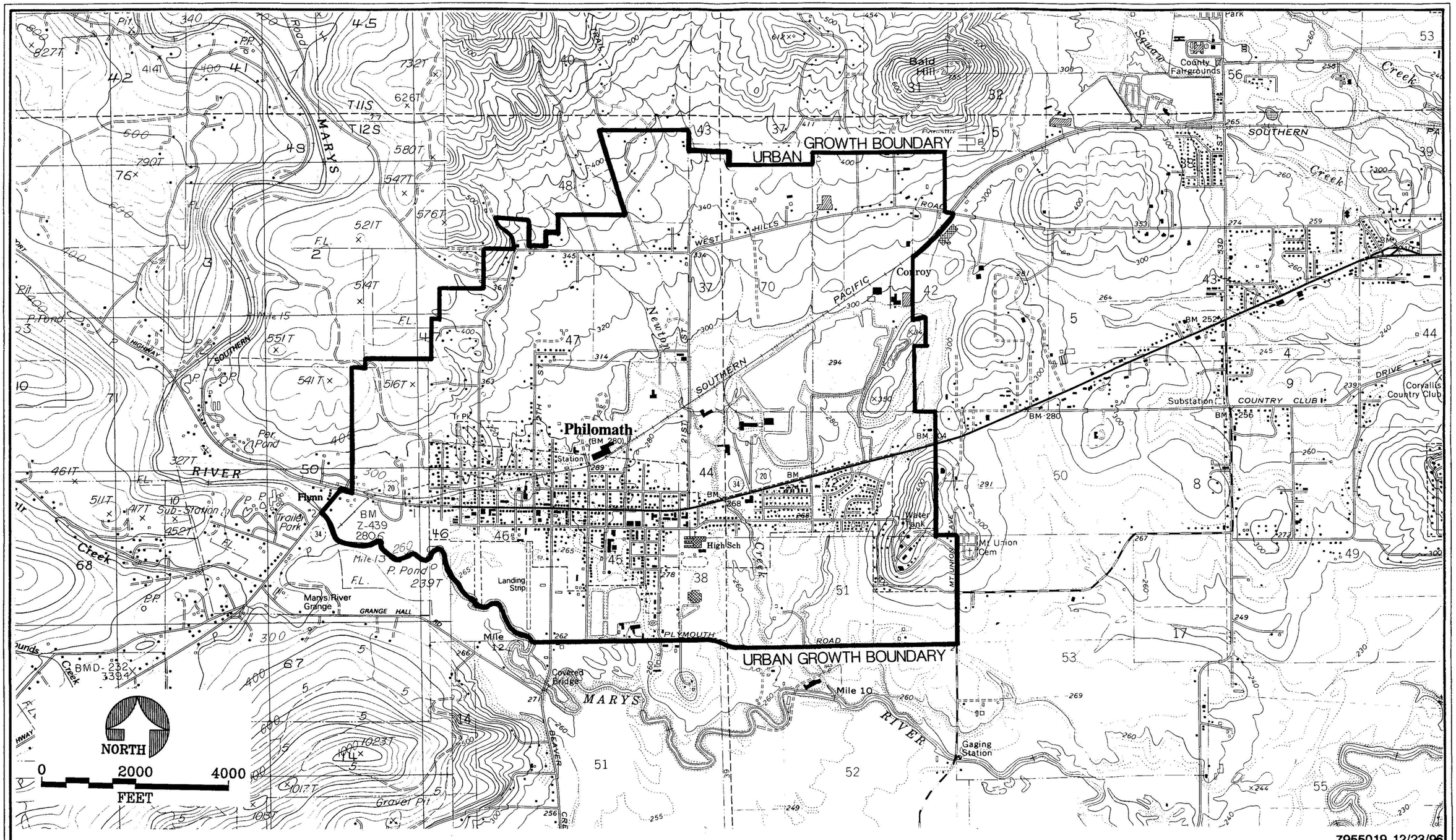
This map is for planning purposes only. It has not been finalized and adopted by the City of Philomath or approved by the wetland regulatory agencies. You are advised to contact the Oregon Division of State Lands or the U.S. Army Corps of Engineers with any regulatory questions. Mapped wetland boundaries were not flagged or surveyed, but are accurate to within 25 feet, and there may be unmapped wetlands subject to regulation. Some areas have been identified as potential wetlands and are located on the maps. In all cases, actual field conditions determine wetland boundaries. This study was funded by the Environmental Protection Agency Region I, with a Technical Assistance Grant awarded by the Oregon Division of State Lands (DSL.)


City of Philomath
980 Applegate, P.O. Box 400
Philomath, Oregon 97370


FIGURE
5
7955019 12/23/96

Base map from City of Philomath, Oregon, 1995


SRI / SHAPIRO
INCORPORATED




7955019 12/23/96

Location and generalized topography of the Philomath Local Wetlands Inventory study area, Oregon (U.S.G.S. Corvallis and Wren, Oregon, 7.5-minute quadrangles. 1:24000, 1969, photorevised 1986, and 1984 provisional edition).

FIGURE 1

SRI/SHAPIRO INCORPORATED

SALEM NW
CORVALLIS

SCALE 1:24000

1/2 0 1 MILE

0 1000 2000 3000 4000 5000 6000 7000 FEET

5 0 1 KILOMETER

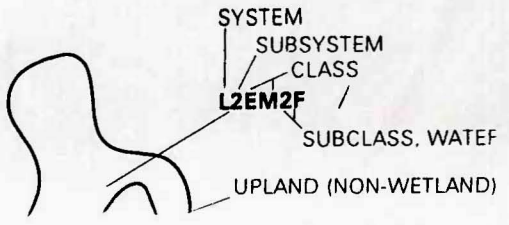
10 acres

20 acres

**SPECIAL NOTE**

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deepwater Habitats of the United States** (FWS/OBS - 79/31 December 1979). The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic

**SYMBOLOGY EXAMPLE**



# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-001  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 1

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 20-30% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *PSEUDOTSUGA MENZIESII* | *FACU | 100% | 5% |
| Sapling/Shrub | *PSEUDOTSUGA MENZIESII* | *FACU | 20% | |
| Sapling/Shrub | *QUERCUS GARRYANA* | UPL | 70% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 10% | 35% |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *FRAGARIA SP.* | UPL | 10% | |
| Herb | *POTENTILLA ANSERINA* | OBL | 10% | |
| Herb | *VICIA SP.* | UPL | 20% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-002  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 2

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 20-30% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 7.5YR 3/1 0-10"
Mottles: YES  Mottle Color: 7.5YR 3/2
Hydric Soil Criteria met: YES
Comment: CLAY LOAM; 10+" 10YR 3/2, CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: PROBABLY PERCHED WATER TABLE - CLAY HARD PAN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAMASSIA QUAMASH* | *FACW | 5% | |
| Herb | *CAREX STIPATA* | OBL | 10% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | |
| Herb | *VICIA SATIVA* | UPL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-003  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 3

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 20-30% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 7.5YR 3/2
Hydric Soil Criteria met: YES

Comment: SILTY CLAY LOAM; ALSO 5YR 4/6 MOTTLES

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING - WATER MARKS ON TREES, DECAYED LEAF MATS

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 50% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 15% |
| Herb | *CAREX STIPATA* | OBL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *GALIUM APARINE* | FACU | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 15% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | |
| Herb | *VICIA SATIVA* | UPL | 5% | 30% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-004  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 4

## Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 20-30% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 2/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Tree | *QUERCUS GARRYANA* | UPL | 70% | 20% |
| Sapling/Shrub | *ALNUS RUBRA* | FAC | 20% | |
| Sapling/Shrub | *CORYLUS CORNUTA* | FACU | 10% | |
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 10% | |
| Sapling/Shrub | *PSEUDOTSUGA MENZIESII* | *FACU | 15% | |
| Sapling/Shrub | *QUERCUS GARRYANA* | UPL | 30% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 15% | 30% |
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *PTERIDIUM AQUILINUM* | FACU | 50% | |
| Herb | *VICIA SP.* | UPL | 5% | 40% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 29%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-005  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 5

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 20-30% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 7.5YR 3/2 0-18"
Mottles: YES  Mottle Color: 10YR 2/1
Hydric Soil Criteria met: YES

Comment: CLAY LOAM; ALSO 7.5YR 4/6 MOTTLES

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: TOPOGRAPHIC DEPRESSION WITH WETLAND DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 60% | |
| Sapling/Shrub | *ROSA SP.* | NI | 40% | 0% |
| Herb | *CAREX STIPATA* | OBL | 25% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *POTENTILLA ANSERINA* | OBL | 15% | 0% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-006  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 6

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1 0-18+"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES
Comment: CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 100% | 10% |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *GALIUM APARINE* | FACU | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 35% | |
| Herb | *MELISSA OFFICINALIS* | UPL | 30% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | 55% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 15% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-007  Date: 06/09/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 7

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-008  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 8

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  8+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-8" 7.5YR 3/3

### Hydrology

Inundated: YES  Depth: 4+"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 20% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 30% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 70% | 40% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 30% | |
| Herb | *CAREX SP.* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-009  Date: 07/16/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 9

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  4+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY; 0-4" 10YR 4/3, GRAVELLY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *AMELANCHIER ALNIFOLIA* | FACU | 10% | |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 20% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 70% | 20% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *POTENTILLA ANSERINA* | OBL | 15% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 10% | |
| Herb | *TARAXACUM OFFICINALE* | FACU | 10% | |
| Herb | *VICIA SP.* | UPL | 5% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-010  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 10

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: HEAVY CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 7"; HEAVY RAINS FOR DAYS

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *AMELANCHIER ALNIFOLIA* | FACU | 40% | |
| Tree | *PSEUDOTSUGA MENZIESII* | *FACU | 30% | |
| Tree | *QUERCUS GARRYANA* | UPL | 30% | 35% |
| Sapling/Shrub | *AMELANCHIER ALNIFOLIA* | FACU | 15% | |
| Sapling/Shrub | *QUERCUS GARRYANA* | UPL | 20% | |
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 15% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 35% | |
| Sapling/Shrub | *ROSA SP.* | NI | 15% | 35% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 90% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 17%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-011  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 11

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: 4 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: INUNDATION 4-6" DEEP, 10' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 60% | |
| Tree | *QUERCUS GARRYANA* | UPL | 40% | 40% |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 100% | 15% |
| Herb | *CAMASSIA SP.* | FACW | 25% | |
| Herb | *CAREX DEWEYANA* | *FACU | 15% | |
| Herb | *GLYCERIA ELATA* | FACW+ | 15% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 25% | 45% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 83%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-012  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 12

## Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 12-20% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: 1-2' WIDE STREAM CHANNEL 2-3" DEEP

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *PSEUDOTSUGA MENZIESII* | *FACU | 50% | |
| Tree | *QUERCUS GARRYANA* | UPL | 50% | 30% |
| Sapling/Shrub | *OEMLERIA CERASIFORMIS* | FACU | 40% | |
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 30% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 30% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 25% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *GALIUM APARINE* | FACU | 15% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 5% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 10% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 14%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-013  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 13

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 5Y 3/1  0-6"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, HIGH CLAY CONTENT; 6-18+" 10YR 3/2, CLAY

## Hydrology

Inundated: YES  Depth: 3 "  Saturated Soils: YES  Depth to Water Table:
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: FLOWING WATER 2.5-3' W x 3-4" D; SOIL SAT. TO 18"; PERCHED WT

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *GLYCERIA SP.* | OBL | 60% | |
| Herb | *MENTHA SPICATA* | OBL | 20% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: CHANNEL MOSTLY BARE OF VEGETATION

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-014  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 14

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: 0-5" MOIST

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ACER MACROPHYLLUM* | FACU | 40% | |
| Tree | *ALNUS RUBRA* | FAC | 60% | 30% |
| Sapling/Shrub | *ROSA SP.* | NI | 30% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 70% | 20% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *FRAGARIA SP.* | UPL | 10% | |
| Herb | *GALIUM APARINE* | FACU | 20% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 20% | |
| Herb | *LAMIUM PURPUREUM* | UPL | 30% | 45% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 11%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-015  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 15

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: YES  Mottle Color: 5GY 4/1
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; ALSO 10YR 3/3 MOTTLES

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 7
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ALNUS RUBRA* | FAC | 60% | |
| Tree | *CRATAEGUS DOUGLASII* | FAC | 40% | 40% |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 100% | 30% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-016  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 16

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: MOIST TO 7"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAUREA SP.* | UPL | 20% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *RANUNCULUS REPENS* | FACW | 10% | |
| Herb | *STELLARIA MEDIA* | FACU | 20% | |
| Herb | *TARAXACUM OFFICINALE* | FACU | 5% | |
| Herb | *TRIFOLIUM PRATENSE* | FACU | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-017  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 17

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 4/2  3+"
Mottles: YES  Mottle Color: 5GY 4/1
Hydric Soil Criteria met: YES

Comment: CLAY; 0-3" 10YR 3/1, SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURACE; EXCAVATED POND; INUND. DEPTH UNKNOWN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ALNUS RUBRA* | FAC | 30% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 20% | |
| Tree | *SALIX LASIANDRA* | FACW+ | 20% | |
| Tree | *SALIX SCOULERIANA* | FAC | 30% | 60% |
| Herb | *CAREX DENSA* | OBL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 25% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 30% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 86%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-018  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 18

### Soils

Mapped Series and Phase: ABIQUA SILTY CLAY LOAM, 3-5% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: N 2.5/  6-9"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY; 0-6" 10YR 2.5/2, S/L; 9+" 5Y 3/1, SANDY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; WITHIN OBVIOUS DRAINAGEWAY

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HORDEUM BRACHYANTHERUM* | *FACW- | 20% | |
| Herb | *JUNCUS PATENS* | FACW | 40% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-019  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 19

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2.5/2
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 15% | |
| Herb | *ASTER CHILENSIS* | FAC | 10% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *DACTYLIS GLOMERATA* | FACU | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 20% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-020  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 20

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  9+"
Mottles: YES  Mottle Color: 7.5YR 3/4
Hydric Soil Criteria met: YES
Comment: 0-9" 10YR 3/1; HEAVY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 11
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ALNUS RUBRA* | FAC | 80% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 20% | 25% |
| Herb | *EQUISETUM ARVENSE* | FAC | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 20% | |
| Herb | *SCIRPUS MICROCARPUS* | OBL | 20% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 30% | 65% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 86%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-021  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 21

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLACK CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; OBVIOUS DRAINAGE SWALE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 70% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 30% | 40% |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *EPILOBIUM WATSONII* | FACW- | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 30% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-022  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 22

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 6-18+"
Mottles: YES  Mottle Color: 10YR 4/4
Hydric Soil Criteria met: YES
Comment: CLAY; 0-6" 10YR 3/2, SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 90% | |
| Herb | *DACTYLIS GLOMERATA* | FACU | 5% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | 65% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-023  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 23

### Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-8"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 8-18" 5Y 4/1, CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 4", FROM RECENT RAINS

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 25% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 15% | |
| Herb | *VICIA SATIVA* | UPL | 25% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment: MIXED WEEDS COMPRISE 10% OF HERBACEOUS LAYER

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-024  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 24

### Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 10YR 3/4 7-18+"
Hydric Soil Criteria met: YES
Comment: 0-7" SILTY CLAY LOAM; 7-18+" CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 4", MOIST BELOW 4+"; WATER PERCHED AT SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 80% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 20% | 30% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 40% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *LOTUS CORNICULATUS* | FAC | 15% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 10% | |
| Herb | *VICIA SP.* | UPL | 20% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-025  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 25

## Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 5Y 3/1  8-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 50% |
| Sapling/Shrub | *AMELANCHIER ALNIFOLIA* | FACU | 40% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 20% | 40% |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *GALIUM APARINE* | FACU | 40% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 13%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-026  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 26

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 1
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: INUNDATION IN A STREAM 3' AWAY, 1' WIDE 3" DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Sapling/Shrub | *AMELANCHIER ALNIFOLIA* | FACU | 20% | |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 40% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 20% | |
| Sapling/Shrub | *ROSA SP.* | NI | 20% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 40% | |
| Herb | *GEUM MACROPHYLLUM* | *FACW- | 20% | |
| Herb | *POTENTILLA ANSERINA* | OBL | 20% | |
| Herb | *RANUNCULUS SP.* | FACW | 20% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 78%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-027  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 27

### Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 4/1 7-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES

Comment: CLAY; 0-7" 2.5Y 4/2, SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 20% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 80% | 10% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 80% | |
| Herb | *GALIUM APARINE* | FACU | 3% | |
| Herb | *GEUM MACROPHYLLUM* | *FACW- | 2% | |
| Herb | *POTENTILLA ANSERINA* | OBL | 5% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-028  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 28

## Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 9
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; RECENT HEAVY RAINS

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 15% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *LUZULA CAMPESTRIS* | UPL | 5% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 5% | |
| Herb | *VICIA SATIVA* | UPL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment: VARIOUS WEEDS COMPRISE 5% OF HERBACEOUS LAYER

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-029  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 29

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 90% | 30% |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 100% | 10% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 25% | |
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *JUNCUS PATENS* | FACW | 15% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 20% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-030  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 2
Investigator: JF/DC  Sample Site: 30

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL MOIST TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *PINUS PONDEROSA* | FACU- | 100% | 15% |
| Herb | *AGROSTIS TENUIS* | FAC | 30% | |
| Herb | *ALLIUM SP.* | FACU | 10% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 5% | |
| Herb | *ELYMUS CAPUT-MEDUSAE* | UPL | 25% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 5% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 10% | 85% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-031  Date: 04/03/96
County: BENTON  State: OR  Townehip: 12S  Range: 6W  Section: 2
Investigator: JF/DC  Sample Site: 31

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 4/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 90% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-032  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 32

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5G 3/1  1-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: 0-1" 10YR 2/1, CLAY

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: <18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: 1" FLOWING WATER 1-2' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *LYSICHITUM AMERICANUM* | OBL | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-033  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 33

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: N 2.5/ 0-8"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLEY CLAY W/HIGH ORGANICS; 8+" 5BG 4/1 CLAY; H2S ODOR

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; SURF. FLOW 1" DEEP NEARBY; IN DRAINAGE SWALE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 50% |
| Sapling/Shrub | *CORNUS STOLONIFERA* | FACW | 30% | |
| Sapling/Shrub | *PHYSOCARPUS CAPITATUS* | FACW- | 70% | 10% |
| Herb | *GLYCERIA SP.* | OBL | 20% | |
| Herb | *LYSICHITUM AMERICANUM* | OBL | 70% | |
| Herb | *VERONICA AMERICANA* | OBL | 5% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-034  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 34

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: N 2.5/  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: GLEY (BLACK CLAY); SMALL CONCRETIONS 7.5YR 4/4 BELOW 12"

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ACER MACROPHYLLUM* | FACU | 100% | 40% |
| Sapling/Shrub | *CORYLUS CORNUTA* | FACU | 30% | |
| Sapling/Shrub | *OEMLERIA CERASIFORMIS* | FACU | 30% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 40% | 30% |
| Herb | *CAREX DEWEYANA* | *FACU | 20% | |
| Herb | *CLAYTONIA SIBIRICA* | FAC | 30% | |
| Herb | *GALIUM APARINE* | FACU | 5% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 5% | |
| Herb | *TELLIMA GRANDIFLORA* | UPL | 10% | |
| Herb | *URTICA DIOICA* | FAC+ | 20% | 20% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-035  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 35

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/  0-18+"
Mottles: YES  Mottle Color: 10YR 5/3  8+"
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *PYRUS FUSCA* | FACW | 80% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 20% | 20% |
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *FESTUCA RUBRA* | FAC+ | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *RANUNCULUS SP.* | FACW | 20% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-036  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 36

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/ 0-18+"
Mottles: YES  Mottle Color: 10YR 5/3 8+"
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *ELYMUS CAPUT-MEDUSAE* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *FESTUCA RUBRA* | FAC+ | 10% | |
| Herb | *HORDEUM BRACHYANTHERUM* | *FACW- | 5% | |
| Herb | *MADIA SATIVA* | UPL | 10% | |
| Herb | *VICIA SP.* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-037  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 37

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2.5/2
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; ASSOC. W/SEASONAL DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS ALBA* | *FAC | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *MENTHA PULEGIUM* | OBL | 40% | |
| Herb | *RANUNCULUS SP.* | FACW | 10% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Non-Wetland**

Comment: Obvious intermittent drainage, but does not meet all wetland criteria

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-038  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 38

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 2"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *FESTUCA RUBRA* | FAC+ | 20% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 30% | |
| Herb | *LOLIUM PERENNE* | FACU | 20% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-039  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 39

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES

Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOL SATURATED TO SURFACE; SURFACE WATER 1' AWAY

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 5% | |
| Herb | *CAMASSIA QUAMASH* | *FACW | 5% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 25% | |
| Herb | *MENTHA PULEGIUM* | OBL | 15% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-040  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 40

### Soils

Mapped Series and Phase: MCALPIN SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: 7.5YR 3/2 0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 13
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 7"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALLIUM SP.* | FACU | 5% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 35% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-041  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 41

### Soils

Mapped Series and Phase: MCALPIN SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: 10YR 2.5/2
Mottles: NO
Hydric Soil Criteria met: NO
Comment: 0-18", SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: SEEPAGE AT 12" (FOLLOWING RAINS)

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *MADIA SATIVA* | UPL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES
Comment: Including vegetative cover $\geq$ 10%, they hydrophytic vegetation criteria is not met.

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-042  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 42

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2.5/1
Mottles: YES  Mottle Color: N 3.5/
Hydric Soil Criteria met: YES
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Sapling/Shrub | *ROSA EGLANTERIA* | *FACW | 100% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 30% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *MENTHA PULEGIUM* | OBL | 10% | 50% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-043  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 43

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM (MOSTLY CLAY)

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 30% | |
| Herb | *ELEOCHARIS SP.* | OBL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 10% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | |
| Herb | *VICIA SP.* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment: Horse pasture

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-044  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 44

## Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 2.5/1
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: 0-18", SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 25% |
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 100% | 10% |
| Herb | *AGROSTIS SP.* | FAC | 5% | |
| Herb | *CAMASSIA QUAMASH* | *FACW | 25% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 15% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 5% | 65% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-045  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 45

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3.5/1
Mottles: NO
Hydric Soil Criteria met: YES
Comment: 0-18", CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 20% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 40% | |
| Sapling/Shrub | *ROSA SP.* | NI | 40% | 10% |
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 83%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-046  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 46

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *MADIA SATIVA* | UPL | 10% | |
| Herb | *MENTHA PULEGIUM* | OBL | 20% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-047  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 47

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLACK CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: IN HUMMOCKY AREA W/NUMEROUS RIVULETS

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS STOLONIFERA* | *FAC | 20% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *CAREX SP.* | FACW | 20% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *VERONICA SERPYLLIFOLIA* | FAC | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-048  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 48

## Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 100% | 15% |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 60% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 10% | |
| Herb | *LUZULA CAMPESTRIS* | UPL | 5% | 85% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-049  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 49

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES
Comment: SILT LOAM

### Hydrology

Inundated: YES  Depth: 3 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 1' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 100% | 40% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 30% | |
| Herb | *VERONICA AMERICANA* | OBL | 30% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-050  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 50

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES

Comment: 0-10" SILT LOAM; 10+" SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: 2 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUND. 2" DEEP, 2' WIDE IN DITCH

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX SP.* | FAC | 100% | 5% |
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 15% | |
| Herb | *LOTUS PURSHIANA* | UPL | 5% | |
| Herb | *RANUNCULUS REPENS* | FACW | 25% | |
| Herb | *VERONICA AMERICANA* | OBL | 15% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: WETLAND VEG. IS VERY PATCHY WITHIN DITCH - MOSTLY UNVEGETATED

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-051  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 51

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 10% |
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *MENTHA PULEGIUM* | OBL | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 15% | |
| Herb | *RUMEX CONGLOMERATUS* | FACW | 5% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-052  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 52

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: MOIST

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS MONOGYNA* | *FACU+ | 30% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 70% | 40% |
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 20% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 40% | 40% |
| Herb | *HERACLEUM LANATUM* | FAC+ | 50% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 45% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 43%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-053  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 53

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 10% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 60% | |
| Sapling/Shrub | *SALIX SP.* | FAC | 20% | 30% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *CAMASSIA QUAMASH* | *FACW | 40% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *RUMEX CONGLOMERATUS* | FACW | 5% | 50% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-054  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 54

## Soils

Mapped Series and Phase: MCALPIN SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: N 2.5/  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLACK CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: <18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SURFACE WATER

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 70% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 30% | 10% |
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 15% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 15% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-055  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 55

### Soils

Mapped Series and Phase: MCALPIN SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 100% | 10% |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 15% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | |
| Herb | *RANUNCULUS REPENS* | FACW | 10% | 80% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-056  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 56

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/1 6-18+"
Mottles: YES  Mottle Color: 5Y 3/1
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-6" 10YR 3/2

### Hydrology

Inundated: YES  Depth: 4+"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURFACE; NEARBY FLOWING STREAM 18" DEEP BY 3' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 25% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 25% | |
| Herb | *JUNCUS PATENS* | FACW | 25% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-057  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 57

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: 3 "  Saturated Soils: YES  Depth to Water Table: <18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 6", MOIST BELOW 6"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 15% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 70% | |
| Herb | *HOLCUS LANATUS* | FAC | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | 85% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-058  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 58

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 5", MOIST BELOW 5"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 100% | 10% |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 25% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 25% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *MADIA SATIVA* | UPL | 5% | |
| Herb | *VICIA SP.* | UPL | 10% | 85% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 20%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-059  Date: 03/28/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 59

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: IN OBVIOUS INTERMITTENT DRAINAGE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 100% | 40% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 85% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Non-Wetland**

Comment: SOILS ARE HYDRIC, BUT HYDRO. IS INTERMITTENT & VEG. NOT STRONG

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-060  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 60

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES
Comment: SLIGHT H2S ODOR; SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 5% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *CAREX PRATICOLA* | FACW | 40% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-061  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 61

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 15% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 25% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *VICIA SATIVA* | UPL | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-062  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 62

## Soils

Mapped Series and Phase: FORMER LOG POND - NO MAPPED SOIL
On Hydric Soils List:
Drainage Class:  Matrix Color: 10YR 4/3  0-18"
Mottles: YES  Mottle Color: 7.5YR 5/6
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM, ALSO 10YR 3/1 MOTTLES; DISTURBED SOIL

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SP.* | FACU | 30% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *VICIA SP.* | UPL | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-063  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 63

### Soils

Mapped Series and Phase: FORMER LOG POND - NO MAPPED SOIL
On Hydric Soils List:
Drainage Class:  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES
Comment: DIST. SILTY CLAY LOAM; MIXED MATRIX W/5Y 4/2, ALSO 5G 4/1 MOTTS.

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: <18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; POND

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *SALIX LASIANDRA* | FACW+ | 100% | 15% |
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 100% | 15% |
| Herb | *AGROSTIS STOLONIFERA* | *FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *POLYGONUM SP.* | FAC | 30% | |
| Herb | *SCIRPUS MICROCARPUS* | OBL | 5% | |
| Herb | *VERONICA AMERICANA* | OBL | 30% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-064  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 64

## Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 14-18+" 2.5Y 4/2 W/7.5YR 4/3 MOTTS., CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CIRSIUM VULGARE* | FACU | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 30% | |
| Herb | *GALIUM APARINE* | FACU | 10% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 20% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 20% | 40% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 40%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-065  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 65

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-8"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: S/C/L W/COARSE GRAINED SAND; 8-18+" 2.5Y 2.5/1 CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 50% | |
| Sapling/Shrub | *SALIX SP.* | FAC | 50% | 30% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 15% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 5% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 60% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-066  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 66

## Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES

Comment: CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 2"

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 20% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 40% | 20% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 35% | |
| Herb | *GALIUM APARINE* | FACU | 5% | |
| Herb | *MELISSA OFFICINALIS* | UPL | 25% | |
| Herb | *MITELLA SP.* | FAC | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 10% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 71%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-067  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 67

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, MOSTLY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 25% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 25% | |
| Herb | *DAUCUS CAROTA* | UPL | 25% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment: ASSORTED WEEDS COMPRISE 5% OF HERBACEOUS LAYER

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-068  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 68

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 2.5Y 2/0  0-18"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES
Comment: BLACK HEAVY CLAY

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; FLOWING SURFACE WATER 1" DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *CAREX SP.* | FACW | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 5% | |
| Herb | *MONTIA FONTANA* | OBL | 10% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 25% | |
| Herb | *VERONICA AMERICANA* | OBL | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-069  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 69

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLACK CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *STELLARIA MEDIA* | FACU | 10% | |
| Herb | *TARAXACUM OFFICINALE* | FACU | 5% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 40% | |
| Herb | *UNKNOWN GRAZED GRASSES* | NI | 25% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-070  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 70

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-8"
Mottles: YES  Mottle Color: 10YR 3/2
Hydric Soil Criteria met: YES
Comment: SILT LOAM; 8+" 10YR 3/2 W/7.5YR 4/4 & 5G 4/1 MOTTS., S/GRAV./C/L

### Hydrology

Inundated: YES  Depth: 5 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: WATER FLOWING IN DITCH - 5" INUNDATION; SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 100% | 10% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *GLYCERIA SP.* | OBL | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 25% | |
| Herb | *JUNCUS TENUIS* | FACW- | 15% | |
| Herb | *VERONICA AMERICANA* | OBL | 25% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-071  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 71

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 25% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 10% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | |
| Herb | *RANUNCULUS REPENS* | FACW | 15% | 95% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-072  Date: 04/03/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 72

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 60% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 40% | 5% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *CAREX SP.* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 40% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-073  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 73

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 7"; ONLY MOIST BELOW 7"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 60% | |
| Herb | *JUNCUS TENUIS* | FACW- | 40% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-074  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 74

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 40% |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 60% | 25% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 100% | 35% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-075  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 75

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 14+" 5Y 3/1 W/2.5Y 3/2 MOTTS.

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 17
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 14"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 15% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 15% | |
| Herb | *TRIFOLIUM PRATENSE* | FACU | 15% | |
| Herb | *VICIA SP.* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-076  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 76

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 3/  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLACK CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 30% |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 25% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 75% | 30% |
| Herb | *AGROSTIS SP.* | FAC | 10% | |
| Herb | *CAREX SP.* | FACW | 20% | |
| Herb | *EQUISETUM ARVENSE* | FAC | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 10% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 25% | |
| Herb | *VERONICA AMERICANA* | OBL | 5% | 35% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 86%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-077  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 77

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY

### Hydrology

Inundated: YES  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; 30'-40' WIDE SWALE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 85% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *RANUNCULUS REPENS* | FACW | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-078  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 78

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY - STICKY

### Hydrology

Inundated: YES  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SOME INUNDATION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX SP.* | FAC | 100% | 30% |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-079  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 79

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *CIRSIUM VULGARE* | FACU | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 30% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | |
| Herb | *VICIA SP.* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-080  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 80

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY - STICKY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 15% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 10% | |
| Herb | *RANUNCULUS REPENS* | FACW | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-081  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 81

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SECALINUS* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 60% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-082  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 82

## Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 2.5/1
Mottles: NO
Hydric Soil Criteria met: YES
Comment: 0-18", SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 15% | |
| Herb | *CAREX UNILATERALIS* | FACW | 25% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-083  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 83

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *FRAGARIA VIRGINIANA* | *FACU | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 10% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | |
| Herb | *RANUNCULUS REPENS* | FACW | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-084  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 84

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2.5/1
Mottles: NO
Hydric Soil Criteria met: YES
Comment: 0-18+", SILTY CLAY; SILTY CLAY LOAM, 0-8"

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 1
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 15% | |
| Herb | *HOLCUS LANATUS* | FAC | 25% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 3% | |
| Herb | *LUDWIGIA PALUSTRIS* | OBL | 20% | |
| Herb | *MENTHA PULEGIUM* | OBL | 2% | |
| Herb | *RANUNCULUS AQUATILIS* | OBL | 30% | |
| Herb | *RUMEX CONGLOMERATUS* | FACW | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-085  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 85

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *ELYMUS CAPUT-MEDUSAE* | UPL | 10% | |
| Herb | *FRAGARIA VIRGINIANA* | *FACU | 30% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 10% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 5% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 10% | |
| Herb | *POA PRATENSIS* | FAC | 5% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | |
| Herb | *RANUNCULUS SP.* | FACW | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-086  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 86

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM ABOVE 8", SILTY CLAY BELOW 8"

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 30% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 15% | |
| Herb | *VICIA SP.* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-087  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/FS  Sample Site: 87

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 2.5Y 2.5/1
Mottles: NO
Hydric Soil Criteria met: YES
Comment: 0-18+", SILTY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PATCHY SURFACE WATER

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 5% | |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 30% | |
| Herb | *JUNCUS TENUIS* | FACW- | 25% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 15% | |
| Herb | *RANUNCULUS REPENS* | FACW | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-088  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/FS  Sample Site: 88

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2.5/2
Mottles: NO
Hydric Soil Criteria met: NO
Comment: 0-18", SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 30% | |
| Herb | *MADIA SATIVA* | UPL | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-089  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 89

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 10% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 90% | 20% |
| Herb | *AGROSTIS TENUIS* | FAC | 25% | |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 15% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-090  Date: 03/12/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 90

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 100% | 10% |
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 10% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 10% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-091  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/FS  Sample Site: 91

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 20% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *ELYMUS CAPUT-MEDUSAE* | UPL | 10% | |
| Herb | *MADIA SP.* | UPL | 20% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 20% | |
| Herb | *RANUNCULUS REPENS* | FACW | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-092  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/FS  Sample Site: 92

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 2.5/1
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM - PRETTY STICKY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 7
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 60% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 40% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 40% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 20% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 80% | |
| Herb | *RUMEX SP.* | FAC | 10% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 10% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-093  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/FS  Sample Site: 93

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 3/2 0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *ELYMUS CAPUT-MEDUSAE* | UPL | 5% | |
| Herb | *FRAGARIA SP.* | UPL | 5% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-094  Date: 03/13/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/FS  Sample Site: 94

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/4  <10"
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 30% | |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 25% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *MENTHA PULEGIUM* | OBL | 5% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-095  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 95

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  4-14"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM; 0-4" 10YR 3/3

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 50% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-096  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 96

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SOME SURFACE WATER

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 5% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *LOTUS PURSHIANA* | UPL | 5% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-097  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 97

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  6-16"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: CLAY LOAM; 0-6" 10YR 3/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DACTYLIS GLOMERATA* | FACU | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 25% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 50% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-098  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 98

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING; DRAINAGE SWALE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 100% | 10% |
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 40% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 20% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-099  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 99

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/3  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *LINUM PERENNE* | UPL | 10% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | |
| Herb | *VICIA SATIVA* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-100  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 100

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 10YR 5/8
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SOME WATER ON SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *MADIA SP.* | UPL | 5% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-101  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 101

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/4  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM WITH WOOD DEBRIS

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *CIRSIUM VULGARE* | FACU | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *LINUM PERENNE* | UPL | 20% | |
| Herb | *MADIA SP.* | UPL | 40% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-102  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 102

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-14"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; EVIDENCE OF PONDING

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 25% | |
| Herb | *JUNCUS TENUIS* | FACW- | 15% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-103  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 103

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/4  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA SP.* | NI | 100% | 10% |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *MADIA SP.* | UPL | 20% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 20%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-104  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 104

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURFACE; SOME WATER ON SURF.; WET. DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 30% | |
| Herb | *MADIA SP.* | UPL | 15% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-105  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 105

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CIRSIUM ARVENSE* | FACU+ | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 90% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-106  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 106

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1 3-12"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY; 0-3" 10YR 2/2, CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CIRSIUM VULGARE* | FACU | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 30% | |
| Herb | *MYOSOTIS LAXA* | OBL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-107  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 107

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-14"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; SOME WATER ON SURF.; WET. DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX SP.* | FACW | 30% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-108  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 108

## Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 10% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-109  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 109

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  3+"
Mottles: YES  Mottle Color: 2.5Y 5/6
Hydric Soil Criteria met: YES

Comment: CLAY LOAM; 0-3" 10YR 2/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING-ALGAL MATS; WETLAND DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *GRINDELIA NANA* | FACU+ | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 30% | |
| Herb | *MADIA SP.* | UPL | 10% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-110  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 110

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  4+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: CLAY LOAM; 0-4" 10YR 3/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *MADIA SP.* | UPL | 20% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-111  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 111

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 10% | |
| Herb | *MADIA SP.* | UPL | 10% | 90% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-112  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 112

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-14"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: 2 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 2" DEEP BY 1' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS SP.* | FAC | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *HOLCUS LANATUS* | FAC | 30% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-113  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 113

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-12"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: MASSIVE, STICKY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: UPSLOPE FROM WETLAND AREA

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SP.* | FACU | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *LOLIUM PERENNE* | FACU | 10% | |
| Herb | *MADIA SP.* | UPL | 60% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-114  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 114

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: WETLAND DRAINAGE PATTERN; SOME SURFACE WATER

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAUREA SP.* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 15% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *LOTUS PURSHIANA* | UPL | 5% | |
| Herb | *MADIA SP.* | UPL | 10% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | |
| Herb | *TRIFOLIUM PRATENSE* | FACU | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: Vegetation includes weedy upland species, established late in the season.

Determination: **Wetland**

Comment: Obvious wet creek/swale

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-115  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 115

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SOME SURFACE WATER

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 5% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 15% | |
| Herb | *MENTHA SP.* | FAC | 20% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | |
| Herb | *VERONICA AMERICANA* | OBL | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-116  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 116

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAUREA SP.* | UPL | 10% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *GRINDELIA NANA* | FACU+ | 20% | |
| Herb | *LINUM PERENNE* | UPL | 10% | |
| Herb | *MADIA SP.* | UPL | 20% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-117  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 117

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; DRAINAGE SEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 45% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 10% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-118  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 118

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/3  0-14"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AVENA SATIVA* | UPL | 20% | |
| Herb | *BROMUS SP.* | FACU | 5% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *HORDEUM BRACHYANTHERUM* | *FACW- | 20% | |
| Herb | *LINUM PERENNE* | UPL | 10% | |
| Herb | *LOMATIUM SP.* | UPL | 5% | |
| Herb | *MADIA SP.* | UPL | 5% | 95% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-119  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JVS/PF  Sample Site: 119

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 4/1  8+"
Mottles: YES  Mottle Color: 5Y 5/6
Hydric Soil Criteria met: YES

Comment: CLAY; 0-8" 10YR 2/2, ORGANIC

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; VERY SEEPY

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 10% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 70% | 20% |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *EPILOBIUM WATSONII* | FACW- | 10% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 40% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 20% | |
| Herb | *VERONICA AMERICANA* | OBL | 20% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-120  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JVS/PF  Sample Site: 120

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX PRATICOLA* | FACW | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-121  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: DC/CM  Sample Site: 121

## Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 7
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 90% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 10% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 20% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 20% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 20% | 50% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-122  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JVS/PF  Sample Site: 122

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-12"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY, MASSIVE

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING; PATCHY SURFACE PONDING; MOIST SOIL

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 70% | 60% |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 40% | |
| Herb | *MADIA SATIVA* | UPL | 10% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-123  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JVS/PF  Sample Site: 123

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/3  0-12"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 100% | 10% |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 40% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *LINUM PERENNE* | UPL | 20% | 85% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 20%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-124  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JVS/PF  Sample Site: 124

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-14"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 30% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *FRAGARIA SP.* | UPL | 2% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *LOTUS PURSHIANA* | UPL | 20% | |
| Herb | *MADIA SP.* | UPL | 20% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-125  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JVS/PF  Sample Site: 125

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: 24"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; 8' WIDE X 2' DEEP INUNDATION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 30% |
| Sapling/Shrub | *CRATAEGUS SP.* | UPL | 40% | |
| Sapling/Shrub | *SALIX SP.* | FAC | 60% | 20% |
| Herb | *EPILOBIUM WATSONII* | FACW- | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 30% | |
| Herb | *JUNCUS PATENS* | FACW | 10% | |
| Herb | *MENTHA SP.* | FAC | 30% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 10% | 50% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-126  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 126

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  4-14"
Mottles: YES  Mottle Color: 2.5YR 2.5/3
Hydric Soil Criteria met: YES
Comment: CLAY LOAM; 0-4" 10YR 2/1 W/10YR 3/4 MOTTLES

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; ADJACENT AREAS OF INUNDATION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *GRINDELIA NANA* | FACU+ | 10% | |
| Herb | *MADIA SATIVA* | UPL | 5% | |
| Herb | *MENTHA PULEGIUM* | OBL | 55% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-127  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 127

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 30% |
| Sapling/Shrub | *CRATAEGUS SP.* | UPL | 20% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 20% | |
| Sapling/Shrub | *QUERCUS GARRYANA* | UPL | 20% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | 15% |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 10% | |
| Herb | *LOMATIUM SP.* | UPL | 10% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 5% | |
| Herb | *POTENTILLA GRACILIS* | FAC | 20% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | 55% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 38%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-128  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 128

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  4-12"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 10% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 90% | 70% |
| Sapling/Shrub | *OEMLERIA CERASIFORMIS* | FACU | 10% | |
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 20% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 70% | 20% |
| Herb | *PERIDERIDIA GAIRDNERI* | *FAC | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-129  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JVS/PF  Sample Site: 129

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 20% | |
| Herb | *GRINDELIA NANA* | FACU+ | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 15% | |
| Herb | *LOTUS PURSHIANA* | UPL | 15% | |
| Herb | *MADIA SP.* | UPL | 15% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 10% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-130  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 130

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; EVIDENCE OF PONDING

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 20% | |
| Herb | *JUNCUS PATENS* | FACW | 30% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-131  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 131

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 40% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 50% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-132  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 132

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAUREA SP.* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *FRAGARIA SP.* | UPL | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *LUPINUS SP.* | FACU | 15% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 5% | |
| Herb | *WYETHIA SP.* | FACU | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-133  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 133

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 5Y 2.5/1  6+"
Mottles: YES  Mottle Color: 7.5YR 3/4
Hydric Soil Criteria met: YES

Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; 2" INUND. NEXT TO DRAINAGE; EVID. OF PONDING

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 40% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Tree | *SALIX SCOULERIANA* | FAC | 30% | 50% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 50% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 50% | 45% |
| Herb | *CAREX DEWEYANA* | *FACU | 90% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 83%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-134  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 134

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AVENA SP.* | UPL | 10% | |
| Herb | *CENTAUREA SP.* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HORDEUM BRACHYANTHERUM* | *FACW- | 10% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-135  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 135

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; EVIDENCE OF PONDING-ALGAL MATS; ADJ. TO DITCH

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 35% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *VICIA SATIVA* | UPL | 15% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-136  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 136

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: YES  Mottle Color: 10YR 5/8
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING; WETLAND DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 20% |
| Herb | *CAREX DENSA* | OBL | 15% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 35% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *VICIA SATIVA* | UPL | 10% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-137  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 137

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 2/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *FRAGARIA VIRGINIANA* | *FACU | 30% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-138  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 138

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 3" X 12" 1' AWAY

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 50% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-139  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 139

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; EVIDENCE OF PONDING; WET. DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 10% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 50% |
| Herb | *CAREX UNILATERALIS* | FACW | 10% | |
| Herb | *PERIDERIDIA GAIRDNERI* | *FAC | 10% | |
| Herb | *POA TRIVIALIS* | FACW | 40% | |
| Herb | *POLYGONUM SP.* | FAC | 10% | |
| Herb | *RANUNCULUS ORTHORHYNCHUS* | FACW- | 30% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-140  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: DC/PF  Sample Site: 140

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; EVIDENCE OF PONDING; WET. DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 100% | 25% |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *VICIA SATIVA* | UPL | 10% | 75% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-141  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 141

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: YES  Mottle Color: 10YR 5/8
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 7"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX SP.* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *IRIS SP.* | FACW | 20% | |
| Herb | *JUNCUS PATENS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *VICIA SATIVA* | UPL | 5% | 95% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-142  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 142

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-10"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 10+" 10YR 3/1

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 20% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 80% | 20% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 60% | |
| Herb | *VICIA SATIVA* | UPL | 40% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-143  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 143

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  9+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 0-9" 10YR 3/2

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 30% | |
| Herb | *CIRSIUM VULGARE* | FACU | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *LOTUS PURSHIANA* | UPL | 20% | |
| Herb | *MADIA SATIVA* | UPL | 25% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-144  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 144

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CIRSIUM ARVENSE* | FACU+ | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 30% | |
| Herb | *EPILOBIUM WATSONII* | FACW- | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 30% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-145  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 145

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-6"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM; 6+" 10YR 3/2 W/7.5YR 4/6 MOTTLES, HARDPAN

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *LOTUS PURSHIANA* | UPL | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 20% | |
| Herb | *VICIA SATIVA* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-146  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 146

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/2  0-9"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 9+" 7.5YR 3/3, PEBBLY SANDY C/L, VERY COMPACTED

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 50% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 45% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-147  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 147

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 3/0 0-18"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 10% |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *EQUISETUM ARVENSE* | FAC | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 15% | |
| Herb | *JUNCUS TENUIS* | FACW- | 15% | |
| Herb | *LOTUS PURSHIANA* | UPL | 5% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-148  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 148

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 2/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: 0-10" SILT LOAM; 10+" ROCKY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: )18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AVENA SP.* | UPL | 2% | |
| Herb | *CENTAUREA SP.* | UPL | 5% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 10% | |
| Herb | *LUPINUS SP.* | FACU | 2% | 70% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-149  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 149

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 2/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CIRSIUM VULGARE* | FACU | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | |
| Herb | *VICIA SATIVA* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-150  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 150

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *PSEUDOTSUGA MENZIESII* | *FACU | 100% | 45% |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 15% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 20% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *VERBASCUM BLATTARIA* | UPL | 5% | 40% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 15% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-151  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 151

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 0+
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 50% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 25% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-152  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 152

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  5+"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES
Comment: CLAY LOAM; 0-5" 10YR 2/1 W/ORGANICS

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 1-6" DEEP, 3' WIDE - STREAM

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 100% | 30% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 30% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 20% | |
| Sapling/Shrub | *RHAMNUS PURSHIANA* | FAC- | 20% | |
| Sapling/Shrub | *ROSA SP.* | NI | 20% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 10% | 40% |
| Herb | *OENANTHE SARMENTOSA* | OBL | 80% | |
| Herb | *STACHYS COOLEYAE* | FACW | 20% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 71%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-153  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 153

## Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/3  10+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: PEBBLY SANDY CLAY LOAM, VERY COMPACTED; 0-10" 10YR 3/1, CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SP.* | FACU | 20% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 25% | |
| Herb | *DAUCUS CAROTA* | UPL | 25% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *VICIA SATIVA* | UPL | 15% | |
| Herb | *VICIA VILLOSA* | UPL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-154  Date: 07/07/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 154

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CENTAUREA SP.* | UPL | 2% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *GERANIUM SP.* | UPL | 2% | |
| Herb | *HOLCUS LANATUS* | FAC | 5% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 20% | |
| Herb | *VICIA SP.* | UPL | 2% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-155  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 155

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: 2 "  Saturated Soils: YES  Depth to Water Table: 0+
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATED 2" DEEP X 3' WIDE, STREAM

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 30% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Sapling/Shrub | *ROSA SP.* | NI | 40% | 30% |
| Herb | *BECKMANNIA SYZIGACHNE* | OBL | 10% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 30% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *MENTHA PIPERITA* | FACW+ | 5% | |
| Herb | *MYOSOTIS SP.* | FAC | 5% | |
| Herb | *OENANTHE SARMENTOSA* | OBL | 15% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-156  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 156

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA SP.* | NI | 100% | 5% |
| Herb | *CENTAUREA SP.* | UPL | 5% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 15% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | 90% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-157  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 157

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 2.5/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 40% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Tree | *SALIX SCOULERIANA* | FAC | 30% | 50% |
| Sapling/Shrub | *CORNUS STOLONIFERA* | FACW | 25% | |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 25% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 25% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 25% | 45% |
| Herb | *POLYGONUM SP.* | FAC | 60% | |
| Herb | *TELLIMA GRANDIFLORA* | UPL | 40% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 89%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-158  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 158

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 30% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 30% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-159  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 159

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AVENA SATIVA* | UPL | 40% | |
| Herb | *CIRSIUM VULGARE* | FACU | 20% | |
| Herb | *GALIUM APARINE* | FACU | 20% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-160  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 160

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-9"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM; 9+" 10YR 3/1, CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SP.* | FACU | 20% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 10% | |
| Herb | *FESTUCA SP.* | FACU | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 30% | |
| Herb | *LOTUS CORNICULATUS* | FAC | 5% | |
| Herb | *POA SP.* | FACU | 5% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-161  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 161

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: EVID. OF PONDING-ALGAL MATS, MATTED VEG., HUMMOCKY; DEPRESS. AREA

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 50% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 15% | |
| Herb | *VICIA SATIVA* | UPL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-162  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 162

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2  0-7"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM; 7+" 10YR 2/1, CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *CIRSIUM VULGARE* | FACU | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 5% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 5% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 10% | |
| Herb | *LOTUS PURSHIANA* | UPL | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-163  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 163

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 2.5/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 80% | |
| Herb | *POA PRATENSIS* | FAC | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-164  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 164

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 1
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PLAQUE ON SOME ROOTS

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *CAREX SP.* | FACW | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 40% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-165  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 165

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 3/1 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: <1
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SP.* | FACU | 5% | |
| Herb | *CAREX SP.* | FACW | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 15% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 10% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-166  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 166

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 7.5YR 2/0 0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLACK CLAY

### Hydrology

Inundated: YES  Depth: 4 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 40% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 10% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 10% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 15% | |
| Herb | *POA PRATENSIS* | FAC | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-167  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 167

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 2.5/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 30% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 60% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-168  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 168

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5G 4/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 10% |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 100% | 20% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 35% | |
| Herb | *CAREX PRATICOLA* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 35% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-169  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 169

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 3/1  6+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY; 0-6" 10YR 2/2, CLAY SILT, VERY ORGANIC

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: 4
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 70% | |
| Sapling/Shrub | *ROSA SP.* | NI | 30% | 20% |
| Herb | *CAREX SP.* | FACW | 30% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 5% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 5% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 15% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-170  Date: 07/06/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/PF  Sample Site: 170

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5BG 4/1  2-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: BLUE-GREY GLEY; 0-2" 7.5YR 3/1, SILT CLAY W/SOME ORGANICS

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 60% | |
| Sapling/Shrub | *ROSA SP.* | NI | 40% | 30% |
| Herb | *HOLCUS LANATUS* | FAC | 40% | |
| Herb | *RORIPPA NASTURTIUM-AQUATICUM* | OBL | 30% | |
| Herb | *VERONICA AMERICANA* | OBL | 30% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 83%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-171  Date: 06/30/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 171

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: HEAVY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 5% | |
| Herb | *BROMUS SP.* | FACU | 20% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *MADIA SATIVA* | UPL | 5% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-172  Date: 06/30/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 172

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/  7+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY, GLEYED; 0-7" 10YR 2/1, CLAY

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO
Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX OBNUPTA* | OBL | 75% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 15% | |
| Herb | *MYOSOTIS DISCOLOR* | FACW | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-173  Date: 06/30/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 173

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 2.5/  4+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: HEAVY CLAY; 0-4" 10YR 2/2, ROOT ZONE

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 9
Active Oxidized Rhizospheres Present: NO
Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS ALBA* | *FAC | 15% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 25% | |
| Herb | *BROMUS SP.* | FACU | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 30% | |
| Herb | *JUNCUS TENUIS* | FACW- | 10% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-174  Date: 06/29/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 174

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 3/  9+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: GLEYED CLAY; 0-9" 5Y 2.5/1, SILTY CLAY LOAM; H2S ODOR

### Hydrology

Inundated: YES  Depth: .5"  Saturated Soils: YES  Depth to Water Table:
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; WATER TABLE AT 0-11", PERCHED

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *CAREX OBNUPTA* | OBL | 5% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *MYOSOTIS DISCOLOR* | FACW | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-175  Date: 06/30/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 175

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY; FEW CHUNKS OF GRAVEL AT 10"+

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS ALBA* | *FAC | 5% | |
| Herb | *ANTHRISCUS SP.* | UPL | 25% | |
| Herb | *BROMUS SP.* | FACU | 15% | |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *LOLIUM MULTIFLORUM* | UPL | 5% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-176  Date: 06/29/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 176

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1  0-8"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY; 8+" 2.5Y 2/0

### Hydrology

Inundated: YES  Depth: 4 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; EVID. OF PONDING EARLIER IN SEASON-ALGAL MATS

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *BROMUS SP.* | FACU | 20% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 10% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 30% | |
| Herb | *HORDEUM BRACHYANTHERUM* | *FACW- | 5% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 20% | |
| Herb | *MIMULUS SP.* | FACW | 5% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-177  Date: 06/30/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 177

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 2/0  0-18"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALLIUM SP.* | FACU | 5% | |
| Herb | *ANTHEMIS COTULA* | FACU | 5% | |
| Herb | *BROMUS SP.* | FACU | 30% | |
| Herb | *HORDEUM SP.* | FACU | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 15% | |
| Herb | *NAVARRETIA SP.* | FAC | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-178  Date: 06/29/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 178

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 2/0 0-11"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY; 11+" 5Y 4/1

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: CHANNEL 1-2' W x 1' D; OBVIOUS DRAINAGEWAY - MAY BE MAN-MADE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *HORDEUM BRACHYANTHERUM* | *FACW- | 20% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 20% | |
| Herb | *LEMNA MINOR* | OBL | 5% | |
| Herb | *MIMULUS GUTTATUS* | OBL | 5% | |
| Herb | *MYOSOTIS SP.* | FAC | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 20% | |
| Herb | *POLYPOGON MONSPELIENSIS* | FACW | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-179  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/DC  Sample Site: 179

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 4/1  8-14"
Mottles: YES  Mottle Color: 10YR 4/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-8" 10YR 3/2; 14-18+" 10YR 4/2 W/10YR 5/4, CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 5% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 45% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *JUNCUS TENUIS* | FACW- | 15% | |
| Herb | *MYOSOTIS LAXA* | OBL | 5% | |
| Herb | *TRIFOLIUM PRATENSE* | FACU | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-180  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/DC  Sample Site: 180

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, MOSTLY CLAY

### Hydrology

Inundated: YES  Depth: 5 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 5" WIDE X 3' DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *CAREX UNILATERALIS* | FACW | 20% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *VERONICA AMERICANA* | OBL | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-181  Date: 08/18/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: JF/DC  Sample Site: 181

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 10% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 30% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *MADIA SP.* | UPL | 10% | |
| Herb | *PERIDERIDIA GAIRDNERI* | *FAC | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO
Comment: Including vegetative cover ≥ 10%, the hydrophytic vegetation criteria is met.

Determination: **Non-Wetland**
Comment: This sample site is located in a transitional vegetation community.

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-182  Date: 04/30/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: CM/DC  Sample Site: 182

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 25% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *CAREX PRATICOLA* | FACW | 20% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 20% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *LUZULA CAMPESTRIS* | UPL | 20% | 75% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-183  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 183

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3.5/1
Mottles: YES  Mottle Color: 10YR 4/4
Hydric Soil Criteria met: YES
Comment: 0-18", SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 6"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 70% | |
| Herb | *PHALARIS AQUATICA* | FACW+ | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-184  Date: 03/27/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 184

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 100% | 5% |
| Herb | *DACTYLIS GLOMERATA* | FACU | 30% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FRAGARIA VIRGINIANA* | *FACU | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *LUZULA CAMPESTRIS* | UPL | 5% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 5% | |
| Herb | *RANUNCULUS REPENS* | FACW | 10% | |
| Herb | *VICIA SP.* | UPL | 10% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-185  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 185

## Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/3 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CYTISUS SCOPARIUS* | UPL | 20% | |
| Sapling/Shrub | *ROSA MULTIFLORA* | UPL | 80% | 30% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 5% | |
| Herb | *CAREX DENSA* | OBL | 15% | |
| Herb | *CAREX PRATICOLA* | FACW | 10% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *CIRSIUM ARVENSE* | FACU+ | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *GALIUM APARINE* | FACU | 15% | |
| Herb | *PHALARIS AQUATICA* | FACW+ | 20% | 60% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-186  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 186

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 5-18+"
Mottles: YES  Mottle Color: 10YR 3/4
Hydric Soil Criteria met: YES
Comment: CLAY W/PEBBLES IN UPPER LAYER; 0-5" 10YR 3/2, SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SOME WATER ON SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *CAREX DENSA* | OBL | 25% | |
| Herb | *GALIUM APARINE* | FACU | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 30% | |
| Herb | *PERIDERIDIA GAIRDNERI* | *FAC | 5% | |
| Herb | *RANUNCULUS ORTHORHYNCHUS* | FACW- | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-187  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 187

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SOME WATER ON SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 60% | |
| Tree | *QUERCUS GARRYANA* | UPL | 40% | 40% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 33% | |
| Herb | *PERIDERIDIA GAIRDNERI* | *FAC | 33% | |
| Herb | *RANUNCULUS ORTHORHYNCHUS* | FACW- | 34% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 83%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-188  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 188

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 5-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, MORE CLAY; 0-5" 10YR 3/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED BELOW 6"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 20% | |
| Tree | *QUERCUS GARRYANA* | UPL | 80% | 40% |
| Sapling/Shrub | *QUERCUS GARRYANA* | UPL | 10% | |
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 30% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 30% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 30% | 40% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *GALIUM APARINE* | FACU | 20% | |
| Herb | *SANICULA CRASSICAULIS* | UPL | 10% | |
| Herb | *VICIA SATIVA* | UPL | 30% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-189  Date: 06/08/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 189

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 5/  3-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY, MIXED MATRIX W/2.5Y 3/1; 0-3" 10YR 4/2

### Hydrology

Inundated: YES  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; 3' WIDE SAT. W/16" WIDE 1" INUNDATION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 100% | 20% |
| Herb | *AGROSTIS TENUIS* | FAC | 10% | |
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 5% | |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 70% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-190  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 190

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, MOSTLY CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATED WITH WATER 6" DEEP IN DITCH

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 100% | 10% |
| Herb | *CAREX DENSA* | OBL | 15% | |
| Herb | *CAREX UNILATERALIS* | FACW | 5% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 5% | |
| Herb | *MENTHA PULEGIUM* | OBL | 20% | |
| Herb | *MYOSOTIS LAXA* | OBL | 20% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-191  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 191

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 8-18+"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES

Comment: CLAY; 0-8" 10YR 3/1, SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PATCHY SURFACE INUNDATION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 25% | |
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS PATENS* | FACW | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *MYOSOTIS LAXA* | OBL | 5% | |
| Herb | *TRIFOLIUM DUBIUM* | UPL | 5% | |
| Herb | *VICIA SATIVA* | UPL | 3% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-192  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 192

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 8-18+"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES

Comment: CLAY; 0-8" 10YR 3/2, SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 7
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 40% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-193  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: CM/DC  Sample Site: 193

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 5-18+"
Mottles: YES  Mottle Color: 2.5Y 5/3
Hydric Soil Criteria met: YES
Comment: CLAY, ALSO 7.5YR 4/4 MOTTS.; 0-5" 10YR 3/1

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: SOILS DAMP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *PYRUS MALUS* | UPL | 100% | 5% |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 95% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-194  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: CM/DC  Sample Site: 194

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 3/1  0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SANDY SILT LOAM, HIGHLY ORGANIC

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; ADJACENT TO CREEK 2.5' DEEP x 15' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 40% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 60% | 50% |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 30% | |
| Herb | *SCIRPUS ACUTUS* | OBL | 30% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 10% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 30% | 50% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-195  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: CM/DC  Sample Site: 195

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 40% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 15% | |
| Sapling/Shrub | *PRUNUS EMARGINATA* | *FACU | 15% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 30% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 40% | 25% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *GEUM MACROPHYLLUM* | *FACW- | 30% | |
| Herb | *MELISSA OFFICINALIS* | UPL | 25% | |
| Herb | *TELLIMA GRANDIFLORA* | UPL | 25% | 35% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-196  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: CM/DC  Sample Site: 196

## Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/1 3-18+"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES
Comment: CLAY LOAM, ALSO 7.5YR 4/6 MOTTS.; 0-3" 10YR 4/1

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. AT 3"; WETLAND DRAINAGE PATTERN; WATER STAINED LEAVES

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 33% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 50% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 10% | 33% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *JUNCUS TENUIS* | FACW- | 40% | 34% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-197  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: CM/DC  Sample Site: 197

### Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 4/1 6-18+"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES
Comment: PLATY CLAY; 0-6" 10YR 3/1 W/10YR 3/3 MOTTS., HIGHLY ORG. S/C/L

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: <8
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; WT PERCHED ABOVE 8"; SOME H2O ON SURF. .5-1"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *SALIX LASIANDRA* | FACW+ | 100% | 50% |
| Herb | *HOLCUS LANATUS* | FAC | 40% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 40% | 50% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-198  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: CM/DC  Sample Site: 198

### Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: SOILS DAMP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 35% | |
| Herb | *HOLCUS LANATUS* | FAC | 35% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-199  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 199

### Soils

Mapped Series and Phase: DIXONVILLE SILTY CLAY LOAM, 3-12% SLOPES
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 4/2 3-18+"
Mottles: YES  Mottle Color: 10YR 4/3
Hydric Soil Criteria met: YES

Comment: CLAY; 0-3" 10YR 3/1

### Hydrology

Inundated: YES  Depth: 4 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATED 4" IN DITCH

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS STOLONIFERA* | *FAC | 10% | |
| Herb | *MENTHA PULEGIUM* | OBL | 80% | |
| Herb | *MYOSOTIS LAXA* | OBL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: MOSTLY BARE SOIL - WET GRAZED PASTURE

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-200  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 200

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 4/1  0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; FLOWING WATER 6" DEEP X 6' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *JUNCUS EFFUSUS* | FACW | 20% | |
| Herb | *MENTHA PULEGIUM* | OBL | 30% | |
| Herb | *SCIRPUS MICROCARPUS* | OBL | 20% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 30% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-201  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 201

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 15% |
| Herb | *BELLIS PERENNIS* | UPL | 15% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *GALIUM APARINE* | FACU | 5% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *TRIFOLIUM DUBIUM* | UPL | 5% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 5% | |
| Herb | *VICIA SATIVA* | UPL | 10% | 85% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-202  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 202

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/1 6-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-6" 10YR 4/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PATCHY SURFACE INUNDATION .5-1.5"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 50% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 50% | 25% |
| Herb | *ANTHOXANTHUM ODORATUM* | FACU | 10% | |
| Herb | *CAREX DENSA* | OBL | 15% | |
| Herb | *CAREX PRATICOLA* | FACW | 15% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 15% | |
| Herb | *JUNCUS SP.* | FACW | 10% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | 75% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-203  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 203

### Soils

Mapped Series and Phase: WALDO SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: YES  Depth: 6 "  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; 6-8" DEEP FLOWING WATER 5-6' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 30% | |
| Herb | *CAREX DENSA* | OBL | 10% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 30% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 30% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-204  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 204

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CYTISUS SCOPARIUS* | UPL | 100% | 30% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *GALIUM APARINE* | FACU | 15% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 15% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 5% | |
| Herb | *POA PRATENSIS* | FAC | 40% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-205  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 205

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5GY 4/1  0-18+"
Mottles: YES  Mottle Color: 10YR 5/4
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: YES  Depth: 4 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 4-6" DEEP X 3' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 100% | 10% |
| Herb | *JUNCUS EFFUSUS* | FACW | 25% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 25% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 40% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-206  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 206

## Soils

Mapped Series and Phase: WOODBURN SILT LOAM, 0-3% SLOPES
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: 10YR 4/1 0-18+"
Mottles: YES  Mottle Color: 10YR 4/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, MOSTLY CLAY

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 2
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; WATER PONDED ON SURF. 2' WIDE IN SWALE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *POA TRIVIALIS* | FACW | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: MOSTLY BARE GROUND WITH SOME GRAZED GRASS

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-207  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 207

### Soils

Mapped Series and Phase: WOODBURN SILT LOAM, 0-3% SLOPES
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 10YR 4/3 LAYER MIXED IN AT 4", HARD-PACKED

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *QUERCUS GARRYANA* | UPL | 100% | 40% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 100% | 20% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 90% | 30% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-208  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 208

### Soils

Mapped Series and Phase: CONCORD SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/2  0-8"
Mottles: YES  Mottle Color: 10YR 3/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 8-18+" 10YR 5/3 W/7.5YR 4/6 MOTTS.

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PATCHY INUNDATION, 1" DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 100% | 95% |
| Herb | *POA TRIVIALIS* | FACW | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-209  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 209

### Soils

Mapped Series and Phase: CONCORD SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5GY 4/1  2-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: GLEYED CLAY; 0-2" 5Y 4/1 W/10YR 3/4 MOTTS.

### Hydrology

Inundated: YES  Depth: 5 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; ON EDGE OF POND ~3' DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 40% | |
| Tree | *SALIX LASIANDRA* | FACW+ | 30% | |
| Tree | *SALIX SCOULERIANA* | FAC | 30% | 60% |
| Herb | *CALLITRICHE STAGNALIS* | OBL | 10% | |
| Herb | *LEMNA MINOR* | OBL | 10% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 80% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-210  Date: 05/23/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 18
Investigator: JF/DC  Sample Site: 210

## Soils

Mapped Series and Phase: CONCORD SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/3  0-10"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 10-18+" 10YR 4/2 W/5YR 3/3 MOTTS.

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *LOLIUM PERENNE* | FACU | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-211  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 211

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/2  0-5"
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES
Comment: SILT LOAM

### Hydrology

Inundated: YES  Depth: 2 "  Saturated Soils: YES  Depth to Water Table:
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; POSSIBLE PERCHED WATER TABLE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *PHALARIS ARUNDINACEA* | FACW | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-212  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 212

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 7.5YR 3/2 0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ACER MACROPHYLLUM* | FACU | 100% | 40% |
| Sapling/Shrub | *CORNUS STOLONIFERA* | FACW | 30% | |
| Sapling/Shrub | *OEMLERIA CERASIFORMIS* | FACU | 40% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 30% | 20% |
| Herb | *CAREX DEWEYANA* | *FACU | 10% | |
| Herb | *GALIUM APARINE* | FACU | 20% | |
| Herb | *HERACLEUM LANATUM* | FAC+ | 40% | |
| Herb | *TELLIMA GRANDIFLORA* | UPL | 15% | |
| Herb | *THALICTRUM OCCIDENTALE* | *FACU | 15% | 30% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 29%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-213  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 213

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 5Y 3/1  0-18+"
Mottles: YES  Mottle Color: 10YR 3/2
Hydric Soil Criteria met: YES
Comment: ORGANIC SILT

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ALNUS RUBRA* | FAC | 70% | |
| Tree | *SALIX SCOULERIANA* | FAC | 30% | 50% |
| Sapling/Shrub | *CORNUS STOLONIFERA* | FACW | 30% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 40% | 30% |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 20% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 80% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-214  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 214

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 3/1  4-18+"
Mottles: YES  Mottle Color: 10YR 4/4
Hydric Soil Criteria met: YES

Comment: CLAY; 0-4" 10YR 4/3 W/5Y 4/1 MOTTS.

### Hydrology

Inundated: YES  Depth: 8 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION 8-12" DEEP X 7' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *RUMEX SP.* | FAC | 15% | |
| Herb | *SCIRPUS MICROCARPUS* | OBL | 45% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 40% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-215  Date: 04/22/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 215

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5YR 4/6  3+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM W/COBBLES; 0-3" 10YR 4/3, GRAVELLY S/C/L

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO 2" FROM RECENT RAIN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 10% | |
| Herb | *POA ANNUA* | FAC | 20% | |
| Herb | *TARAXACUM OFFICINALE* | FACU | 10% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 30% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-216  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 216

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 5YR 3/6
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PONDED 1-2" DEEP IN PATCHES

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 0% |
| Herb | *AGROSTIS ALBA* | *FAC | 30% | |
| Herb | *ALOPECURUS GENICULATUS* | OBL | 20% | |
| Herb | *BECKMANNIA SYZIGACHNE* | OBL | 15% | |
| Herb | *CAREX UNILATERALIS* | FACW | 5% | |
| Herb | *DOWNINGIA ELEGANS* | OBL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *PLAGIOBOTHRYS FIGURATUS* | FACW | 1% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-217  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 217

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 3/2  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; MOTTLES IN TOP 3" PRIMARILY DUE TO COMPACTION

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18.
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: ORs IN TOP 3" COMPACTION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 15% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 5% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 15% | |
| Herb | *LOLIUM PERENNE* | FACU | 30% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-218  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 218

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  4+"
Mottles: YES  Mottle Color: 5YR 3/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-4" 10YR 3/3

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; HUMMOCKY GROUND

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS ALBA* | *FAC | 20% | |
| Herb | *DANTHONIA SP.* | FACU | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-219  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 219

## Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  8+"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES

Comment: SILT LOAM; 0-8" 10YR 3/2

## Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; HUMMOCKY

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 0% |
| Herb | *AGROSTIS ALBA* | *FAC | 40% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *HOLCUS LANATUS* | FAC | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 15% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-220  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 220

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  8+"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES

Comment: CLAY; 0-8" 10YR 3/3, CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS ALBA* | *FAC | 20% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 10% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *EPILOBIUM PANICULATUM* | UPL | 20% | |
| Herb | *HOLCUS LANATUS* | FAC | 5% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 10% | |
| Herb | *PARENTUCELLIA VISCOSA* | FAC- | 2% | |
| Herb | *PRUNELLA VULGARIS* | FACU+ | 2% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-221  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 221

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  3+"
Mottles: YES  Mottle Color: 5YR 3/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-3" ORGANIC LAYER

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 60% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 70% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 30% | 5% |
| Herb | *ALOPECURUS GENICULATUS* | OBL | 25% | |
| Herb | *CAREX UNILATERALIS* | FACW | 10% | |
| Herb | *ERYNGIUM PETIOLATUM* | OBL | 30% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *MENTHA SP.* | FAC | 5% | |
| Herb | *MYOSOTIS SP.* | FAC | 15% | 35% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-222  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 222

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 30% | |
| Herb | *ANTHOXANTHUM ODORATUM* | FACU | 20% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA RUBRA* | FAC+ | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-223  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 223

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ACER MACROPHYLLUM* | FACU | 70% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 30% | 40% |
| Sapling/Shrub | *OEMLERIA CERASIFORMIS* | FACU | 5% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 95% | 30% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 10% | |
| Herb | *ELYMUS GLAUCUS* | FACU | 20% | |
| Herb | *HEDERA HELIX* | UPL | 10% | |
| Herb | *POLYSTICHUM MUNITUM* | FACU | 5% | |
| Herb | *TELLIMA GRANDIFLORA* | UPL | 20% | |
| Herb | *THALICTRUM OCCIDENTALE* | *FACU | 20% | 20% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 14%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-224  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 224

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 5Y 2.5/1  0-16"
Mottles: YES  Mottle Color: 7.5YR 3/4
Hydric Soil Criteria met: YES

Comment: CLAY; H2S ODOR

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 6
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED AT 2"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 90% |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-225  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/FS  Sample Site: 225

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 2.5/2
Mottles: YES  Mottle Color: 10YR 3/3
Hydric Soil Criteria met: YES
Comment: 0-18", SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Sapling/Shrub | *ACER MACROPHYLLUM* | FACU | 5% | |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 5% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 90% | 20% |
| Herb | *CAREX DEWEYANA* | *FACU | 10% | |
| Herb | *ELYMUS GLAUCUS* | FACU | 75% | |
| Herb | *GALIUM APARINE* | FACU | 5% | |
| Herb | *GEUM MACROPHYLLUM* | *FACW- | 5% | 20% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 40% | |
| Woody Vine | *RUBUS URSINUS* | FACU | 60% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 20%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-226  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 226

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  7+"
Mottles: YES  Mottle Color: 7.5YR 3/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-7" 10YR 3/1 W/5YR 3/3 MOTTS.

### Hydrology

Inundated: YES  Depth: 12"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SILT LINE ON TREE TRUNKS 4.5' HIGH

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 60% |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 35% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 35% | |
| Herb | *STACHYS COOLEYAE* | FACW | 30% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-227  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 227

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 7.5YR 3/1 4-12"
Mottles: YES  Mottle Color: 10YR 3/2
Hydric Soil Criteria met: YES
Comment: SANDY S/C/L; 0-4" ORGANIC S/L; 12-18+" 10YR 3/2 W/7.5YR 3/1 MOTT.

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURF.; FLOOD WATER MARKS, DEBRIS UP TO 5' HIGH

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 70% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 60% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 40% | 25% |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 10% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 90% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-228  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 228

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  3+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: DRY SILT LOAM; 0-3" ORGANIC DUFF, LEAVES

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *ACER MACROPHYLLUM* | FACU | 45% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 15% | |
| Tree | *PRUNUS SP.* | UPL | 40% | 50% |
| Sapling/Shrub | *PRUNUS SP.* | UPL | 60% | |
| Sapling/Shrub | *RUBUS PARVIFLORUS* | FAC- | 20% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 20% | 15% |
| Herb | *DICENTRA FORMOSA* | *FACU | 20% | |
| Herb | *HERACLEUM LANATUM* | FAC+ | 15% | |
| Herb | *SMILACINA RACEMOSA* | FAC- | 30% | |
| Herb | *TELLIMA GRANDIFLORA* | UPL | 30% | 15% |
| Woody Vine | *RUBUS URSINUS* | FACU | 100% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-229  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 229

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES

Comment: SILT LOAM

### Hydrology

Inundated: YES  Depth: 12"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PONDED 12+" DEEP, 30' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 75% |
| Sapling/Shrub | *CORNUS STOLONIFERA* | FACW | 50% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 50% | 25% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: CHANNEL MOSTLY BARE, WITH NO HERBACEOUS COVER

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-230  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 230

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 7.5YR 3/3 0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 50% |
| Sapling/Shrub | *LONICERA INVOLUCRATA* | *FAC+ | 20% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 80% | 30% |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 70% | |
| Herb | *HERACLEUM LANATUM* | FAC+ | 5% | |
| Herb | *MARAH OREGANUS* | UPL | 10% | |
| Herb | *SMILACINA STELLATA* | FAC- | 10% | 10% |
| Woody Vine | *RUBUS URSINUS* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 40%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-231  Date: 07/19/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 231

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES

Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF EXTENDED PONDING - MOIST, BARE GROUND, DEPRESSION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *PHALARIS ARUNDINACEA* | FACW | 30% | |
| Herb | *RANUNCULUS REPENS* | FACW | 40% | |
| Herb | *VERONICA AMERICANA* | OBL | 30% | 70% |
| Woody Vine | *SOLANUM DULCAMARA* | FAC+ | 100% | 30% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment: CHANNEL IS MOSTLY BARE; BANKS DOMINATED BY PHALARIS ARUNDINACEA

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-232  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 232

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/4  >9"
Hydric Soil Criteria met: YES

Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: EVID. OF INTERMIT. FLOOD.-DEBRIS LINES, WATER MARKS ON TREES

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-233  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 233

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *PHALARIS ARUNDINACEA* | FACW | 100% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-234  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 234

## Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2 0-18+"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES

Comment: SILT; ALSO 5Y 3/1 MOTTS.

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; SILT DEPOSIT ON TREES 8' HIGH

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 45% |
| Sapling/Shrub | *CORNUS STOLONIFERA* | FACW | 70% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 10% | |
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 20% | 50% |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-235  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 235

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 7.5YR 3/2 0-18"
Mottles: YES  Mottle Color: 5Y 3/1
Hydric Soil Criteria met: YES

Comment: SILT

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 16
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; FLOOD DEBRIS PILED UP, DRIFT LINES

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX LASIANDRA* | FACW+ | 50% | |
| Sapling/Shrub | *SALIX SITCHENSIS* | FACW | 50% | 30% |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 90% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 10% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-236  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 236

## Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 7.5YR 3/1
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: 11-18+", SILT LOAM; 0-11" 10YR 3/2, SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment: MOIST SOIL DUE TO RECENT RAINS

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DACTYLIS GLOMERATA* | FACU | 80% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment: Located in floodplain wetland/upland mosaic area.

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-237  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 237

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 4/1 13-18"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-8" 7.5YR 3/2, S/L; 8-13" 7.5YR 3/2, S/C/L

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: EVIDENCE OF PONDING: ALGAL MATS, BARE GROUND, DEPRESSIONAL AREA

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *GNAPHALIUM SP.* | FAC | 20% | |
| Herb | *VERONICA PEREGRINA* | OBL | 80% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-238  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 238

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2 12-18"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-12" 10YR 3/2, SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: MOIST SOIL; OBVIOUS DEPRESSIONAL AREA W/EVIDENCE OF PONDING

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS GENICULATUS* | OBL | 5% | |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 10% | |
| Herb | *CONVOLVULUS SP.* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *LACTUCA SERRIOLA* | FACU | 15% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 20% | |
| Herb | *POA TRIVIALIS* | FACW | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment: SEASONAL WET.-MOSTLY BARE GROUND NOW BEING INVADED BY UPL SPECIES

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-239  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 239

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: N 3/  0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: 6 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATED 6" DEEP, 5' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 15% | |
| Herb | *OENANTHE SARMENTOSA* | OBL | 30% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 15% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 2% | |
| Herb | *SCIRPUS MICROCARPUS* | OBL | 20% | |
| Herb | *VERONICA AMERICANA* | OBL | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-240  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 240

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/1  0-18"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; INUNDATION IN DITCH 3-5" DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 5% |
| Herb | *AGROSTIS ALBA* | *FAC | 15% | |
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 2% | |
| Herb | *CAREX DENSA* | OBL | 25% | |
| Herb | *CONVOLVULUS ARVENSIS* | UPL | 10% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 25% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 5% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 5% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 10% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 3% | 90% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 5% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LANDS  Project #: 95019-241  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 241

### Soils

Mapped Series and Phase: MALABON SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: WELL DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 5% | |
| Sapling/Shrub | *ROSA EGLANTERIA* | *FACW | 95% | 35% |
| Herb | *AGROSTIS TENUIS* | FAC | 10% | |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *DAUCUS CAROTA* | UPL | 5% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 20% | |
| Herb | *VICIA TETRASPERMA* | UPL | 5% | 50% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 15% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-242  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 242

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 2.5Y 4/1 5-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: CLAY; 0-5" 10YR 3/2, SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PATCHY SURFACE INUNDATION

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 35% |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *CAREX UNILATERALIS* | FACW | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 70% | |
| Herb | *RANUNCULUS ORTHORHYNCHUS* | FACW- | 20% | 65% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-243  Date: 05/15/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 243

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/2 10-18"
Mottles: YES  Mottle Color: 7.5YR 3/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-10" 10YR 3/2; FILL MATERIAL

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 15
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: RECENT RAIN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 100% | 10% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 60% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 40% | 25% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | |
| Herb | *GALIUM APARINE* | FACU | 25% | |
| Herb | *LAMIUM PURPUREUM* | UPL | 10% | |
| Herb | *POLYSTICHUM MUNITUM* | FACU | 10% | |
| Herb | *VICIA SATIVA* | UPL | 15% | 50% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 15% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-244  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 244

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 4/1  0-18+"
Mottles: YES  Mottle Color: 7.5YR 3/4
Hydric Soil Criteria met: YES

Comment: SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; PERCHED WATER TABLE AT 0-7"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 40% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 80% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 20% | 40% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 25% | |
| Herb | *CAREX UNILATERALIS* | FACW | 15% | |
| Herb | *RANUNCULUS ALISMIFOLIUS* | FACW | 30% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 30% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-245  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 245

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/1 0-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE (RECENT RAINS)

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 35% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | |
| Herb | *TRIFOLIUM DUBIUM* | UPL | 10% | |
| Herb | *VICIA SP.* | UPL | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-246  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 246

## Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 5Y 3/1  8-18"
Mottles: YES  Mottle Color: 10YR 3/2
Hydric Soil Criteria met: YES
Comment: CLAY; 0-8" 10YR 3/1 W/5Y 3/1 MOTTS., SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 5
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS GENICULATUS* | OBL | 10% | |
| Herb | *CAREX DENSA* | OBL | 5% | |
| Herb | *HOLCUS LANATUS* | FAC | 5% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 5% | |
| Herb | *MONTIA LINEARIS* | UPL | 5% | |
| Herb | *MYOSOTIS LAXA* | OBL | 5% | |
| Herb | *PLAGIOBOTHRYS FIGURATUS* | FACW | 30% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 25% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | |
| Herb | *VERONICA PEREGRINA* | OBL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-247  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 247

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 2.5Y 4/1 6-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: CLAY; 0-6" 10YR 3/2, ORGANIC SILTY CLAY LOAM

### Hydrology

Inundated: YES  Depth: 1 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; INUNDATION .5-2" DEEP; PERCHED WT 0-6"

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 5% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 70% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 25% | 40% |
| Herb | *CAREX DENSA* | OBL | 30% | |
| Herb | *CAREX PRATICOLA* | FACW | 5% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 30% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 5% | |
| Herb | *JUNCUS PATENS* | FACW | 15% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | |
| Herb | *VERONICA SCUTELLATA* | OBL | 5% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-248  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 248

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  8+"
Mottles: YES  Mottle Color: 7.5YR 5/8
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-8" 10YR 3/2 W/7.5YR 5/8 MOTTS.

### Hydrology

Inundated: YES  Depth: 6 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO SURF.; DEPRESSIONAL AREA OBVIOUSLY PONDS WINTER

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 15% | |
| Herb | *BECKMANNIA SYZIGACHNE* | OBL | 25% | |
| Herb | *BIDENS FRONDOSA* | FACW+ | 2% | |
| Herb | *CAREX UNILATERALIS* | FACW | 20% | |
| Herb | *CONVOLVULUS ARVENSIS* | UPL | 5% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 25% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-249  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 249

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 2.5Y 3/2  7+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 0-7" 10YR 3/3

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS ALBA* | *FAC | 25% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 10% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *HOLCUS LANATUS* | FAC | 2% | |
| Herb | *HYPERICUM PERFORATUM* | UPL | 5% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 15% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-250  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 250

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 7.5YR 3/2  6+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILTY CLAY LOAM; 0-6" 5YR 3/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *AGROSTIS TENUIS* | FAC | 25% | |
| Herb | *CENTAURIUM UMBELLATUM* | FAC | 5% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 10% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 40% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-251  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/FS  Sample Site: 251

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  10+"
Mottles: YES  Mottle Color: 7.5YR 5/8
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM; 0-10" 10YR 2/2 W/7.5YR 5/8 MOTTS.

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 5% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 20% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 50% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 5% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-252  Date: 07/20/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 252

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1  5+"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES

Comment: CLAY; 0-5" 10YR 3/2 W/7.5YR 4/6 MOTTS.

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 10
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; EVIDENCE OF PONDING-DEBRIS LINES

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 5% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 95% | 40% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 70% | |
| Sapling/Shrub | *ROSA SP.* | NI | 20% | |
| Sapling/Shrub | *SYMPHORICARPOS ALBUS* | FACU | 10% | 15% |
| Herb | *CAREX UNILATERALIS* | FACW | 25% | |
| Herb | *CONVOLVULUS ARVENSIS* | UPL | 15% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 10% | |
| Herb | *ERYNGIUM PETIOLATUM* | OBL | 50% | 45% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-253  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 13
Investigator: JF/DC  Sample Site: 253

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 10YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM, HIGH CLAY CONTENT

### Hydrology

Inundated: YES  Depth: 3 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 30% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 30% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 40% | 30% |
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 5% | |
| Herb | *OENANTHE SARMENTOSA* | OBL | 25% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 20% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 15% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 15% | |
| Herb | *VERONICA AMERICANA* | OBL | 20% | 70% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-254  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 254

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: MIXED GRAVELLY SILTY CLAY LOAM, MOSTLY CLAY; MIXED WITH 10YR 5/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *DAUCUS CAROTA* | UPL | 30% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 15% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 10% | |
| Herb | *PHALARIS AQUATICA* | FACW+ | 30% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-255  Date: 05/16/95
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 255

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 4/1  8-18+"
Mottles: YES  Mottle Color: 7.5YR 4/3
Hydric Soil Criteria met: YES
Comment: GRAVELLY SILT LOAM FILL; 0-8" 10YR 4/2; POSS. RELICT HYDRIC SOIL

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE (RECENT RAINS)

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 70% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 30% | 15% |
| Herb | *DAUCUS CAROTA* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 75% | |
| Herb | *HOLCUS LANATUS* | FAC | 10% | 75% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 10% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 50%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-256  Date: 05/16/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 12
Investigator: JF/DC  Sample Site: 256

### Soils

Mapped Series and Phase: CONSER SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 3/1  4-18+"
Mottles: YES  Mottle Color: 7.5YR 4/6
Hydric Soil Criteria met: YES
Comment: CLAY; 0-4" 5Y 3/1

### Hydrology

Inundated: YES  Depth: 6+"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 0% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 10% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 70% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 20% | 0% |
| Herb | *AGROSTIS STOLONIFERA* | *FAC | 25% | |
| Herb | *EPILOBIUM WATSONII* | FACW- | 20% | |
| Herb | *OENANTHE SARMENTOSA* | OBL | 25% | |
| Herb | *SOLANUM DULCAMARA* | FAC+ | 30% | 0% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-257  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: CM/DC  Sample Site: 257

### Soils

Mapped Series and Phase: AMITY SILT LOAM
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 10YR 4/3
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOILS DAMP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CYTISUS SCOPARIUS* | UPL | 100% | 5% |
| Herb | *AGROSTIS SP.* | FAC | 60% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *TRIFOLIUM PRATENSE* | FACU | 10% | 95% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 33%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-258  Date: 05/01/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: CM/DC  Sample Site: 258

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 5Y 4/1  0-18"
Mottles: YES  Mottle Color: 10YR 3/4
Hydric Soil Criteria met: YES
Comment: SILTY CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 3
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: 4' FROM PONDED AREA 1' DEEP X 6' WIDE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *CRATAEGUS DOUGLASII* | FAC | 40% | |
| Tree | *FRAXINUS LATIFOLIA* | FACW | 60% | 20% |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 100% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-259  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 259

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 4/2 8-12+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: GRAVELLY SANDY S/L W/ROCKS; 0-8" 10YR 3/2, S/C/L; ROCKY BELOW 12"

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 8
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ACHILLEA MILLEFOLIUM* | FACU | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 10% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *HYPOCHAERIS RADICATA* | *FACU | 20% | |
| Herb | *RANUNCULUS OCCIDENTALIS* | FAC | 20% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 25%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

**SRI/SHAPIRO**

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-260  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 260

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: N 3/  7-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY; 0-7" 10YR 3/1, SILTY CLAY LOAM

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SAT. TO 8"; MOIST >8"; PATCHY SURF. INUNDATION; HUMMOCKY

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALOPECURUS PRATENSIS* | FACW | 15% | |
| Herb | *CAMASSIA QUAMASH* | *FACW | 15% | |
| Herb | *CAREX DENSA* | OBL | 20% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS TENUIS* | FACW- | 20% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 10% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 67%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-261  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 261

### Soils

Mapped Series and Phase: BASHAW CLAY
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/1 0-18+"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: 2 "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *FRAXINUS LATIFOLIA* | FACW | 100% | 10% |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 100% | 35% |
| Herb | *CAMASSIA QUAMASH* | *FACW | 50% | |
| Herb | *GEUM MACROPHYLLUM* | *FACW- | 50% | 35% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 20% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 80%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-262  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 262

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 5Y 3/1
Hydric Soil Criteria met: YES
Comment: CLAY

### Hydrology

Inundated: YES  Depth: 12"  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; WATER FLOWING 20' WIDE X 1-2' DEEP

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *POPULUS TRICHOCARPA* | FAC | 30% | |
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 70% | 60% |
| Herb | *JUNCUS EFFUSUS* | FACW | 50% | |
| Herb | *PHALARIS ARUNDINACEA* | FACW | 50% | 40% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-263  Date: 08/17/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: PF/JVS  Sample Site: 263

### Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 2/1  3-14"
Mottles: YES  Mottle Color: 7.5YR 4/4
Hydric Soil Criteria met: YES

Comment: CLAY LOAM; 0-3" CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: YES  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; WETLAND DRAINAGE PATTERN

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 100% | 10% |
| Herb | *BOISDUVALIA DENSIFLORA* | FACW- | 10% | |
| Herb | *DESCHAMPSIA CESPITOSA* | FACW | 20% | |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 15% | |
| Herb | *EPILOBIUM WATSONII* | FACW- | 30% | |
| Herb | *MENTHA SP.* | FAC | 5% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 20% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

# SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-264  Date: 04/02/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 264

## Soils

Mapped Series and Phase: WITHAM SILTY CLAY LOAM, 2-7% SLOPES
On Hydric Soils List: NO
Drainage Class: SOMEWHAT POORLY DRAINED  Matrix Color: 10YR 3/1  0-14"
Mottles: NO
Hydric Soil Criteria met: YES
Comment: STICKY CLAY; 14+" ROCK

## Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 12
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: WATER TABLE SAME LEVEL AS ADJACENT STREAM

## Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 100% | 10% |
| Herb | *CYNOSURUS ECHINATUS* | UPL | 15% | |
| Herb | *DAUCUS CAROTA* | UPL | 10% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *PLANTAGO LANCEOLATA* | FAC | 5% | |
| Herb | *RUMEX CRISPUS* | FAC+ | 20% | |
| Herb | *TRIFOLIUM REPENS* | *FAC | 20% | |
| Herb | *VERONICA AMERICANA* | OBL | 5% | 90% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 75%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-265  Date: 06/30/95
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 6
Investigator: DC/FS  Sample Site: 265

### Soils

Mapped Series and Phase: BASHAW SILTY CLAY LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: 10YR 2/2  0-18"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: SILT LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Tree | *PYRUS MALUS* | UPL | 100% | 5% |
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 20% | |
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 40% | |
| Sapling/Shrub | *ROSA PISOCARPA* | FAC | 40% | 15% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 40% | |
| Herb | *CYNOSURUS CRISTATUS* | UPL | 15% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 25% | |
| Herb | *PHLEUM PRATENSE* | FAC- | 20% | 80% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 43%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-266  Date: 04/23/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 1
Investigator: JF/DC  Sample Site: 266

### Soils

Mapped Series and Phase: MCALPIN SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY WELL DRAINED  Matrix Color: 2.5Y 2.5/1
Mottles: NO
Hydric Soil Criteria met: YES
Comment: 0-18+", CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 0
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *CRATAEGUS DOUGLASII* | FAC | 25% | |
| Sapling/Shrub | *CRATAEGUS MONOGYNA* | *FACU+ | 25% | |
| Sapling/Shrub | *FRAXINUS LATIFOLIA* | FACW | 25% | |
| Sapling/Shrub | *ROSA NUTKANA* | FAC | 25% | 40% |
| Herb | *ALOPECURUS PRATENSIS* | FACW | 30% | |
| Herb | *CHRYSANTHEMUM LEUCANTHEMUM* | UPL | 20% | |
| Herb | *DAUCUS CAROTA* | UPL | 20% | |
| Herb | *GERANIUM CAROLINIANUM* | UPL | 5% | |
| Herb | *GEUM MACROPHYLLUM* | *FACW- | 5% | |
| Herb | *VICIA SP.* | UPL | 5% | 60% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 57%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-267  Date: 06/09/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 267

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 3/1 0-18+"
Mottles: YES  Mottle Color: 5Y 3/1
Hydric Soil Criteria met: YES

Comment: CLAY

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: 1
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *SALIX SCOULERIANA* | FAC | 100% | 30% |
| Herb | *DIPSACUS SYLVESTRIS* | FAC | 5% | |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 20% | |
| Herb | *JUNCUS EFFUSUS* | FACW | 40% | |
| Herb | *JUNCUS ENSIFOLIUS* | FACW | 15% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 20% | 55% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 15% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 60%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-268  Date: 06/09/96
County: BENTON  State: OR  Township: 12S  Range: 6W  Section: 11
Investigator: JF/DC  Sample Site: 268

### Soils

Mapped Series and Phase: COBURG SILTY CLAY LOAM
On Hydric Soils List: NO
Drainage Class: MODERATELY DRAINED  Matrix Color: 10YR 2/2 0-18+"
Mottles: NO
Hydric Soil Criteria met: NO
Comment: CLAY LOAM

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: NO  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: NO
Comment:

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Sapling/Shrub | *RHUS DIVERSILOBA* | UPL | 100% | 10% |
| Herb | *FESTUCA ARUNDINACEA* | FAC- | 60% | |
| Herb | *GALIUM APARINE* | FACU | 25% | |
| Herb | *VICIA TETRASPERMA* | UPL | 15% | 65% |
| Woody Vine | *RUBUS DISCOLOR* | FACU | 100% | 25% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 0%
Hydrophytic Vegetation Criteria met: NO

Comment:

Determination: **Non-Wetland**

Comment:

# WETLAND DELINEATION DATA FORM

## SRI/SHAPIRO

Routine Onsite Method

Applicant: OREGON DIVISION OF STATE LAND  Project #: 95019-269  Date: 06/08/96
County: BENTON  State: OR  Township: 12S  Range: 5W  Section: 7
Investigator: JF/DC  Sample Site: 269

### Soils

Mapped Series and Phase: DAYTON SILT LOAM
On Hydric Soils List: YES
Drainage Class: POORLY DRAINED  Matrix Color: N 5/  3-18+"
Mottles: YES  Mottle Color: 10YR 5/6
Hydric Soil Criteria met: YES
Comment: CLAY; 0-3" 10YR 4/2

### Hydrology

Inundated: NO  Depth: "  Saturated Soils: YES  Depth to Water Table: >18
Active Oxidized Rhizospheres Present: NO  Wetland Hydrology Criteria met: YES
Comment: SOIL SATURATED TO SURFACE; EVIDENCE OF PONDING

### Vegetation

| Type | Dominant Species | FWS Status | Stratum | Overall |
|---|---|---|---|---|
| Herb | *ALISMA PLANTAGO-AQUATICA* | OBL | 60% | |
| Herb | *ELEOCHARIS PALUSTRIS* | OBL | 20% | |
| Herb | *JUNCUS BUFONIUS* | FACW | 10% | |
| Herb | *TYPHA LATIFOLIA* | OBL | 5% | |
| Herb | *VERONICA PEREGRINA* | OBL | 5% | 100% |

Percentage of dominant (>= 20%) species that are FAC, FACW or OBL: 100%
Hydrophytic Vegetation Criteria met: YES

Comment:

Determination: **Wetland**

Comment:

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 6/9/95 | **Wetland Mapping Code:** | MR–1 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 0.88 |
| **Data Sheet Numbers:** | 1, 2, 3, 4, 5, 6, 7, 267, 268, 211 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R6W, S11 | **Tax Lot(s):** | 400, 401, A900, A904, A1000 |
| **Other:** | North of Highway 20, at western end of UGB | | |
| **Hydrologic Basin:** | Mary's River | | |

**Soils**

**Mapped Series:** *Witham S/C/L, 2 to 7 % slopes, Coburg S/C/L, Dixonville S/C/L, 20 to 30% slopes*

**Hydrology**

**Hydrologic Source:** surface water, intermittent drainage, precipitation

**Wetland Classification(s):** PFO, PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Salix scouleriana* | | *Juncus tenuis* |
| *Quercus garryana* | *Rosa sp.* | | *Carex stipata* |
| | *Fraxinus latifolia* | | *Festuca arundinacea* |
| | | | *Juncus effusus* |
| | | | *Eleocharis sp.* |
| | | | *Typha latifolia* |
| | | | *Melissa officionalis* |
| | | | *Phalaris arundinacea* |
| | | | |
| | | | |

**Comments**

Mostly a narrow intermittent drainageway from top of hill, located west of gravel road. Culverted and channelized in portions. A few areas (approx 25 to 35' wide) appear to pond long enough to develop some wetland characteristics. At northern end the land is undeveloped open space, with agricultural land at southern end. The drainage widens at the southern end. Depression at north side of the railroad tracks is a small cattail area. Upland areas dominated by Quercus garryana, Rhus diversiloba, and a Douglas fir plantation. Some interspersion of wetland and upland vegetation. Drainage continues south of Highway 20 in an excavated north–south oriented ditch along a private gravel drive. Some Typha latifolia at north end of ditch. Southern end is dominated by Phalaris arundinacea. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/22/96 | **Wetland Mapping Code:** | MR–2 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 0.76 |
| **Data Sheet Numbers:** | 8, 9, 10, 11 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S11 | **Tax Lot(s):** | 904, AC1700, AC1100, |
| **Other:** | South of intersection of Pioneer Street and Adelaide Street | | DA2100, AC1200 |
| **Hydrologic Basin:** | Mary's River | | |
| **Soils** | | | |
| **Mapped Series:** | *Witham silty clay loam, 2 to 7 % slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | surface drainage, ground water | | |
| **Wetland Classification(s):** | PFO | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Salix scouleriana* | | *Camassia quamash* |
| *Quercus garryana* | *Rosa pisocarpa* | | *Carex sp.* |
| | *Crataegus douglasii* | | *Festuca arundinacea* |
| | | | *Juncus patens* |
| | | | *Phalaris arundinacea* |
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**Comments**

Intermittent drainageway begins on a large property north of 7th Street and flows south through residential properties. The drainage terminates at its southern end where it flows into a storm drain. Three separate wetland areas are connected by a remnant drainageway. The remaining wetland is disturbed by fill of soil and chunks of concrete, and cut trees. Small pond (10' x 10') at west end of Damper Drive is filled with debris. Some traffic noise is audible. Surrounding upland vegetation is dominated by Pseudotsuga menziesii, Quercus garryana, Amelanchier alnifolia, Rhus diversiloba, and Festuca arundinacea.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 3/27/96, 3/28/96 | **Wetland Mapping Code:** MR–3 |
| **Investigator(s):** JF, FS | **Size (acres):** 7.37 |
| **Data Sheet Numbers:** 33, 34, 35, 36 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S1 and S12 | **Tax Lot(s):** 1500, 2200, CD100 |
| **Other:** East of intersection of West Hills Rd and Memory Ln | |
| | |
| **Hydrologic Basin:** Mary's River | |

**Soils**

**Mapped Series:** *Bashaw clay, Witham silty clay loam 2 to 7% slopes*

**Hydrology**

**Hydrologic Source:** groundwater seeps, surface drainage, precipitation

**Wetland Classification(s):** PFO, PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Cornus stolonifera* | | *Agrostis tenuis* |
| | *Pyrus fusca* | | *Glyceria sp.* |
| | *Physocarpos capitatus* | | *Holcus lanatus* |
| | *Rosa nutkana* | | *Juncus tenuis* |
| | | | *Lysichitum americanum* |
| | | | *Ranunculus sp.* |
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**Comments**

Mostly an ash forested wetland that is fed by groundwater seeps. Inundated at time of site visit. Some disturbance evident in invasion of blackberry and English ivy. Very open understory throughout the forested area. Eastern end is an open pasture that slopes to the southeast. Dominant upland vegetation includes Acer macrophyllum, Oemleria cerasiformis, Corylus cornuta, Symphoricarpos albus, Daucus carota, Carex deweyana, Urtica dioica, and Elymus caput–medusae. Lots of noise from mill site and railroad. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/22/96 | **Wetland Mapping Code:** | MR–4 |
| **Investigator(s):** | DC, JF | **Size (acres):** | 2.63 |
| **Data Sheet Numbers:** | 12, 13, 14, 15, 16, 17, 18, 19 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S11 and S12 | **Tax Lot(s):** | A1200, A811, B1700, |
| **Other:** | North of Marilyn Drive, crossing S.W. West Hills Road | | BB1200, BB1700, BB1200 |
| | | | BB600, BB700 |
| **Hydrologic Basin:** | Mary's River | | |
| **Soils** | | | |
| **Mapped Series:** | *Witham silty clay loam, 2 to 7% slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Surface water, ground water, precipitation | | |
| **Wetland Classification(s):** | PEM, POW, PFO | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Alnus rubra* | | *Rubus discolor* | *Glyceria sp.* |
| *Crataegus douglasii* | | | *Festuca arundinacea* |
| *Fraxinus latifolia* | | | *Juncus effusus* |
| *Salix lasiandra* | | | *Rorippa nasturt.–aquat.* |
| *Salix scouleriana* | | | *Solanum dulcamara* |
| | | | *Typha latifolia* |
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**Comments**

Wetland starts as an intermittent drainage channel at western boundary of the UGB through Quercus garryana and Rhus diversiloba dominated woods, with scattered Camassia quamash. In the wetland area, the channel is 3' wide with flowing water 4" deep. South end of the wetland channel flows through a horse pasture. South of the pasture immediately north of Marilyn Drive, is an overgrown excavated stock pond. The margin is dominated by Alnus rubra and Salix spp. Wider stream channel on east side of S.W. West Hills Road through undeveloped pasture. Zoned urban residential. Surrounding upland vegetation dominated by Quercus garryana, Pseudotsuga menziesii, Acer macrophyllum, Symphoricarpos albus, Rubus discolor, Lamium purpureum, Galium aparine, Geranium carolinianum, Epilobium paniculatum, Daucus carota, and Stellaria media.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/22/96 | **Wetland Mapping Code:** | MR–5 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 3.84 |
| **Data Sheet Numbers:** | 23, 24, 25, 26, 27, 28, 29 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R6W, S12 | **Tax Lot(s):** | A1200, BA403, BA405, |
| **Other:** | East of 12th Street, north of Pioneer Street | | BA406, BA400, BA402, |
| | | | BA500, BA500, BA600 |
| **Hydrologic Basin:** | Mary's River | | BA800, BA700, BA900 |

**Soils**

**Mapped Series:** *Amity silt loam, Bashaw clay*

**Hydrology**

**Hydrologic Source:** Surface water, ground water

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Amelanchier alnifolia* | | *Alopecurus pratensis* |
| | *Crataegus douglasii* | | *Camassia quamash* |
| | *Crataegus monogyna* | | *Carex densa* |
| | *Fraxinus latifolia* | | *Potentilla anserina* |
| | *Rosa nutkana* | | *Ranunculus sp.* |
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**Comments**

Wetland originates at east end of Adams Street from ground water sources in an Alopecurus pratensis dominated field. A shallow ditch conveys water southward along platted but unconstructed section of 13th Street. This drainage joins other wetland swales, some scrub/shrub, located in small pastures and backyards. Roadside ditches along 12th Street also convey water into this wetland area. Some areas are disturbed by grazing. Lots of noise from mill site to the east. Zoned light industrial and urban residential. Surrounding dominant upland vegetation: Quercus garryana, Amelanchier alnifolia, Symphoricarpos albus, Galium aparine, Cirsium arvense, Hypochaeris radicata, and Vicia sativa. Some on–going construction in area at time of site visit. Fill pads for manufactured home sites near Monroe Street between 11th and 12th Streets. Additional tax lots: BA1200, BD5700, BD5800, BD5900, A1800, 900

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 3/27/96, 4/23/96 | **Wetland Mapping Code:** | MR–6 |
| **Investigator(s):** | JF, DC, FS | **Size (acres):** | 3.82 |
| **Data Sheet Numbers:** | 20, 21, 22 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S12 | **Tax Lot(s):** | BB1600, BB1500, BC801 |
| **Other:** | North of Pioneer Street, | | BC700, BC400, BC200, |
| | east of 9th Street, and west of 12th Street | | BC100, BC3101, BC3401, |
| **Hydrologic Basin:** | Mary's River | | BC3300, BB1200 |
| **Soils** | | | |
| **Mapped Series:** | *Bashaw clay, Witham silty clay loam 2 to 7% slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Surface water, ground water | | |
| **Wetland Classification(s):** | PSS, PEM | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Alnus rubra* | *Fraxinus latifolia* | *Rubus discolor* | *Festuca arundinacea* |
| *Salix scouleriana* | *Rosa pisocarpa* | | *Holcus lanatus* |
| | | | *Juncus effusus* |
| | | | *Juncus ensifolius* |
| | | | *Juncus tenuis* |
| | | | *Scirpus microcarpus* |
| | | | *Typha latifolia* |
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**Comments**

Wetland originates from an approximately 50' x 30' wide pond on the east side of S.W. West Hills Road. A roadside ditch conveys water south toward a PEM and PFO swale that averages about 50' wide, and is surrounded by upland pasture. This swale is oriented to the southeast, and flows under 11th Street thorugh a culvert behind several houses and then through a wide Fraxinus latifolia and Camassia quamash dominated wetland. Water drains into a catch basin at the SW corner of 12th Street and Pioneer Street. Quite a bit of traffic noise, and noise from the mill site. Zoned urban residential and medium density residential. At the time of the site visit, water was flowing approximately 2" deep in some areas. Upland vegetation: scattered Quercus garryana, Thuja plicata, and Pseudotsuga menziesii upslope of wetland areas.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 5/15/96 | **Wetland Mapping Code:** | MR–7 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 5.21 |
| **Data Sheet Numbers:** | 212, 213 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R6W, S11 | **Tax Lot(s):** | 399, 400, 500, |
| **Other:** | South of Main Street, west of 7th Street, in SW UGB corner adjacent to the Mary's River | | 600 |
| **Hydrologic Basin:** | Mary's River | | |

**Soils**

**Mapped Series:** *Coburg silty clay loam*

**Hydrology**

**Hydrologic Source:** surface water, precipitation, river floodwater

**Wetland Classification(s):** PFO

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Alnus rubra* | *Salix lasiandra* | | *Solanum dulcamara* |
| *Populus trichocarpa* | *Cornus stolonifera* | | *Phalaris arundinacea* |
| *Salix scouleriana* | *Fraxinus latifolia* | | |
| *Fraxinus latifolia* | | | |
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**Comments**

Old oxbow along the north bank of the Mary's River, near the southwestern UGB. Inundation in places at the time of the site visit; heavy sediment deposit on trees within the old oxbow channel. Definite signs of seasonal flooding. Surrounding upland vegetation: Acer macrophyllum, Oemleria cerasiformis, Symphoricarpos albus, Rubus discolor, Heracleum lanatum, and Galium aparine. Bird species observed: Bewick's wren, American robin, and Black–headed grosbeak. Zoned urban residential. Currently open space riparian forest and adjacent area to the north is pasture. This wetland is partially fed by a drainage ditch from south of Highway 20. Norhtwestern pond turtle (Clemmys marmorata marmorata) sighted in this area (ODFW).

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 7/19 and 7/20/95<br>5/15 and 5/16/96 | **Wetland Mapping Code:** | MR–8 |
| **Investigator(s):** | FS, JF, DC | **Size (acres):** | 10.05 |
| **Data Sheet Numbers:** | 214 through 231 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S12, S13, S14 | **Tax Lot(s):** | 1100, 1103, 501, 500, |
| **Other:** | Mary's River Park, south of Applegate Street, and water treatment plant west of park | | CB1900, CB1800 |
| **Hydrologic Basin:** | Mary's River | | |
| **Soils** | | | |
| **Mapped Series:** | *Conser silty clay loam, Coburg silty clay loam, Malabon silty clay loam* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | groundwater, surface water, precipitation, river floodwater | | |
| **Wetland Classification(s):** | PFO, PSS, PEM | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Crataegus douglasii* | *Rubus ursinus* | *Agrostis alba* |
| | *Cornus stolonifera* | | *Alopecurus geniculatus* |
| | *Fraxinus latifolia* | | *Eryngium petiolatum* |
| | *Rosa pisocarpa* | | *Phalaris arundinacea* |
| | | | *Scirpus microcarpus* |
| | | | *Solanum dulcamara* |
| | | | *Stachys cooleyae* |
| | | | *Ranunculus repens* |
| | | | *Veronica americana* |
| | | | *Juncus tenuis* |

**Comments**

Two kinds of wetland: old fluvial features north of active Mary's River channel including old oxbows, and gently sloping headwaters south of Applegate Street toward roadside ditches at western and eastern boundaries of park. There appears to have been some fill placed in the northern end of the park, near the new City Hall building. On the western side of the wetland outside the park grounds, there is a scrub/shrub pond south of the water treatment plant delineated by Scoles Assoc., Inc. There is a 300'long, 25'wide new gravel road along the northern boundary of the pond. Mature forested area dominated by ash, and field is being invaded by young ash saplings. Field appears to have been ditched for historic agricultural use. Quiet city park, but some signs of human disturbance: trash and old wood debris. Zoned light industrial and public (park). Good access by way of trails. Potential for educational uses. Western pond turtle (Clemmys marmorata marmorata) sighted in this area (ODFW).

**Wetland Classification Codes:**

PFO = palustrine forested
PSS = palustrine scrub–shrub
PEM = palustrine emergent
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 7/20/95, 5/15/96 | **Wetland Mapping Code:** MR–9 |
| **Investigator(s):** JF, DC, FS | **Size (acres):** 2.10 |
| **Data Sheet Numbers:** 232, 233, 234, 235 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S12 and S13 | **Tax Lot(s):** CB4200, 1201 |
| **Other:** South of Applegate Street, east of Mary's River Park | |
| **Hydrologic Basin:** Mary's River | |

**Soils**

**Mapped Series:** *Malabon silty clay loam*

**Hydrology**

**Hydrologic Source:** surface water, precipitation, and river floodwater

**Wetland Classification(s):** PEM, PFO

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Cornus stolonifera* | | *Solanum dulcamara* |
| | *Fraxinus latifolia* | | *Phalaris arundinacea* |
| | *Salix lasiandra* | | |
| | *Salix sitchensis* | | |
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**Comments**

Roadside ditch along eastern boundary of Mary's River Park, south of Applegate Street, receives water through a culvert under gravel road that drains water from the open field at northern end of Mary's River Park. Channel varies in width and depth, and is mostly unvegetated except where the wetland spreads out at south end in a wide Phalaris arundinacea–dominated area, surrounded by forested riparian habitat. Mature overstory of Fraxinus latifolia. Adjacent upland is vegetated with Symphoricarpos albus, Hydrophyllum tenuipes, and Delphinium sp. Obvious intermittent flooding: silt line on trees 4 ' high, debris lines on chainlink fence at property boundary. Zoned public and urban residential. Songbird species observed: Bewick's wren, American robin, American goldfinch, black–headed grosbeak, song sparrow and others. Western edge of wetland is part of a city park. Northwestern pond turtle (Clemmys marmorata marmorata) sighted in this area (ODFW).

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 5/17/96 | **Wetland Mapping Code:** MR–10 |
| **Investigator(s):** JF, DC | **Size (acres):** 0.73 |
| **Data Sheet Numbers:** 236, 237, 238 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S13 | **Tax Lot(s):** 1300 |
| **Other:** Field immediately east of rodeo grounds, west of south 13th Street | |
| **Hydrologic Basin:** Mary's River | |

**Soils**

**Mapped Series:** *Coburg silty clay loam, Malabon silty clay loam*

**Hydrology**

**Hydrologic Source:** groundwater and precipitation

**Wetland Classification(s):** PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | | | *Convolvulus sp.* |
| | | | *Gnaphthalium sp.* |
| | | | *Veronica peregrina* |
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**Comments**

Shallow depressional area in a hayfield. Wet areas were bare of tall grasses, with large patches of Veronica peregrina. Small amounts of Rorippa curvisiliqua also present. Evidence of ponding: algal mats, cracked soil surface. According to property owner, inundation had occurred earlier in the season. At the time of the site visit weedy upland plants were invading the wetland areas: Lactuca serriola, Daucus carota, Geranium carolinianum, and Taraxacum officinale. Zoned as urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 7/20/95, 5/16/96 | **Wetland Mapping Code:** | MR–11 |
| **Investigator(s):** | JF, DC, FS | **Size (acres):** | 1.5 |
| **Data Sheet Numbers:** | 239, 240, 241 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12s, R6W, S12 and S13 | **Tax Lot(s):** | 1201, 1300, 1400, |
| **Other:** | Adjacent to S. 13th Street, north of intersection of 13th Street and Chapel Drive | | 1401, 1402 |
| **Hydrologic Basin:** | Mary's River | | |

**Soils**

**Mapped Series:** *Coburg silty clay loam, Malabon silty clay loam*

**Hydrology**

**Hydrologic Source:** surface water, ground water, precipitation

**Wetland Classification(s):** PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | *Fraxinus latifolia* | *Rubus discolor* | *Carex densa* |
| | | | *Eleocharis palustris* |
| | | | *Oenanthe sarmentosa* |
| | | | *Scirpus microcarpus* |
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**Comments**

Roadside ditch wetland, 4 to 6' wide, and 3 to 4' below street level, along western edge of S. 13th Street.
Water flows south and under 13th Street in a culvert. Drainage crosses a backyard field in an excavated ditch and reportedly floods the yard during times of heavy rainfall. No access to pasture on east side – OFF SITE mapping.
Limited wildlife, educational, and recreational value. Low interspersion of plant communities. No buffer.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 7/20/95, 5/15 and 5/16/96 | **Wetland Mapping Code:** | MR–12 |
| **Investigator(s):** | FS, JF, DC | **Size (acres):** | 7.20 |
| **Data Sheet Numbers:** | 242 through 252 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S12 and S13 | **Tax Lot(s):** | CA10405, CA10400, CD201, |
| **Other:** | Between south 13th and 15th Streets, | | CD200, CD300, CD1500, |
| | north and south of Cedar Street | | CD1600 |
| **Hydrologic Basin:** | Mary's River | | |
| **Soils** | | | |
| **Mapped Series:** | *Coburg silty clay loam, Conser silty clay loam* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | ground water, surface water, precipitation | | |
| **Wetland Classification(s):** | PSS, PFO, PEM | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Fraxinus latifolia* | *Rubus discolor* | *Alopecurus pratensis* |
| *Crataegus douglasii* | *Rosa nutkana* | | *Carex densa* |
| | *Crataegus douglasii* | | *Carex unilateralis* |
| | | | *Camassia quamash* |
| | | | *Deschampsia cespitosa* |
| | | | *Eleocharis palustris* |
| | | | *Festuca arundinacea* |
| | | | *Beckmania syzigachne* |
| | | | *Ranunculus orthorhynchos* |
| | | | *Plagiobothrys figuratus* |

**Comments**

Northern end of wetland is an ash–dominated scrub/shrub and forested wetland south of an apartment complex, at the south end of 14th Street. Human disturbance: trails and cleared areas (utility crossings?) and dumped garbage. Narrow connection to a PEM field dominated by Plagiobothrys. More pasture grasses and Deschampsia seen in 1995 site visit. Possibly the field had been tilled after July 1995. South end of field was inundated with Carex and Juncus patens under a young ash stand. No access to property in southwest area – OFF SITE mapping. Part of the southern forested swale (visible from properties adjacent to 15th Street) appears to have been filled with material scraped from the western side of the property. This swale continues east across a property line and ends in a ponded ash depression with some Eryngium petiolatum. Isolated smaller depression on eastern side is dominated by Deschampsia cespitosa and Alopecurus pratensis. Zoned medium density and urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 5/16/96 | **Wetland Mapping Code:** | MR–13 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 3.5 |
| **Data Sheet Numbers:** | 253, 254, 255, 256 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S12 and S13 | **Tax Lot(s):** | 1500, DC2700 |
| **Other:** | East of south 15th Street, south of Cedar Street along Willow Lane | | |
| | South of the school | | |
| **Hydrologic Basin:** | Mary's River | | |
| **Soils** | | | |
| **Mapped Series:** | *Coburg silty clay loam, Conser silty clay loam* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Surface water, ground water, precipitation | | |
| **Wetland Classification(s):** | PEM, PFO | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Fraxinus latifolia* | | *Agrostis stolonifera* |
| | *Rosa nutkana* | | *Epilobium watsonii* |
| | *Crataegus douglasii* | | *Oenanthe sarmentosa* |
| | | | *Solanum dulcamara* |
| | | | *Phalaris arundinacea* |
| | | | *Veronica americana* |
| | | | |
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**Comments**

Hydrologic source from north–south ditch along west side of wetland, another ditch on north side of wetland, and from a culvert in the northeast corner. The western end is dominated by scrub/shrub vegetation. The ash forest has an open understory and was inundated with 6" of water. Human disturbance evident by presence of dumped garbage. Also much noise from the mill site and from the school grounds. No public access to the area. Mill site in southern part of wetland, and apartments to the east. Main hydrologic source is ground water in forested portion. OFFSITE mapping of mill pond and ditches on mill site property.

Zoned public, medium density residential, and heavy industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 3/28/96, 4/3/96 | **Wetland Mapping Code:** | NC–1 |
| **Investigator(s):** | JF, DC, FS | **Size (acres):** | 5.0 |
| **Data Sheet Numbers:** | 30, 31, 32, 37, 38, 41, 64, 65, 66, 67 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S1, S2, and S12 | **Tax Lot(s):** | 700, DD300, 1500, 2200 |
| **Other:** | Crossing the north end of West Hills Road, south and east of Heritage Hills Drive | | CD100, A900, A800, A2600, A2500 |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Bashaw silty clay loam, Waldo silty clay loam* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | ground water, surface drainage, and precipitation | | |
| **Wetland Classification(s):** | PEM, PFO, POW | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Quercus garryana* | *Pinus ponderosa (planted)* | | *Deschampsia cespitosa* |
| *Fraxinus latifolia* | *Salix sp.* | | *Festuca rubra* |
| | *Fraxinus latifolia* | | *Juncus tenuis* |
| | *Rosa spp.* | | *Lolium perenne* |
| | *Crataegus douglasii* | | *Lysichitum americanum* |
| | | | *Alopecurus pratensis* |
| | | | *Dipsacus sylvestris* |
| | | | *Camassia quamash* |
| | | | *Melissa officionalis* |
| | | | *Phalaris arundinacea* |

**Comments**

Headwaters of tributary to Newton Creek. Westernmost end is a drainageway, approximately 5' wide, which flows east and through two 2' diameter round concrete culverts under a pathway. Small excavated pond, approximately 12' x 30' wide south of a tree plantation. Wetland is also fed by an intermittent drainage from the north. Channel is somewhat degraded with dumped garbage and gravel fill. East of West Hills Rd, wetland channel is vegetated with Lysichitum americanum, and Alnus rubra on banks. Stream is fed by another intermittent drainage channel through open pasture from the north. Surrounding upland vegetation: Rubus discolor, Alnus rubra, Polystichum munitum, Carex deweyana, Agrostis tenuis, and Elymus caput–medusae. Red–tailed hawk observed on site. Zoned urban residential. Stream flows through culverts under gravel roadway west of Industrial Way. At southern end of this area, water drains into a pond area bordering a mill site. An outlet back to the stream is located at its eastern end.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 3/28/96, 4/30/96 | **Wetland Mapping Code:** NC–2 |
| **Investigator(s):** JF, DC, CM, FS | **Size (acres):** 1.38 |
| **Data Sheet Numbers:** 59, 60, 61 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S12 | **Tax Lot(s):** A1100, A900, A2600 |
| **Other:** West of Industrial Way, east of Adams Street | |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Bashaw Clay*

**Hydrology**

**Hydrologic Source:** Intermittent stream, surface and ground water, precipitation

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | *Fraxinus latifolia* | | *Alopecurus pratensis* |
| | *Salix sp.* | | *Camassia quamash* |
| | *Rosa spp.* | | *Dipsacus sylvestris* |
| | *Crataegus douglasii* | | *Melissa officionalis* |
| | | | *Phalaris arundinacea* |
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**Comments**

This wetland is fed by a small intermittent drainage from the northwest. The topography is a slight depression in a generally flat area. The soils have a high clay component and the wetland ponds surface water from surrounding fields. The area is included in a former mill site which shows some past soil manipulation. The wetland is mostly emergent with small patches of scrub/shrub vegetation. The surrounding fields appear to be mowed on an irregular basis. Off–road vehicle tracks are located through the wetland, forming deep ruts that pond surface water. OFF–SITE mapping of the eastern drainage included in this wetland, due to denied access. Zoned industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 4/30/96 | **Wetland Mapping Code:** NC–3 |
| **Investigator(s):** CM, DC | **Size (acres):** 5.43 |
| **Data Sheet Numbers:** 62, 63 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S12 | **Tax Lot(s):** A2500, A2600 |
| **Other:** Log pond south of Industrial Way and north of Southern Pacific Railroad | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Mapped as water: former mill pond*

**Hydrology**

**Hydrologic Source:** Surface water, ground water

**Wetland Classification(s):** PSS, PEM, POW

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Salix lasiandra* | *Salix lasiandra* | | *Polygonum spp.* |
| | | | *Agrostis stolonifera* |
| | | | *Veronica americana* |
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**Comments**

Former mill pond. The banks of the pond are mostly steep with a narrow fring of wetland. The north side has piles of wood chips, and is overgrown with weedy upland species. A seep area is located northwest of the pond and feeds an emergent wetland area. Much of the pond edge is dominated by blackberry thickets. Hydrophytic plant species are scattered in clumps. The pond is retained by a dike on the east and south sides of the pond. The dike measures up to 10' in height from the surrounding ground level. The pond outlet is on the center of the east side, where water flows into a long, linear emergent wetland through an active mill site. OFF–SITE mapping of this linear segment due to denied property access. Just north of the railroad tracks, there is an emergent wetland area that is created by ponded water at the base of the fill slope for the tracks. Zoned industrial and heavy industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 3/28/96, 4/3/96 | **Wetland Mapping Code:** | NC–4 |
| **Investigator(s):** | JF, DC, FS | **Size (acres):** | 26.11 |
| **Data Sheet Numbers:** | 39, 40, 41, 42, 43, 44, 45, 46, 47 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S1 and S12 | **Tax Lot(s):** | 2200, 2300, B1600, 700 |
| **Other:** | South of West Hills Road, | | B1500, B1400, 2300, |
| | in northwestern UGB corner | | 1100, CD100, 1000, |
| **Hydrologic Basin:** | Newton Creek | | A800, A900, A700 |
| **Soils** | | | |
| **Mapped Series:** | *Bashaw silty clay loam, Bashaw clay, Waldo silty clay loam* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | ground water, surface drainage, precipitation | | |
| **Wetland Classification(s):** | PEM, PSS, PFO | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Crataegus douglasii* | | *Agrostis tenuis* |
| | *Crataegus monogyna* | | *Agrostis stolonifera* |
| | *Fraxinus latifolia* | | *Camassia quamash* |
| | *Rosa eglantaria* | | *Carex densa* |
| | *Rosa pisocarpa* | | *Deschampsia cespitosa* |
| | *Salix sp.* | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus effusus* |
| | | | *Juncus tenuis* |
| | | | *Juncus patens* |

**Comments**

Palustrine emergent swales and ash wooded channels drain water southward across pastures. Northernmost end is a wet horse pasture. A pipe drains water under a private drive toward a cow pasture. West of OFFSITE mapped portion of the wetland is an excavated pond, approximately 50' x 30'. North of the pond is an area of excavated ditches in a chicken/goose yard. Ash and camas wetland east of this area. Southernmost end of this wetland is a mosaic of Deschampsia wet prairie with hummocky ground, surface drainage patterns, and rivulets. Disturbed with tire tracks. Wildlife observed: numerous snipe observed in wetland areas. Zoned as urban residential and light industrial. Eastern portion of this wetland area contains a tufted hairgrass (Deschampsia cespitosa) community.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/2/96, 4/3/96, 4/23/96 | **Wetland Mapping Code:** | NC–5 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 14.7 |
| **Data Sheet Numbers:** | 53, 54, 55, 56, 57, 58, 266 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S1 and S12 | **Tax Lot(s):** | B1500, B1400, 800 |
| **Other:** | South of intersection of McBee Road | | 700, A500 |
| | and West Hills Drive | | |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Bashaw silty clay loam, Bashaw clay, McAlpin S/C/L, Witham S/C/L, 2 to 7% slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | ground water, surface drainage, precipitation | | |
| **Wetland Classification(s):** | PFO, PEM | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Crataegus douglasii* | | *Agrostis tenuis* |
| *Populus trichocarpa* | *Crataegus monogyna* | | *Alopecurus pratensis* |
| | *Fraxinus latifolia* | | *Camassia quamash* |
| | *Rosa nutkana* | | *Daucus carota* |
| | *Rosa pisocarpa* | | *Deschampsia cespitosa* |
| | *Salix sp.* | | *Chrysanthemum leucanth.* |
| | | | *Juncus patens* |
| | | | *Juncus effusus* |
| | | | *Juncus tenuis* |
| | | | *Ranunculus occidentalis* |

**Comments**

Upper reaches of Newton Creek within the UGB. OFFSITE mapping in the middle portion of the wetland. Mostly forested on banks of the creek, with emergent wetland extending at northern and southeastern sides. North of Industrial property on Industrial Way is a recently excavated pond; unvegetated. North of Industrial Way Newton Creek is 10' wide. The streambed is silty with gravel and some cobbles. Banks are 4' high with ash forested banks. Surveyor stakes and possible wetland delineation flags in area southeast of field at time of site visit. Wildlife observed on site: common snipe. Area is zoned urban residential and light industrial. Nelson's checker–mallow (Sidalcea nelsoniana) has been sighted at the southern end of this wetland near Newton Creek (ONHP).

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/2/96 | **Wetland Mapping Code:** | NC–6 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 3.14 |
| **Data Sheet Numbers:** | 68, 69, 70, 71, 259, 260, 261, 264 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S1 | **Tax Lot(s):** | A800, DA800, DA900 |
| **Other:** | Drainage along Wooded Knolls Drive | | 700, 702, 703 |
| | and south of West Hills Road | | |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Witham silty clay loam, 2 to 7% slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Ground water, surface water, precipitation | | |
| **Wetland Classification(s):** | PEM, PFO, PSS | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Cornus stolonifera* | | *Festuca arundinacea* |
| | *Crataegus douglasii* | | *Glyceria sp.* |
| | *Fraxinus latifolia* | | *Juncus effusus* |
| | *Salix scouleriana* | | *Rorippa nast.–aquat.* |
| | | | *Typha latifolia* |
| | | | *Veronica americana* |
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**Comments**

Northern end is a 30' diameter excavated pond in a horse pasture, 3 to 4' deep and unvegetated. Surrounding upland is dominated by grazed pasture grasses. Stream flows 3' wide, 3.5" deep in a rocky channel, and is joined by an intermittent drainage channel from the north. The stream is culverted under Wooded Knolls Drive, and widens to 8', bank to bank, with scattered Salix. Drainage flows south to constructed pond at northwestern corner of "Chateaux Philomath," a manufactured home development. North of pond, the channel is ash–forested. It has been excavated and disturbed by dumping of concrete and asphalt chunks. South of pond, the channel is partially scoured and excavated in areas. Wildlife seen in wetland: killdeer, mallard, red–winged blackbird, and mourning dove. North end of wetland is quiet, no noise from the mill site. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 3/13/9, 4/2/96 | **Wetland Mapping Code:** NC–7 |
| **Investigator(s):** JF, FS, DC | **Size (acres):** 1.92 |
| **Data Sheet Numbers:** 73, 74, 75, 76, 77, 78, 79 | |
| **Location** | |
| **Legal:** T12S, R6W, S1 | **Tax Lot(s):** A500, A600, A400, AD100 |
| **Other:** Wooded Knolls and Egan Roads, | |
| at central northern end of UGB | |
| **Hydrologic Basin:** Newton Creek | |
| **Soils** | |
| **Mapped Series:** *Bashaw silty clay loam, Bashaw clay* | |
| **Hydrology** | |
| **Hydrologic Source:** surface water, precipitation, and ground water seep | |
| **Wetland Classification(s):** PEM, PSS | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Rosa pisocarpa* | *Rubus discolor* | *Carex sp.* |
| | *Salix scouleriana* | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus effusus* |
| | | | *Rorippa nast.–aquat.* |
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**Comments**

Wetland is fed by a 6' wide intermittent drainage channel from the western corner of the northernmost extension of the UGB. Flows under Egan Road in a 1' diameter round metal culvert into a forested/scrub–shrub seep area. A narrower drainage to the east joins south of Wooded Knolls Drive, after passing through an 18" round concrete culvert. Channel is 4' deep and 4' wide, with water flowing 5" deep. Vegetation drift lines. Middle section of wetland includes north–south oriented swales which drain into roadside ditches at Wooded Knolls Drive, and through a drain pipe. Water is directed to an old farm pond, 8' x 8' wide and over 3' deep, overgrown with Salix. The wetland ends abruptly north of a new residential property, that may have a drain tile system in place. Zoned urban residential. Wildlife observed on site: black–capped chickadee, killdeer, western meadowlark, scrub jay.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 3/12/96, 3/13/96, 5/23/96 | **Wetland Mapping Code:** | NC–8 |
| **Investigator(s):** | JF, DC, FS | **Size (acres):** | 39.10 |
| **Data Sheet Numbers:** | 80 through 92 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R6W, S1 and R5W, S6 | **Tax Lot(s):** | 200, BC2000, BC2100 |
| **Other:** | North of intersection of West Hills Road | | AD300, AD400, AD500 |
| | and North 19th Street | | AD100, A300, A100, 500 |
| **Hydrologic Basin:** | Newton Creek | | |

**Soils**

**Mapped Series:** *Bashaw clay; Witham silty clay loam, 2 to 7% slopes*

**Hydrology**

**Hydrologic Source:** Surface drainage, ground water, precipitation

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Crataegus douglasii* | | *Carex unilateralis* |
| | *Rosa nutkana* | | *Camassia quamash* |
| | | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus tenuis* |
| | | | *Ludwigia palustris* |
| | | | *Ranunculus aquatilis* |
| | | | *Ranunculus repens* |
| | | | |
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**Comments**

Most of this wetland is a wetland/upland mosaic that recieves runoff from slopes north of the UGB. It appears that soil perches water table with sufficient rain, but not topographically supported for long term saturatation. Marginal vegetation throughout, except in actual drainage channels, which flow south. Topography otherwise is fairly flat. Surface inundation was patchy during March 1996 site visits. Boisduvalia densiflora (FACW–) present in some areas. Heavy clay soils throughout. Water is conveyed southward under West Hills Road in 2 52" diameter round metal culverts. Water flowing 12+" deep, and 10' wide south of road, through an ash forested area. Wildlife observed: Mourning dove, ring–necked pheasant, western meadowlark. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 8/18/95, 3/13/96 | **Wetland Mapping Code:** NC–9 |
| **Investigator(s):** JF, FS, JVS, PF | **Size (acres):** 5.60 |
| **Data Sheet Numbers:** 93, 94, 95, 96, 97, 98 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S6 | **Tax Lot(s):** 200, 100, A800 |
| **Other:** North of West Hills Road, east of Bailey Street | |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Witham silty clay loam, 2 to 7% slopes*

**Hydrology**

**Hydrologic Source:** Intermittent drainage, surface water, ground water

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | *Salix lasiandra* | | *Agrostis tenuis* |
| | | | *Carex densa* |
| | | | *Deschampsia cespitosa* |
| | | | *Eleocharis palustris* |
| | | | *Holcus lanatus* |
| | | | *Juncus tenuis* |
| | | | *Typha latifolia* |
| | | | |
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**Comments**

Disturbed pasture. Rolling terrain with two drainages from the north end of the UGB which flow southward toward West Hills Road. Near the road, the western drainage has a 50' x 50' wide thicket of Fraxinus latifolia, Crataegus douglasii, and Rubus discolor. At the north end, there is a 30' x 50' wide thicket of Salix lasiandra. Otherwise, both the drainages are vegetated with pasture grasses and weeds. Three small excavated ponds are located along the eastern drainage and a thicket of shrubs and trees are located by the road at the southern end. The wetland is located in a low–density/rural residential area. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 8/18/95, 5/1/96 | **Wetland Mapping Code:** NC–10 |
| **Investigator(s):** PF, JVS, DC,CM | **Size (acres):** 1.64 |
| **Data Sheet Numbers:** 99, 100, 101, 102 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S6 | **Tax Lot(s):** 100, A700, A800, A1600 |
| **Other:** West of Rosecrest Drive, north of West Hills Road | |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Witham silty clay loam, 2 to 7% slopes*

**Hydrology**

**Hydrologic Source:** Intermittent drainage, surface water, ground water

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Crataegus douglasii* | | | *Alopecurus pratensis* |
| | | | *Carex densa* |
| | | | *Deschampsia cespitosa* |
| | | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus tenuis* |
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**Comments**

Intermittent drainage flows through a shallow, linear swale located in a horse pasture. The wetland is mostly emergent, but contains a shrub area dominated by Crataegus douglasii in the southern end.

Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 8/18/95, 5/1/96 | **Wetland Mapping Code:** | NC–11 |
| **Investigator(s):** | PF, JVS, CM, DC | **Size (acres):** | 4.02 |
| **Data Sheet Numbers:** | 103 through 110 | | |
| **Location** | | | |
| **Legal:** | T12S, R5W, S6 | **Tax Lot(s):** | A500, A501, A502, A503 |
| **Other:** | North of West Hills Road, west of Bullevard | | A504, A505 |
| | in northeastern UGB region | | |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Dixonville silty clay loam, 3–12% slopes; Witham silty clay loam, 2–7% slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Surface water, ground water seeps, intermittent drainage | | |
| **Wetland Classification(s):** | PEM | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | | | *Alopecurus pratensis* |
| | | | *Carex sp.* |
| | | | *Deschampsia cespitosa* |
| | | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus effusus* |
| | | | *Juncus tenuis* |
| | | | *Phleum pratense* |
| | | | |
| | | | |

**Comments**

Wetland originates from a hillside seep in a cow pasture and forms an intermittent drainage through a wet meadow on a gradual slope. It eventually drains into a ditch between residential properties and a roadside ditch.

Surrounding dominant upland vegetation: Festuca arundinacea, Daucus carota, Holcus lanatus, Hypochaeris radicata, Madia sp. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 8/17/95, 8/18/95, 5/1/96 | **Wetland Mapping Code:** | NC–12 |
| **Investigator(s):** | JVS, PF, DC, CM | **Size (acres):** | 2.26 |
| **Data Sheet Numbers:** | 111 through 118, 263 | | |
| **Location** | | | |
| **Legal:** | T12S, R5W, S6 | **Tax Lot(s):** | A100, A101, A403, A404 |
| **Other:** | Northeastern UGB corner, east of Bullevard and north of West Hills Road | | A402, A1400, A1500 |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Witham silty clay loam, 2 to 7% slopes* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | surface water, ground water | | |
| **Wetland Classification(s):** | PEM, PSS | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | | | *Deschampsia cespitosa* |
| | | | *Dipsacus sylvestris* |
| | | | *Epilobium watsonii* |
| | | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus effusus* |
| | | | *Rumex crispus* |
| | | | |
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**Comments**

Three hillside seep–fed intermittent drainages and wet meadow swales. All three eventually join east of the UGB and into a roadside ditch. The wetland swales are located in horse pastures with a few patches of shrubs along the western–most swale. All three drainages are oriented northwest to southeast through a gentle slope. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 8/18/95, 5/23/96 | **Wetland Mapping Code:** NC–13 |
| **Investigator(s):** JF, DC, PF, JVS | **Size (acres):** 0.76 |
| **Data Sheet Numbers:** 179, 180, 181 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S6 | **Tax Lot(s):** 702, 800 |
| **Other:** South of West Hills Road, north of far northeastern | |
| end of Southern Pacific Railroad | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Bashaw silty clay loam; Witham silty clay loam, 2 to 7% slopes*

**Hydrology**

**Hydrologic Source:** Surface water, ground water, precipitation

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | | | *Deschampsia cespitosa* |
| | | | *Carex densa* |
| | | | *Carex unilateralis* |
| | | | *Festuca arundinacea* |
| | | | |
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**Comments**

Intermittent drainage in a shallow swale on a gentle slope becomes a wet meadow before draining into a ditch near railroad tracks. East of machine shop, north of railroad tracks a narrow wetland drainage connects to a partially cleared scrub/shrub area at its southern end. Currently an undeveloped field, with adjacent light industrial property to the west. Centerline of proposed road was staked at the time of the 5/96 site visit.

One excavated pond is located northwest of the the main wetland area and drains across the field and into the wetland area. Zoned industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 7/19/95 | **Wetland Mapping Code:** NC–14 |
| **Investigator(s):** PF, SD | **Size (acres):** 94.64 |
| **Data Sheet Numbers:** N/A | *12 wetlands combined* |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S6 and S7 | **Tax Lot(s):** 101, 401 |
| **Other:** Willamette Industries Mill Site, between Southern Pacific Railroad and Highway 20 | |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Bashaw clay, Dayton S/C/L, Waldo S/C/L, Price S/C/L*

**Hydrology**

**Hydrologic Source:** surface drainages, stream, pond, precipitation

**Wetland Classification(s):** PEM, PSS, PFO, POW

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Fraxinus latifolia* | *Rubus discolor* | *Agrostis tenuis* |
| *Salix lasiandra* | *Roasa nutkana* | | *Alisma plantago–aquatica* |
| | *Salix hookeriana* | | *Deschampsia cespitosa* |
| | *Salix lasiandra* | | *Eleocharis palustris* |
| | | | *Holcus lanatus* |
| | | | *Juncus effusus* |
| | | | *Phalaris arundinacea* |
| | | | *Sparganium emersum* |
| | | | *Typha latifolia* |
| | | | |

**Comments**

Willamette Industries Mill site, delineated by SRI/SHAPIRO and W.E.T., Inc. in 1995. Four log ponds and additional wetland areas associated with minor tributaries of Newton Creek. Hydrology paritially influenced by beaver dams in the northeastern log pond. Fill has occurred on the site between 1987 and 1993. Dikes and excavated drainage ditches are present throughout the site. See report, Wetland Delineation and Wetland Quality Assessment for the Willamette Industries Mill Site, Philomath, Oregon (November 1995) for discussion of impacts and proposed compensatory mitigation. OFWAM analysis completed on 12 separate areas within the mill site wetlands as part of the same report. OFF–SITE MAPPING of disturbed industrial pond area is located at the eastern end of the mill site; aerial photography shows ponded areas but no vegetation. Disturbed area probably does not meet wetland criteria. Northwestern pond turtle (Clemmys marmorata marmorata) has been sighted in the former mill pond area (ONHP).

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 5/23/96 | **Wetland Mapping Code:** NC–15 |
| **Investigator(s):** JF, DC | **Size (acres):** 7.41 |
| **Data Sheet Numbers:** 185, 186, 187, 188, 190, 191, 192 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S12 & R5W, S7 | **Tax Lot(s):** 102, 100, DA300, DA200, |
| **Other:** Immediately east of 20th Place, | DA500, DA401 |
| north of Highway 20 | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Bashaw clay*

**Hydrology**

**Hydrologic Source:** Stream, ground water, precipitation

**Wetland Classification(s):** PEM, PFO

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Fraxinus latifolia* | | *Alopecurus pratensis* |
| *Quercus garryana* | *Salix scouleriana* | | *Carex densa* |
| | | | *Camassia quamash* |
| | | | *Eleocharis palustris* |
| | | | *Festuca arundinacea* |
| | | | *Juncus effusus* |
| | | | *Ranunculus orthorhynchos* |
| | | | *Perideridia gairdneri* |
| | | | *Mentha puligeum* |
| | | | *Myosotis laxa* |

**Comments**

Mosaic of open field and patches of Rosa shrubs with a few isolated large oaks. A 4' wide ditch flows south along the western end of the wetland, and is culverted under an old gravel road bed. Northern end contains Deschampsia patches with Phalaris aquatica and Juncus patens. Typha grows from an old mill pond now filled with chipped wood material. Newton Creek flows along the eastern edge with an ash overstory with camas herbaceous cover. West bank is 10' high, and effectively drains adjacent area which supports a growth of Rhus diversiloba, Symphoricarpos albus, and Quercus garryana. An excavated ditch toward the south end of the west bank has areas of rocky fill material along banks. Lots of noise from mill site to the northeast, and at south end of wetland, traffic noise from Highway 20. Zoned commercial and industrial. Many songbird species observed. Previously recorded sightings of Sidalcea nelsoniana at the southern end of this wetland (ONHP). Current presence unknown.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 6/8/96 | **Wetland Mapping Code:** NC–16 |
| **Investigator(s):** JF | **Size (acres):** 2.2 |
| **Data Sheet Numbers:** 189, 269 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S7 | **Tax Lot(s):** 1200 |
| **Other:** North of Highway 20, west of Clemens Mill Road, south of Willamette Industries mill site | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Dayton silt loam*

**Hydrology**

**Hydrologic Source:** surface water, ground water, precipitation

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | *Rosa nutkana* | | *Juncus bufonius* |
| | | | *Alisma plantago–aquatica* |
| | | | *Eleocharis palustris* |
| | | | |
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**Comments**

This field has been disturbed as evidenced by deep rutted vehicle tracks, and mounds of excavated material in the north end. A former drainage channel in the northeast corner appears to have been mostly filled. The wetland areas at the time of observation were covered with a dense mat of the herbaceous species mentioned above. A shallow ditch is present on the western end of the field, along the fenceline, and at the time of the site visit was inundated with water 1" deep. Rosa shrubs are present along this ditch. The surrounding upland field to the south is dominated by Alopecurus pratensis, Holcus lanatus, Trifolium dubium, and Chrysanthemum leucanthemum. Newly excavated 40' wide roadbed at southern end of field does not appear to be impacting wetland. At northeastern property boundary, there is an abrupt topographic drop off at fenceline. Zoned industrial. Wildlife observed on site: mourning dove, orange–crowned warbler.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 5/23/96 | **Wetland Mapping Code:** NC–17 |
| **Investigator(s):** DC, JF | **Size (acres):** 1.78 |
| **Data Sheet Numbers:** 199 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S7 | **Tax Lot(s):** A1600 |
| **Other:** North of Highway 20, east of Clemens Mill Road. | |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Dixonville silty clay loam, 3 to 12% slopes*

**Hydrology**

**Hydrologic Source:** surface water, ground water, stream, precipitation

**Wetland Classification(s):** PEM, PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | *(shrubs not sampled)* | | *Mentha puligeum* |
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**Comments**

Wet ditches in a horse pasture contain highly disturbed soils that were saturated at the time of the site visit, with patches of inundation. Narrow ditches contained patches of hydrophytic vegetation. Non–dominant vegetation includes Myosotis laxa, Agrostis stolonifera, and Rorippa curvisiliqua. However, the ground is mostly bare. OFFSITE mapping of PSS/PFO wetland stream channel NE of horse pasture. Current surrounding land use is low density residential and agricultural. PSS/PFO community near the highway buffered by upland shrubs. The northern portion appears to be PEM with scattered mature ash trees. Zoned industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 5/23/96 | **Wetland Mapping Code:** NC–18 |
| **Investigator(s):** JF, DC | **Size (acres):** 1.31 |
| **Data Sheet Numbers:** 200, 201, 202, 203 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S7 | **Tax Lot(s):** BC11800, BC11900 |
| **Other:** South of Highway 20, east of 26th Street | |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Dayton silt loam, Waldo silty clay loam*

**Hydrology**

**Hydrologic Source:** Stream, ground water, precipitation

**Wetland Classification(s):** PEM, PSS, PFO

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Crataegus douglasii* | | *Alisma plantago–aquatica* |
| | *Fraxinus latifolia* | | *Juncus effusus* |
| | | | *Juncus tenuis* |
| | | | *Mentha puligeum* |
| | | | *Scirpus microcarpus* |
| | | | *Typha latifolia* |
| | | | *Solanum dulcamara* |
| | | | *Phalaris aquatica* |
| | | | |
| | | | |

**Comments**

Main tributary of Newton Creek flows south from Highway 20 in a zoned public (park) area through residential area. One patch of scrub–shrub, invading a wet meadow in the northeastern area. The stream is culverted under James Street. A bike path is located along the creek. The buffer is narrow where it exists, but in many places grass is mowed to the creek banks. Stream is probably excavated but is meandering in character.

The overstory is mostly Oregon ash. This mapping unit ends at Applegate Street, where the stream passes through another culvert. Zoned public and low density residential. Wildlife observed: American goldfinch, evening grosbeaks.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | N/A | **Wetland Mapping Code:** | NC–19 |
| **Investigator(s):** | JF, DC | **Size (acres):** | 9.55 |
| **Data Sheet Numbers:** | 203, mostly OFFSITE mapping | | |
| **Location** | | | |
| **Legal:** | T12S, R5W, S7 & S18 | **Tax Lot(s):** | BC3800, BC3700, BC12400, |
| **Other:** | South of Applegate Road, north of Chapel Drive | | BC12300, 500, 502 |
| | | | |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Waldo silty clay loam, Dayton silt loam* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Stream, ground water, precipitation | | |
| **Wetland Classification(s):** | PEM, PSS | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Salix sp.* | *Salix sp.* | | *Juncus effusus* |
| *Fraxinus latifolia* | | | *Phalaris arundinacea* |
| *Crataegus douglasii* | | | *Juncus tenuis* |
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**Comments**

This is an OFFSITE mapping, due to denied property access. The southern and northern edges were observed from a distance. The east fork of Newton Creek flows through the wetland and dominates the hydrology. It appears that some ground water seepage may occur in the lower slopes along the wide swale that the stream flows in.

A Douglas fir plantation surrounds the wetland for its entire length. East fork of Newton Creek is a perennial stream. The wetland is mostly undisturbed and is primarily PSS with some wider areas that include PEM.

Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 5/1/96 | **Wetland Mapping Code:** | NC–20 |
| **Investigator(s):** | CM, DC | **Size (acres):** | 2.12 |
| **Data Sheet Numbers:** | 193, 194 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R5W, S7 | **Tax Lot(s):** | CB7200, CB7100, CB7300, |
| **Other:** | Newton Creek south of Highway 20, | | CB6900, CB7301, CB7500, |
| | south of Applegate, east of school property | | CB7600, CB8302, CB8303, |
| **Hydrologic Basin:** | Newton Creek | | CB8300, 400 |

**Soils**

**Mapped Series:** *Bashaw Clay*

**Hydrology**

**Hydrologic Source:** Stream

**Wetland Classification(s):** PSS, with some PEM in city park

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | *Salix scouleriana* | | *Typha latifolia* |
| | *Salix lasiandra* | | *Eleocharis palustris* |
| | | | *Scirpus acutus* |
| | | | *Phalaris arundinacea* |
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**Comments**

Newton Creek flows in an incised channel with a narrow fringe of emergent vegetation. Behind residential properties, trees shade the banks of the creek. In the city park the stream flows through PSS wetland with some areas of PEM. The wetland is confined to the channel. The surrounding park area consists of mowed lawns.

Newton Creek is a perennial stream and dominates the hydrology of these wetlands.

Zoned residential and public.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 5/1/96 | **Wetland Mapping Code:** | NC–21 |
| **Investigator(s):** | CM, DC | **Size (acres):** | 26.07 |
| **Data Sheet Numbers:** | 195, 196, 197, 198, 257, 258 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R5W, S7 & S8 | **Tax Lot(s):** | 400, 500, 502, 504, 2200 |
| **Other:** | Newton Creek north of Chapel Drive | | 2300, 2301 |
| | | | |
| **Hydrologic Basin:** | Newton Creek | | |

**Soils**

**Mapped Series:** *Amity silt loam; Bashaw clay; Dixonville silty clay loam, 3 to 12% slopes*

**Hydrology**

**Hydrologic Source:** Stream, ground water seeps, surface water, precipitation

**Wetland Classification(s):** PFO, PSS, PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Rosa sp.* | | *Phalaris arundinacea* |
| *Quercus garryana* | *Fraxinus latifolia* | | *Juncus effusus* |
| *Salix lasiandra* | *Symphoricarpos albus* | | *Juncus tenuis* |
| *Crataegus douglasii* | | | *Camassia quamash* |
| | | | *Typha latifolia* |
| | | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | |
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**Comments**

Mostly OFFSITE mapping due to denied access on two large properties adjacent to Chapel Drive. Newton Creek flows in an incised channel through the site with wide seep areas on the western side. The northwestern corner receives water from a PEM ditch in the park which widens as it enters the OFFSITE mapped area. Two seeps on a gentle slope along the western side also contribute to hydrology. Drain tiles and stormwater conveyed through culverts into the western edge from the high school property. Tree plantations are located northeast and southwest of the wetland with a city park to the north, and sports fields to the west. An upland forest is located along the northwestern edge with a circular seep area located at the western edge. The northwestern, and central to south central portions are forested with oak and ash. Ponded swales and saturated soils form a mosaic. The south-western and southeastern corners contain flat, wet PEM meadows. Zoned office/residential, residential, and public.

**Wetland Classification Codes:**

PFO = palustrine forested
PSS = palustrine scrub–shrub
PEM = palustrine emergent
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 5/16/96, 5/23/96 | **Wetland Mapping Code:** NC–22 |
| **Investigator(s):** JF, DC | **Size (acres):** 2.14 |
| **Data Sheet Numbers:** 204, 205, 206, 207, 208, 209, 210 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R5W, S18 | **Tax Lot(s):** 600, 700 |
| **Other:** Southeastern UGB corner, north of Chapel Drive and west of Bellfountain Road | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Dayton silt loam; Concord silt loam; Woodburn silt loam, 0 to 3% slopes*

**Hydrology**

**Hydrologic Source:** surface drainage, ground water, precipitation

**Wetland Classification(s):** PEM, PSS/PFO

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Crataegus douglasii* | *Crataegus douglasii* | | *Poa trivialis* |
| *Salix lasiandra* | | | *Typha latifolia* |
| *Salix scouleriana* | | | |
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**Comments**

Three separate wetland areas. Westernmost area is a north–south oriented ditch at the western edge of a hayfield. The central wetland area is a shallow ditch through a wet pasture. The vegetation and soil are heavily disturbed by grazing. Water drains west and then south from a wet Crataegus scrub–shrub area in the northeastern corner of the pasture. The easternmost wetland area is an overgrown scrub–shrub pond in the middle of a ryegrass field. Water drains south and probably enters a tile system. Zoned urban residential.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/2/96 | **Wetland Mapping Code:** | NC–23 |
| **Investigator(s):** | JF, FS, DC | **Size (acres):** | 3.21 |
| **Data Sheet Numbers:** | 48, 49, 50, 51, 52 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S1 | **Tax Lot(s):** | 436, 437, A1300 |
| **Other:** | West of intersection of McBee Road and West Hills Road, north of West Hills Road | | |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Bashaw clay* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Surface water, ground water, precipitation | | |
| **Wetland Classification(s):** | PFO, PEM | | |

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Salix scouleriana* | | *Agrostis tenuis* |
| | *Salix sp.* | | *Boisduvalia densiflora* |
| | | | *Camassia quamash* |
| | | | *Festuca arundinacea* |
| | | | *Lotus purshiana* |
| | | | *Typha latifolia* |
| | | | *Juncus effusus* |
| | | | *Juncus ensifolius* |
| | | | *Juncus tenuis* |
| | | | *Veronica americana* |

**Comments**

Northernmost end of Newton Creek within the UGB. An excavated drainage ditch with banks 3' high at eastern end and 9' high (with berm) at the western end, drains water westward toward Newton Creek. Wetland vegetation in ditch is very patchy. The ditch contained 2+" of water at the time of the site visit. An intermittent drainage joins the ditch from the north. A large hole had been excavated along this drainage (mostly outside study area). Newton Creek is forested with Fraxinus latifolia in this area. West of Newton Creek is a llama pasture with an Oregon ash and camas wetland, inundated 1" deep at the time of the site visit. Zoned urban residential. Wildlife observed: California quail, ring–necked pheasant, golden–crowned sparrow, deer (tracks). Rough–skinned newts in amplexus in the east–west ditch.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/23/96, 4/30/96 | **Wetland Mapping Code:** | NC–24 |
| **Investigator(s):** | JF, CM, DC | **Size (acres):** | 4.40 |
| **Data Sheet Numbers:** | 58, 259, 262 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R6W, S1 & S12 | **Tax Lot(s):** | 102, 200, 703, A2400, |
| **Other:** | West of North 19th Street, and drainage crossing Industrial Way | | A100, A2202, A200, A300, A300, A400 |
| **Hydrologic Basin:** | Newton Creek | | |

**Soils**

**Mapped Series:** *Witham silty clay loam*

**Hydrology**

**Hydrologic Source:** Surface drainage

**Wetland Classification(s):** PSS, PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Populus trichocarpa* | | *Phalaris arundinacea* |
| *Crataegus latifolia* | *Salix scouleriana* | | *Juncus effusus* |
| *Populus trichocarpa* | | | |
| *Salix sp.* | | | |
| | | | |
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**Comments**

Mostly OFFSITE mapping due to denied property access on two large mill properties. The northeastern drainage is excavated 30' wide by 10 to 12' deep, with steep banks. The wetland is PSS with some PEM at the bottom of the channel. The northeastern drainage joins Newton Creek through culverts south under Industrial Way. South of the culverts, Newton Creek is in an incised but more natural channel with wetlands confined to the channel. In places the creek channel is 6 to 10 feet deep. The stream banks are dominated by ash and other tree species that shade the stream. Zoned industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 4/30/96 | **Wetland Mapping Code:** | NC–25 |
| **Investigator(s):** | DC, CM | **Size (acres):** | 11.84 |
| **Data Sheet Numbers:** | 182 | | |

**Location**

| | | | |
|---|---|---|---|
| **Legal:** | T12S, R6W, S12 | **Tax Lot(s):** | 2400, 2500, AC800, AC900 |
| **Other:** | South of railroad tracks, west of North 19th Street | | AC1000, AC1400 |
| | | | |
| **Hydrologic Basin:** | Newton Creek | | |

**Soils**

**Mapped Series:** *Dayton silt loam*

**Hydrology**

**Hydrologic Source:** Surface water, ground water, intermittent drainage, precipitation

**Wetland Classification(s):** PEM, with small patch of PSS

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Fraxinus latifolia* | | *Carex praticola* |
| *Crataegus douglasii* | *Crataegus douglasii* | | *Luzula campestris* |
| | | | *Deschampsia cespitosa* |
| | | | |
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**Comments**

The mostly grassy, level field is emergent wetland with patches of young trees and shrubs in the center of the field. The western end has a branched intermittent drainage flowing through a cow pasture. The northeastern corner is a horse pasture, but most of the wetland is undisturbed grassland. Residential development is located on the south and west, railroad tracks a mill site on the north, and North 19th Street along the east. Surface water ponds in spots in the field. The intermittent drainge flows across the southern edge, before it turns and flows south and into a roadside ditch. Zoned industrial.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | |
|---|---|
| **Date(s) of Field Verification:** 3/27/96 | **Wetland Mapping Code:** NC–26 |
| **Investigator(s):** JF, FS | **Size (acres):** 3.1 |
| **Data Sheet Numbers:** 183, 184 | |

**Location**

| | |
|---|---|
| **Legal:** T12S, R6W, S12 | **Tax Lot(s):** 301, AC100, AC3900, |
| **Other:** College Street and 20th Place | AC4000 |
| | |
| **Hydrologic Basin:** Newton Creek | |

**Soils**

**Mapped Series:** *Dayton silty loam*

**Hydrology**

**Hydrologic Source:** Surface water, ground water, precipitation

**Wetland Classification(s):** PEM

**Dominant Vegetation**

| Trees | Shrubs | Vines | Herbs |
|---|---|---|---|
| | | | *Alopecurus pratensis* |
| | | | *Phalaris arundinacea* |
| | | | *Deschampsia cespitosa* |
| | | | *Holcus lanatus* |
| | | | *Phalaris aquatica* |
| | | | |
| | | | |
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**Comments**

East–west ditch, 5 to 6' wide, cuts through the center of an open field. The banks of the ditch are vegetated with scattered scrub–shrub. A 32" round concrete culvert conveys water onto the property from across 19th Street. North of the house in the southwestern corner of the block, the ground is very hummocky. Evidence of extended ponding in relict orchard south of the ditch on the west side. Two 20" diameter round concrete culverts drain water eastward under 20th Street. Zoned as planned commercial. Currently residential and open field, somewhat disturbed by vehicle tracks. Evidence of regular mowing. Lots of noise from the mill site to the east. Large fill area on property immediately to the north.

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# PHILOMATH LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| **Date(s) of Field Verification:** | 6/29/95, 6/30/95<br>7/6/95, 7/7/95, 4/31/96 | **Wetland Mapping Code:** | NC–27 |
| **Investigator(s):** | JF, DC, PF, JVS, FS, CM | **Size (acres):** | 128.09 |
| **Data Sheet Numbers:** | 119 through 178, and 265 | | |
| **Location** | | | |
| **Legal:** | T12S, R6W, S1 and S12 | **Tax Lot(s):** | 100, 400, 500, 700 |
| **Other:** | T12S, R5W, S6 and S7 | | |
| | Between West Hills Rd and Southern Pacific Railroad; East of N. 19th Street | | |
| **Hydrologic Basin:** | Newton Creek | | |
| **Soils** | | | |
| **Mapped Series:** | *Bashaw clay; Bashaw S/C/L; Dixonville S/C/L, 3 to 12% slopes; Witham S/C/L* | | |
| **Hydrology** | | | |
| **Hydrologic Source:** | Ground water, surface water, intermittent drainages, precipitation | | |
| **Wetland Classification(s):** | PEM, PSS, PFO | | |

**Dominant Vegetation**

| Trees | Shrubs | Herbs | Herbs |
|---|---|---|---|
| *Fraxinus latifolia* | *Rosa sp.* | *Juncus tenuis* | *Carex densa* |
| *Crataegus douglasii* | *Crataegus douglasii* | *Polygonum sp.* | *Carex obnupta* |
| *Salix scouleriana* | *Rhamnus purshiana* | *Oenanthe sarmentosa* | *Deschampsia cespitosa* |
| | *Fraxinus latifolia* | *Stachys cooleyae* | *Dipsacus sylvestris* |
| | *Cornus stolonifera* | *Alopecurus pratensis* | *Eleocharis palustris* |
| | *Salix scouleriana* | | *Epilobium watsonii* |
| | | | *Festuca arundinacea* |
| | | | *Holcus lanatus* |
| | | | *Juncus bufonius* |
| | | | *Juncus effusus* |

**Comments**

This wet hay field recieves hydrology from several hillside seeps. The west field is actively hayed and is vegetated with mixed grasses. The east field has been fallow for 5 or 6 years and is dominated by Deschampsia. A small patch of PSS is located in the northern end of the wetland. Water drains into the center of the field and into a ditch along the railroad tracks through two culverts and into the GP mill site in a ditch which ends in a culvert under the mill site. The wetland includes a bowl–shaped wet meadow with industrial development to the east, a mill site to the south, and a Douglas fir tree plantation in the central upland portions. Zoned industrial.

Kincaid's lupine (Lupinus sulphureus spp. kincaidii) sighted on knoll in adjacent NW corner. Fender's blue butterfly (Icaricia icarioides fenderii) also sighted in the same area. Nelson's checker–mallow (Sidalcea nelsoniana) sighted in swale at western end of wetland area (ONHP).

**Wetland Classification Codes:**

PFO = palustrine forested
PEM = palustrine emergent
PSS = palustrine scrub–shrub
POW = palustrine open water

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 6/9/95 | **Investigator(s):** | JF, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | North of Highway 20, at western end of UGB | | |
| **Wetland Code:** | MR-1 | | |
| **Wetland Type(s):** | PEM, PFO | | |
| **Approximate Area (acres):** | 0.88 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | B | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | C | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | B |
| Q-6 | B | Q-6 | C | Q-6 | C | Q-6 | A | Q-6 | C | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | C |
| Q-2 | B | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | B | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | B | Q-5 | B | Q-5 | B |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 4/22/96 | **Investigator(s):** | JF, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | South of intersection of Pioneer Street and Adelaide Street | | |
| **Wetland Code:** | MR-2 | | |
| **Wetland Type(s):** | PFO | | |
| **Approximate Area (acres):** | 0.76 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | C |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | A | Q-4 | B |
| Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | B |
| Q-6 | B | Q-6 | C | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | C |
| Q-2 | B | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B |
| Q-6 | B | Q-6 | B | Q-6 | B |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has moderate potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 3/27/96, 3/28/96 | **Investigator(s):** | JF, FS |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | East of intersection of West Hills Road and Memory Lane | | |
| **Wetland Code:** | MR-3 | | |
| **Wetland Type(s):** | PEM, PFO | | |
| **Approximate Area (acres):** | 7.37 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | C | Q-1 | B | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | B |
| Q-3 | C | Q-3 | B | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | A | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | B | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse wildlife habitat |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 4/22/96 | **Investigator(s):** | JF, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | North of Marilyn Drive, both sides of West Hills Road | | |
| **Wetland Code:** | MR-4 | | |
| **Wetland Type(s):** | PEM, POW, PFO | | |
| **Approximate Area (acres):** | 2.63 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | B | Q-3 | A | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | C | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 4/22/96 | **Investigator(s):** | JF, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | East of 12th Street, North of Pioneer Street | | |
| **Wetland Code:** | MR-5 | | |
| **Wetland Type(s):** | PEM, PSS | | |
| **Approximate Area (acres):** | 3.84 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | | Q-1 | B | Q-1 | B | Q-1 | A | Q-1 | B |
| Q-2 | A | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | C |
| Q-3 | B | Q-3 | | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | | Q-4 | B | Q-4 | B | Q-4 | A | Q-4 | B |
| Q-5 | B | Q-5 | | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | B |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has little enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 3/27/96, 4/23/96 | **Investigator(s):** | JF, FS, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | North of Pioneer Street, east of 9th Street and west of 12th Street | | |
| **Wetland Code:** | MR-6 | | |
| **Wetland Type(s):** | PEM, PSS | | |
| **Approximate Area (acres):** | 3.82 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | A | Q-4 | B |
| Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 5/15/96 | **Investigator(s):** | JF, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | South of Main St., west of 7th St., including area adjacent to Mary's River | | |
| **Wetland Code:** | MR-7 | | |
| **Wetland Type(s):** | PFO | | |
| **Approximate Area (acres):** | 5.21 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | B | Q-3 | B | Q-3 | B | Q-3 | A | Q-3 | A |
| Q-4 | | Q-4 | C | Q-4 | B | Q-4 | C | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | A | Q-6 | A | Q-6 | B | Q-6 | A | Q-6 | B |
| Q-7 | C | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | B | Q-2 | B | Q-2 | C |
| Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | A | Q-4 | A |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 7/19, 20/95, 5/15, 16/96 | **Investigator(s):** | FS, DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Mary's River Park, south of Applegate Street | | |
| **Wetland Code:** | MR-8 | | |
| **Wetland Type(s):** | PFO, PSS, PEM | | |
| **Approximate Area (acres):** | 10.05 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | B | Q-3 | B | Q-3 | B | Q-3 | A | Q-3 | A | Q-3 | A |
| Q-4 | C | Q-4 | C | Q-4 | A | Q-4 | C | Q-4 | C | Q-4 | A |
| Q-5 | A | Q-5 | A | Q-5 | C | Q-5 | C | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | A | Q-6 | A | Q-6 | B | Q-6 | B | Q-6 | B |
| Q-7 | C | | | | | Q-7 | A | | | | |
| Q-8 | A | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | B |
| Q-2 | B | Q-2 | A | Q-2 | B |
| Q-3 | B | Q-3 | A | Q-3 | A |
| Q-4 | A | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is intact |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland provides recreational opportunities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 7/20/95, 5/15/96 | **Investigator(s):** | FS, DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | South of Applegate Street, east of Mary's River Park | | |
| **Wetland Code:** | MR-9 | | |
| **Wetland Type(s):** | PEM, PFO | | |
| **Approximate Area (acres):** | 2.10 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | |
| Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | |
| Q-3 | C | Q-3 | B | Q-3 | A | Q-3 | B | Q-3 | A | Q-3 | |
| Q-4 | | Q-4 | A | Q-4 | B | Q-4 | C | Q-4 | B | Q-4 | |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | |
| Q-6 | A | Q-6 | A | Q-6 | A | Q-6 | B | Q-6 | A | Q-6 | |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | A | Q-1 | A |
| Q-2 | B | Q-2 | A | Q-2 | B |
| Q-3 | A | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | A | Q-4 | B |
| Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse wildlife habitat |
| **Fish Habitat** | Wetland's fish habitat function is intact |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | N/A |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland provides recreational opportunities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 5/16/96 | **Investigator(s):** | MR-10 |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Field immediately east of rodeo grounds, west of S. 13th Street | | |
| **Wetland Code:** | MR-10 | | |
| **Wetland Type(s):** | PEM | | |
| **Approximate Area (acres):** | 0.73 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | B |
| Q-2 | C | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | C |
| Q-3 | C | Q-3 | | Q-3 | C | Q-3 | B | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | | Q-4 | B | Q-4 | A | Q-4 | A | Q-4 | B |
| Q-5 | B | Q-5 | | Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | C |
| Q-6 | B | Q-6 | | Q-6 | C | Q-6 | B | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | C |
| Q-2 | A | Q-2 | B | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | B |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has little enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 7/20/95, 5/16/96 | **Investigator(s):** | JF, DC, FS |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Adjacent to S. 13th Street, north of intersection of 13th and Chapel | | |
| **Wetland Code:** | MR-11 | | |
| **Wetland Type(s):** | PEM | | |
| **Approximate Area (acres):** | 1.5 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | B | Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | C |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | B | Q-6 | C | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | C |
| Q-2 | B | Q-2 | B | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | B | Q-4 | B |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has moderate potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 7/20/95, 5/15/96, 5/16/96 | **Investigator(s):** | JF, FS, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | East of S. 13th Street, south of Applegate Street | | |
| **Wetland Code:** | MR-12 | | |
| **Wetland Type(s):** | PSS, PFO, PEM | | |
| **Approximate Area (acres):** | 7.20 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | | Q-1 | C | Q-1 | A | Q-1 | B | Q-1 | B |
| Q-2 | A | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | B |
| Q-3 | C | Q-3 | | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | | Q-4 | A | Q-4 | B | Q-4 | A | Q-4 | A |
| Q-5 | B | Q-5 | | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | A |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is not sensitive to future impacts |
| **Enhancement Potential** | Wetland has moderate potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 5/16/96 | **Investigator(s):** | DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | East of South 15th Street, south of Cedar Street, along Willow Lane | | |
| **Wetland Code:** | MR-13 | | |
| **Wetland Type(s):** | PEM, PFO | | |
| **Approximate Area (acres):** | 3.5 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | | Q-1 | C | Q-1 | B | Q-1 | A | Q-1 | B |
| Q-2 | A | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | B |
| Q-3 | C | Q-3 | | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | |
| Q-4 | C | Q-4 | | Q-4 | B | Q-4 | B | Q-4 | A | Q-4 | B |
| Q-5 | B | Q-5 | | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | B |
| Q-6 | B | Q-6 | | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has moderate potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 3/28/96, 4/3/96 | Investigator(s): | CM, DC, FS, JF |
|---|---|---|---|
| Project Name: | Philomath Local Wetlands Inventory | | |
| | | | |
| Wetland Location: | East of northern end of West Hills Road, south past Industrial Way | | |
| Wetland Code: | NC-1 | | |
| Wetland Type(s): | PEM, PSS, PFO, POW | | |
| Approximate Area (acres): | 5.0 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water-quality function is intact |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 3/28, 4/30/96 | Investigator(s): | DC,CM |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | West of Industrial Way, east of Adams Street | | |
| Wetland Code: | NC–2 | | |
| Wetland Type(s): | PEM, PSS | | |
| Approximate Area (acres): | 1.38 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | C | Q–1 | B | Q–1 | B | Q–1 | B | Q–1 | A |
| Q–2 | C | Q–2 | A | Q–2 | A | Q–2 | A | Q–2 | B | Q–2 | C |
| Q–3 | C | Q–3 | C | Q–3 | A | Q–3 | B | Q–3 | C | Q–3 | |
| Q–4 | C | Q–4 | A | Q–4 | B | Q–4 | C | Q–4 | B | Q–4 | B |
| Q–5 | B | Q–5 | B | Q–5 | B | Q–5 | C | Q–5 | A | Q–5 | B |
| Q–6 | B | Q–6 | C | Q–6 | C | Q–6 | A | Q–6 | B | Q–6 | B |
| Q–7 | A | | | | | Q–7 | B | | | | |
| Q–8 | B | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | C | Q–1 | C |
| Q–2 | B | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | B | Q–3 | B |
| Q–4 | B | Q–4 | B | Q–4 | B |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | Q–6 | C |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water–quality function is intact |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 4/30/96 | Investigator(s): | CM, DC |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | Log pond south of Industrial Way and north of railroad tracks | | |
| Wetland Code: | NC-3 | | |
| Wetland Type(s): | PSS, PEM | | |
| Approximate Area (acres): | 5.43 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A | Q-1 | A |
| Q-2 | B | Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | C |
| Q-3 | C | Q-3 | B | Q-3 | C | Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | A | Q-4 | A | Q-4 | A | Q-4 | A | Q-4 | C | Q-4 | A |
| Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | B | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | C | Q-6 | C | Q-6 | A | Q-6 | C | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | A |
| Q-3 | B | Q-3 | B | Q-3 | B |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | C |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water-quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 3/28/96, 4/3/96 | **Investigator(s):** | JF, DC, FS |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | South of West Hills Road, northwestern UGB corner | | |
| **Wetland Code:** | NC-4 | | |
| **Wetland Type(s):** | PEM, PSS, PFO, POW | | |
| **Approximate Area (acres):** | 26.11 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A |
| Q-2 | C | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 4/2/96, 4/3/96, 4/23/96 | **Investigator(s):** | DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Newton Creek, south of intersection of McBee Road and West Hills Road | | |
| **Wetland Code:** | NC-5 | | |
| **Wetland Type(s):** | PFO, PEM, POW, PSS | | |
| **Approximate Area (acres):** | 14.7 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | C | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 4/2/96 | **Investigator(s):** | JF, DC |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Drainage along Wooded Knolls Drive and south of West Hills Road | | |
| **Wetland Code:** | NC-6 | | |
| **Wetland Type(s):** | PEM, PFO, PSS, POW | | |
| **Approximate Area (acres):** | 3.14 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | C | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | B | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | C | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | C | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | C | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | B | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 3/13/96, 4/2/96 | **Investigator(s):** | FS, DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Wooded Knolls Drive and Egan Road, at far northern end of UGB | | |
| **Wetland Code:** | NC-7 | | |
| **Wetland Type(s):** | PEM, PSS | | |
| **Approximate Area (acres):** | 1.92 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | C | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | C | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | C | Q-6 | C | Q-6 | B | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 3/12/96, 3/13/96, 5/23/96 | **Investigator(s):** | FS, DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | North of intersection of West Hills Road and N 19th Street | | |
| **Wetland Code:** | NC-8 | | |
| **Wetland Type(s):** | PEM, PSS, POW | | |
| **Approximate Area (acres):** | 39.10 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | B | Q-3 | C | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | C | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | B | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 8/18/95; 3/13/96 | Investigator(s): | FS,JF,JVS,PF |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | North of West Hills road, east of Bailey Street | | |
| Wetland Code: | NC-9 | | |
| Wetland Type(s): | PEM, PSS | | |
| Approximate Area (acres): | 5.6 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | C | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | A | Q-6 | C | Q-6 | B | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | C |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | C | Q-4 | B |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water-quality function is intact |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 8/18/95, 5/1/96 | Investigator(s): | PF,JVS,DC,CM |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | West of Rosecrest Drive, north of West Hills Road | | |
| Wetland Code: | NC–10 | | |
| Wetland Type(s): | PEM, PSS | | |
| Approximate Area (acres): | 1.64 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | B | Q–1 | A |
| Q–2 | C | Q–2 | A | Q–2 | B | Q–2 | B | Q–2 | B | Q–2 | A |
| Q–3 | C | Q–3 | C | Q–3 | B | Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | C | Q–4 | A | Q–4 | B | Q–4 | B | Q–4 | B | Q–4 | B |
| Q–5 | A | Q–5 | B | Q–5 | B | Q–5 | C | Q–5 | B | Q–5 | C |
| Q–6 | A | Q–6 | C | Q–6 | C | Q–6 | B | Q–6 | B | Q–6 | B |
| Q–7 | A | | | | | Q–7 | B | | | | |
| Q–8 | B | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | A | Q–1 | C |
| Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | C | Q–3 | B |
| Q–4 | C | Q–4 | B | Q–4 | A |
| Q–5 | A | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | Q–6 | A |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water–quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 8/18/95, 5/1/96 | Investigator(s): | PF,JVS,CM,DC |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | North of West Hills Road, west of Bullevard in NE UGB region | | |
| Wetland Code: | NC-11 | | |
| Wetland Type(s): | PEM | | |
| Approximate Area (acres): | 4.02 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | C | Q-1 | | Q-1 | C | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | | Q-2 | C | Q-2 | C | Q-2 | B | Q-2 | B |
| Q-3 | C | Q-3 | | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | C |
| Q-6 | B | Q-6 | | Q-6 | C | Q-6 | B | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | A | Q-1 | C |
| Q-2 | A | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | N/A |
| Water Quality | Wetland's water-quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 8/17, 8/18/95; 5/1/96 | Investigator(s): | JVS,PF,DC,CM |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | NE UGB corner, east of Bullevard and north of West Hills Road | | |
| Wetland Code: | N-12 | | |
| Wetland Type(s): | PEM | | |
| Approximate Area (acres): | 2.26 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | C | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | B |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | D | Q-5 | C |
| Q-6 | A | Q-6 | C | Q-6 | C | Q-6 | A | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | A | Q-1 | C |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water-quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 8/18/95; 5/23/96 | Investigator(s): | JF,DC,PF,JVS |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | South of West hills Road, NE UGB area, north of Southern Pacific Railroad | | |
| Wetland Code: | NC-13 | | |
| Wetland Type(s): | PEM, PSS | | |
| Approximate Area (acres): | 0.76 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | | Q-1 | C | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | C | Q-2 | | Q-2 | B | Q-2 | B | Q-2 | N | Q-2 | B |
| Q-3 | C | Q-3 | | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | |
| Q-4 | C | Q-4 | | Q-4 | B | Q-4 | B | Q-4 | A | Q-4 | B |
| Q-5 | A | Q-5 | | Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | | Q-6 | C | Q-6 | A | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | A |
| Q-3 | B | Q-3 | C | Q-3 | C |
| Q-4 | C | Q-4 | B | Q-4 | C |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | N/A |
| Water Quality | Wetland's water-quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control is impacted or degraded |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| Date: | 4/18/95 | Investigator(s): | Scott Craig, WET, Inc. |
|---|---|---|---|
| Project Name: | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| Wetland Location: | PHILOMATH MILL SITE (NE Log Pond) | | |
| Wetland Code: | NC–14a | | |
| Wetland Type(s): | PSS/PEM | | |
| Approximate Area (acres): | 26.6 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | C |
| Q–2 | A | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | B |
| Q–4 | B | Q–4 | | Q–4 | A | Q–4 | A | Q–4 | A | Q–4 | C |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | B | Q–5 | A | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | C | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | A | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides diverse habitat for wildlife |
| Fish Habitat | N/A |
| Water Quality | Wetland has the potential to provide water–quality beneifts |
| Hydrologic Control | Wetland has the potential to provide hydrologic control |
| Sensitivity to Impact | Wetland is potentially sensitive to secondary effects |
| Enhancement Potential | Wetland has little enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportunities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| Date: | 4/18/95 | Investigator(s): | Scott Craig, WET, Inc. |
|---|---|---|---|
| Project Name: | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| Wetland Location: | PHILOMATH MILL SITE (NW Log Pond, Sample Pts.8, 9) | | |
| Wetland Code: | NC–14b | | |
| Wetland Type(s): | PSS/PEM | | |
| Approximate Area (acres): | 26.8 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | C |
| Q–2 | A | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | B |
| Q–4 | B | Q–4 | | Q–4 | A | Q–4 | A | Q–4 | A | Q–4 | C |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | C | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | A | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides diverse habitat for wildlife |
| Fish Habitat | N/A |
| Water Quality | Wetland has the potential to provide water–quality beneifts |
| Hydrologic Control | Wetland has the potential to provide hydrologic control |
| Sensitivity to Impact | Wetland is potentially sensitive to secondary effects |
| Enhancement Potential | Wetland has little enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportunities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| | | | |
|---|---|---|---|
| **Date:** | 5/4/95 | **Investigator(s):** | Scott Craig, WET, Inc. |
| **Project Name:** | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| **Wetland Location:** | PHILOMATH MILL SITE (NW Corner, Sample Pts. 10, 11) | | |
| **Wetland Code:** | NC–14c | | |
| **Wetland Type(s):** | PFO/PSS/PEM | | |
| **Approximate Area (acres):** | 3.3 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | A | Q–1 | A | Q–1 | B | Q–1 | C | Q–1 | C |
| Q–2 | A | Q–2 | B | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | C | Q–3 | A | Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | B | Q–4 | A | Q–4 | A | Q–4 | C |
| Q–5 | A | Q–5 | A | Q–5 | C | Q–5 | B | Q–5 | A | Q–5 | A |
| Q–6 | B | Q–6 | B | Q–6 | C | Q–6 | A | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | A | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse habitat for wildlife |
| **Fish Habitat** | Wetland contributes to fish habitat |
| **Water Quality** | Wetland provides water–quality benefits |
| **Hydrologic Control** | Wetland has the potential to provide hydrologic control |
| **Sensitivity to Impact** | Wetland is potentially sensitive to secondary effects |
| **Enhancement Potential** | Wetland has little enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportunities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| | | | |
|---|---|---|---|
| **Date:** | 5/4/95 | **Investigator(s):** | Scott Craig, WET, Inc. |
| **Project Name:** | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| **Wetland Location:** | PHILOMATH MILL SITE (West Central Pond, Sample Pts.12, 13) | | |
| **Wetland Code:** | NC–14d | | |
| **Wetland Type(s):** | PEM | | |
| **Approximate Area (acres):** | 2.0 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | A |
| Q–2 | C | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | B | Q–3 | C | Q–3 | B |
| Q–4 | C | Q–4 | | Q–4 | B | Q–4 | A | Q–4 | A | Q–4 | B |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | C | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | B |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | B | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland has the potential to provide water–quality beneifts |
| **Hydrologic Control** | Wetland has the potential to provide hydrologic control |
| **Sensitivity to Impact** | Wetland is potentially sensitive to secondary effects |
| **Enhancement Potential** | Wetland has some potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportunities |
| **Aesthetic Quality** | Wetland is considered to be potentially pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| Date: | 5/4/95 | Investigator(s): | Scott Craig, WET, Inc. |
|---|---|---|---|
| Project Name: | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| Wetland Location: | PHILOMATH MILL SITE (Southwest Pond, Sample Pts. 17–21) | | |
| Wetland Code: | NC–14f | | |
| Wetland Type(s): | PEM | | |
| Approximate Area (acres): | 11.4 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | A |
| Q–2 | C | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | B |
| Q–4 | C | Q–4 | | Q–4 | A | Q–4 | A | Q–4 | A | Q–4 | B |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | A | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | B |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | B | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

RESULTS:

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | N/A |
| Water Quality | Wetland has the potential to provide water–quality beneifts |
| Hydrologic Control | Wetland provides hydrologic control |
| Sensitivity to Impact | Wetland is potentially sensitive to secondary effects |
| Enhancement Potential | Wetland has some potential for enhancement |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportunities |
| Aesthetic Quality | Wetland is considered to be potentially pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| Date: | 5/17/95 | Investigator(s): | Scott Craig, WET, Inc. |
|---|---|---|---|
| Project Name: | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| Wetland Location: | PHILOMATH MILL SITE (SW Area, adjacent to road, Sample Pts.30, 31) | | |
| Wetland Code: | NC–14g | | |
| Wetland Type(s): | PFO/PSS | | |
| Approximate Area (acres): | 0.8 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | | Q–1 | C | Q–1 | B | Q–1 | B | Q–1 | A |
| Q–2 | A | Q–2 | | Q–2 | C | Q–2 | C | Q–2 | C | Q–2 | A |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | B | Q–3 | A | Q–3 | B |
| Q–4 | C | Q–4 | | Q–4 | B | Q–4 | A | Q–4 | A | Q–4 | C |
| Q–5 | B | Q–5 | | Q–5 | A | Q–5 | A | Q–5 | A | Q–5 | B |
| Q–6 | C | Q–6 | | Q–6 | C | Q–6 | A | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | B | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | B | Q–4 | A |
| Q–5 | B | Q–5 | B | Q–5 | A |
| Q–6 | A | Q–6 | B | | |

RESULTS:

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | N/A |
| Water Quality | Wetland has the potential to provide water–quality beneifts |
| Hydrologic Control | Wetland has the potential to provide hydrologic control |
| Sensitivity to Impact | Wetland is potentially sensitive to secondary effects |
| Enhancement Potential | Wetland can be enhanced |
| Education | Wetland has potential for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| | | | |
|---|---|---|---|
| **Date:** | 5/5/95 | **Investigator(s):** | Scott Craig, WET, Inc. |
| **Project Name:** | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| **Wetland Location:** | PHILOMATH MILL SITE (South of South Pond, adj. to Highway, Sample Pts.2 | | |
| **Wetland Code:** | NC–14h | | |
| **Wetland Type(s):** | PFO/PSS/PEM | | |
| **Approximate Area (acres):** | 10.1 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | | Q–1 | C | Q–1 | B | Q–1 | B | Q–1 | C |
| Q–2 | A | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | B |
| Q–4 | C | Q–4 | | Q–4 | A | Q–4 | A | Q–4 | A | Q–4 | B |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | A | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | B | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | A | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | B | Q–5 | B | Q–5 | A |
| Q–6 | A | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse habitat for wildlife |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland has the potential to provide water–quality beneifts |
| **Hydrologic Control** | Wetland has the potential to provide hydrologic control |
| **Sensitivity to Impact** | Wetland is potentially sensitive to secondary effects |
| **Enhancement Potential** | Wetland has some potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| Date: | 5/17/95 | Investigator(s): | Scott Craig, WET, Inc. |
|---|---|---|---|
| Project Name: | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| Wetland Location: | PHILOMATH MILL SITE (SE Portion of Site, Sample Pt.36) | | |
| Wetland Code: | NC–14i | | |
| Wetland Type(s): | PFO/PSS/PEM | | |
| Approximate Area (acres): | 9.87 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | C |
| Q–2 | A | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | A |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | B |
| Q–4 | B | Q–4 | | Q–4 | A | Q–4 | A | Q–4 | A | Q–4 | B |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | A | Q–5 | A | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | A | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | A | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides diverse habitat for wildlife |
| Fish Habitat | N/A |
| Water Quality | Wetland has the potential to provide water–quality beneifts |
| Hydrologic Control | Wetland provides hydrologic control |
| Sensitivity to Impact | Wetland is potentially sensitive to secondary effects |
| Enhancement Potential | Wetland has some potential for enhancement |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportunities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| | | | |
|---|---|---|---|
| **Date:** | 5/17/95 | **Investigator(s):** | Scott Craig, WET, Inc. |
| **Project Name:** | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| **Wetland Location:** | PHILOMATH MILL SITE (NE POND, North of PHL–1, Sample Pt.37) | | |
| **Wetland Code:** | NC–14j | | |
| **Wetland Type(s):** | PSS/PEM | | |
| **Approximate Area (acres):** | 7.6 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | | Q–1 | C | Q–1 | A | Q–1 | B | Q–1 | C |
| Q–2 | A | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | B |
| Q–3 | B | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | B |
| Q–4 | B | Q–4 | | Q–4 | A | Q–4 | B | Q–4 | A | Q–4 | C |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | A | Q–5 | A | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | C | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | A |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | A | Q–3 | C | Q–3 | A |
| Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse habitat for wildlife |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland has the potential to provide water–quality beneifts |
| **Hydrologic Control** | Wetland has the potential to provide hydrologic control |
| **Sensitivity to Impact** | Wetland is potentially sensitive to secondary effects |
| **Enhancement Potential** | Wetland has little enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportunities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| Date: | 7/19/95 | Investigator(s): | PAF, SD |
|---|---|---|---|
| Project Name: | MILL SITE CONVERSIONS–RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| Wetland Location: | PHILOMATH MILL SITE (East Ditch, along Clemens Mill Road) | | |
| Wetland Code: | NC–14k | | |
| Wetland Type(s): | PEM | | |
| Approximate Area (acres): | 0.2 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | | Q–1 | A | Q–1 | B | Q–1 | B | Q–1 | A |
| Q–2 | C | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | C | Q–2 | A |
| Q–3 | C | Q–3 | | Q–3 | B | Q–3 | C | Q–3 | C | Q–3 | B |
| Q–4 | C | Q–4 | | Q–4 | C | Q–4 | A | Q–4 | A | Q–4 | C |
| Q–5 | A | Q–5 | | Q–5 | C | Q–5 | C | Q–5 | B | Q–5 | A |
| Q–6 | B | Q–6 | | Q–6 | C | Q–6 | C | | | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | A | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | A | Q–1 | C | Q–1 | B |
| Q–2 | B | Q–2 | C | Q–2 | C |
| Q–3 | B | Q–3 | C | Q–3 | C |
| Q–4 | B | Q–4 | B | Q–4 | B |
| Q–5 | C | Q–5 | B | Q–5 | B |
| Q–6 | B | Q–6 | B | | |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | N/A |
| Water Quality | Wetland has the potential to provide water–quality beneifts |
| Hydrologic Control | Wetland does not provide hydrologic control |
| Sensitivity to Impact | Wetland is potentially sensitive to secondary effects |
| Enhancement Potential | Wetland can be enhanced |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportunities |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

*Assessed using OFWAM, First Edition

| | | | |
|---|---|---|---|
| **Date:** | 7/19/95 | **Investigator(s):** | PAF, SD |
| **Project Name:** | MILL SITE CONVERSIONS RURAL DEVELOPMENT INITIATIVES | | |
| | | | |
| **Wetland Location:** | PHILOMATH MILL SITE (depressional area in NW corner) | | |
| **Wetland Code:** | NC-14I | | |
| **Wetland Type(s):** | PEM | | |
| **Approximate Area (acres):** | 0.03 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | | Q-1 | B | Q-1 | B | Q-1 | C | Q-1 | A |
| Q-2 | C | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | | Q-3 | A | Q-3 | C | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | | Q-4 | C | Q-4 | B | Q-4 | A | Q-4 | A |
| Q-5 | B | Q-5 | | Q-5 | C | Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | C | Q-6 | | Q-6 | C | Q-6 | C | | | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | A | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | C | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | | |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland has the potential to provide water-quality beneifts |
| **Hydrologic Control** | Wetland does not provide hydrologic control |
| **Sensitivity to Impact** | Wetland is potentially sensitive to secondary effects |
| **Enhancement Potential** | Wetland has some potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be potentially pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 5/23/96 | Investigator(s): | NC-15 |
|---|---|---|---|
| Project Name: | Philomath Local Wetlands Inventory | | |
| | | | |
| Wetland Location: | Immediately east of 20th Place, north of Highway 20 | | |
| Wetland Code: | NC-15 | | |
| Wetland Type(s): | PEM, PFO, POW | | |
| Approximate Area (acres): | 7.41 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | B | Q-3 | C | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | B |
| Q-4 | B | Q-4 | C | Q-4 | A | Q-4 | C | Q-4 | A | Q-4 | A |
| Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | C | | | | | Q-7 | A | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | C |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | B |

RESULTS:

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water-quality function is intact |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 6/8/96 | **Investigator(s):** | JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | N. of Hwy 20, W. of Clemens Mill Rd, adjacent to Willamette Industries | | |
| **Wetland Code:** | NC-16 | | |
| **Wetland Type(s):** | PEM, PSS | | |
| **Approximate Area (acres):** | 2.2 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | | Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B |
| Q-2 | B | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | | Q-4 | | Q-4 | B | Q-4 | C | Q-4 | C | Q-4 | B |
| Q-5 | B | Q-5 | | Q-5 | C | Q-5 | B | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | | Q-6 | C | Q-6 | B | Q-6 | C | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | A | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | A |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse wildlife habitat |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has moderate potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 5/23/96 | Investigator(s): | DC, JF |
|---|---|---|---|
| Project Name: | Philomath Local Wetlands Inventory | | |
| | | | |
| Wetland Location: | North of Hwy 20, east of Clemens Mill Road | | |
| Wetland Code: | NC–17 | | |
| Wetland Type(s): | PEM, PSS | | |
| Approximate Area (acres): | 1.78 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | B | Q–1 | A | Q–1 | A | Q–1 | A | Q–1 | A |
| Q–2 | A | Q–2 | B | Q–2 | A | Q–2 | A | Q–2 | B | Q–2 | A |
| Q–3 | C | Q–3 | C | Q–3 | B | Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | C | Q–4 | A | Q–4 | B | Q–4 | B | Q–4 | B | Q–4 | B |
| Q–5 | A | Q–5 | B | Q–5 | B | Q–5 | A | Q–5 | A | Q–5 | A |
| Q–6 | A | Q–6 | A | Q–6 | C | Q–6 | A | Q–6 | A | Q–6 | B |
| Q–7 | A | | | | | Q–7 | B | | | | |
| Q–8 | B | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | C | Q–1 | C | Q–1 | C |
| Q–2 | A | Q–2 | C | Q–2 | C |
| Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | C | Q–4 | C | Q–4 | B |
| Q–5 | C | Q–5 | B | Q–5 | B |
| Q–6 | B | Q–6 | B | Q–6 | B |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water–quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland site is not appropriate for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 5/23/96 | **Investigator(s):** | DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | South of Highway 20, east of 26th Street | | |
| **Wetland Code:** | NC-18 | | |
| **Wetland Type(s):** | PEM, PSS, PFO | | |
| **Approximate Area (acres):** | 1.31 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A |
| Q-2 | A | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | | Q-4 | A | Q-4 | B | Q-4 | C | Q-4 | A | Q-4 | B |
| Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | B | Q-6 | A | Q-6 | A |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | A | Q-3 | A |
| Q-4 | A | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is not sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has educational uses |
| **Recreation** | Wetland provides recreational opportunities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 5/23/96 | Investigator(s): | JF,DC |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | South of Applegate Road, north of Chapel Drive | | |
| Wetland Code: | NC-19 | | |
| Wetland Type(s): | PEM, PSS | | |
| Approximate Area (acres): | 9.55 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | |
| Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | |
| Q-3 | A | Q-3 | A | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | |
| Q-6 | A | Q-6 | A | Q-6 | C | Q-6 | B | Q-6 | A | Q-6 | |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | C | Q-1 | A | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides diverse wildlife habitat |
| Fish Habitat | Wetland's fish habitat function is intact |
| Water Quality | Wetland's water-quality function is intact |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | N/A |
| Education | Wetland site is not appropriate for educational use |
| Recreation | Wetland has the potential to provide recreational activities |
| Aesthetic Quality | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 5/1/96 | Investigator(s): | CM, DC |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | Newton Creek through city park, neighborhood S of Hwy 20, W of 24th St. | | |
| Wetland Code: | NC-20 | | |
| Wetland Type(s): | PSS, PEM | | |
| Approximate Area (acres): | 2.12 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | B | Q-3 | A | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | C | Q-4 | A | Q-4 | B |
| Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | A | Q-6 | C | Q-6 | B | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | A | Q-3 | A |
| Q-4 | A | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is intact |
| Water Quality | Wetland's water-quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland has educational uses |
| Recreation | Wetland provides recreational opportunities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 5/1/96 | Investigator(s): | DC, CM |
|---|---|---|---|
| Project Name: | Philomath Local Wetlands Inventory | | |
| | | | |
| Wetland Location: | Newton Creek, north of Chapel Drive | | |
| Wetland Code: | NC-21 | | |
| Wetland Type(s): | PEM, PSS, PFO | | |
| Approximate Area (acres): | 26.07 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | |
| Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | |
| Q-3 | A | Q-3 | A | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | |
| Q-4 | C | Q-4 | A | Q-4 | A | Q-4 | C | Q-4 | B | Q-4 | |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | B | Q-5 | |
| Q-6 | A | Q-6 | A | Q-6 | C | Q-6 | B | Q-6 | A | Q-6 | |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | C | Q-2 | C |
| Q-3 | A | Q-3 | A | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| Wildlife Habitat | Wetland provides diverse wildlife habitat |
| Fish Habitat | Wetland's fish habitat function is intact |
| Water Quality | Wetland's water-quality function is intact |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | N/A |
| Education | Wetland has educational uses |
| Recreation | Wetland provides recreational opportunities |
| Aesthetic Quality | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 5/16/96, 5/23/96 | **Investigator(s):** | DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Southeastern UGB corner, west of Bellfountain Rd, north of Chapel Drive | | |
| **Wetland Code:** | NC-22 | | |
| **Wetland Type(s):** | PEM, PSS | | |
| **Approximate Area (acres):** | 2.14 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | | Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | B |
| Q-2 | B | Q-2 | | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | | Q-3 | C | Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | | Q-4 | | Q-4 | B | Q-4 | C | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | B |
| Q-6 | B | Q-6 | | Q-6 | C | Q-6 | B | Q-6 | C | Q-6 | B |
| Q-7 | A | | | | | Q-7 | A | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | B |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | N/A |
| **Water Quality** | Wetland's water-quality function is impacted or degraded |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has moderate potential for enhancement |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 4/2/96 | **Investigator(s):** | FS, DC, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | North and west of intersection of McBee Road and West Hills Road | | |
| **Wetland Code:** | NC-23 | | |
| **Wetland Type(s):** | PEM, PFO | | |
| **Approximate Area (acres):** | 3.21 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | B | Q-1 | A |
| Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | A |
| Q-6 | A | Q-6 | B | Q-6 | C | Q-6 | B | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | C | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | B |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | A |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | A |

RESULTS:

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is intact |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be moderately pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 4/23/96 | Investigator(s): | JF,DC,CM |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | West and east of N. 19th. Street, drainage crossing Industrial Way | | |
| Wetland Code: | NC-24 | | |
| Wetland Type(s): | PFO, PSS, PEM | | |
| Approximate Area (acres): | 3.11 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A | Q-1 | A | Q-1 | A |
| Q-2 | A | Q-2 | B | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | B | Q-3 | B | Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | A | Q-4 | B | Q-4 | A | Q-4 | A | Q-4 | B |
| Q-5 | A | Q-5 | C | Q-5 | A | Q-5 | A | Q-5 | A | Q-5 | B |
| Q-6 | A | Q-6 | A | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | C | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | B | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | C | Q-1 | C | Q-1 | C |
| Q-2 | B | Q-2 | C | Q-2 | C |
| Q-3 | B | Q-3 | C | Q-3 | C |
| Q-4 | C | Q-4 | B | Q-4 | C |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | C |

RESULTS:

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | Wetland's fish habitat function is impacted or degraded |
| Water Quality | Wetland's water-quality function is impacted or degraded |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has high enhancement potential |
| Education | Wetland site is not appropriate for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| Date: | 4/30/96 | Investigator(s): | DC,CM |
|---|---|---|---|
| Project Name: | Philomath Local Wetland Inventory | | |
| | | | |
| Wetland Location: | South of railroad tracks, west of N. 19th St. | | |
| Wetland Code: | NC–25 | | |
| Wetland Type(s): | PEM | | |
| Approximate Area (acres): | 11.84 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q–1 | C | Q–1 | | Q–1 | B | Q–1 | B | Q–1 | B | Q–1 | B |
| Q–2 | C | Q–2 | | Q–2 | A | Q–2 | A | Q–2 | B | Q–2 | C |
| Q–3 | C | Q–3 | | Q–3 | A | Q–3 | A | Q–3 | C | Q–3 | |
| Q–4 | A | Q–4 | | Q–4 | A | Q–4 | B | Q–4 | A | Q–4 | A |
| Q–5 | A | Q–5 | | Q–5 | A | Q–5 | C | Q–5 | A | Q–5 | C |
| Q–6 | A | Q–6 | | Q–6 | C | Q–6 | A | Q–6 | B | Q–6 | B |
| Q–7 | A | | | | | Q–7 | A | | | | |
| Q–8 | C | | | | | | | | | | |
| Q–9A | | | | | | | | | | | |
| Q–9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q–1 | B | Q–1 | C | Q–1 | C |
| Q–2 | A | Q–2 | C | Q–2 | A |
| Q–3 | B | Q–3 | C | Q–3 | A |
| Q–4 | C | Q–4 | B | Q–4 | C |
| Q–5 | C | Q–5 | B | Q–5 | B |
| Q–6 | A | Q–6 | B | Q–6 | C |

**RESULTS:**

| | |
|---|---|
| Wildlife Habitat | Wetland provides habitat for some wildlife species |
| Fish Habitat | N/A |
| Water Quality | Wetland's water–quality function is intact |
| Hydrologic Control | Wetland's hydrologic control function is intact |
| Sensitivity to Impact | Wetland is potentially sensitive to future impacts |
| Enhancement Potential | Wetland has little enhancement potential |
| Education | Wetland has potential for educational use |
| Recreation | Wetland is not appropriate for or does not provide recreational opportuniti |
| Aesthetic Quality | Wetland is not pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 3/27/96 | **Investigator(s):** | FS, JF |
| **Project Name:** | Philomath Local Wetlands Inventory | | |
| | | | |
| **Wetland Location:** | Northwestern corner, intersection of 20th Place and College Street | | |
| **Wetland Code:** | NC-26 | | |
| **Wetland Type(s):** | PEM, PSS | | |
| **Approximate Area (acres):** | 3.10 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | C | Q-1 | A | Q-1 | B | Q-1 | A | Q-1 | A |
| Q-2 | C | Q-2 | C | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | A |
| Q-3 | C | Q-3 | C | Q-3 | A | Q-3 | B | Q-3 | C | Q-3 | B |
| Q-4 | C | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | C | Q-5 | A | Q-5 | C |
| Q-6 | A | Q-6 | C | Q-6 | C | Q-6 | C | Q-6 | B | Q-6 | B |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | C | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | B | Q-1 | B |
| Q-2 | A | Q-2 | C | Q-2 | A |
| Q-3 | B | Q-3 | C | Q-3 | A |
| Q-4 | B | Q-4 | B | Q-4 | B |
| Q-5 | B | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides habitat for some wildlife species |
| **Fish Habitat** | Wetland's fish habitat function is impacted or degraded |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control is impacted or degraded |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | Wetland has high enhancement potential |
| **Education** | Wetland has potential for educational use |
| **Recreation** | Wetland has the potential to provide recreational activities |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

| | | | |
|---|---|---|---|
| **Date:** | 6/29; 6/30; 7/6; 7/7/95; 4/31/96 | **Investigator(s):** | JF, DC, PF, FS, CM |
| **Project Name:** | Philomath Local Wetland Inventory | | |
| | | | |
| **Wetland Location:** | Field between Southern Pacific Railroad and West Hills Road | | |
| **Wetland Code:** | NC-27 | | |
| **Wetland Type(s):** | PEM, PSS, PFO | | |
| **Approximate Area (acres):** | 128.09 | | |

| Wildlife Habitat | | Fish Habitat | | Water Quality | | Hydrologic Control | | Sensitivity to Impact | | Enhancement Potential | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Q | A | Q | A | Q | A | Q | A | Q | A | Q | A |
| Q-1 | A | Q-1 | A | Q-1 | B | Q-1 | B | Q-1 | A | Q-1 | |
| Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | A | Q-2 | B | Q-2 | |
| Q-3 | A | Q-3 | A | Q-3 | A | Q-3 | A | Q-3 | C | Q-3 | |
| Q-4 | | Q-4 | A | Q-4 | A | Q-4 | B | Q-4 | B | Q-4 | |
| Q-5 | A | Q-5 | B | Q-5 | B | Q-5 | A | Q-5 | A | Q-5 | |
| Q-6 | A | Q-6 | A | Q-6 | C | Q-6 | A | Q-6 | A | Q-6 | |
| Q-7 | A | | | | | Q-7 | B | | | | |
| Q-8 | B | | | | | | | | | | |
| Q-9A | | | | | | | | | | | |
| Q-9B | A | | | | | | | | | | |

| Education | | Recreation | | Aesthetic Quality | |
|---|---|---|---|---|---|
| Q | A | Q | A | Q | A |
| Q-1 | B | Q-1 | C | Q-1 | A |
| Q-2 | C | Q-2 | C | Q-2 | C |
| Q-3 | A | Q-3 | C | Q-3 | A |
| Q-4 | A | Q-4 | A | Q-4 | B |
| Q-5 | C | Q-5 | B | Q-5 | A |
| Q-6 | B | Q-6 | B | Q-6 | B |

**RESULTS:**

| | |
|---|---|
| **Wildlife Habitat** | Wetland provides diverse wildlife habitat |
| **Fish Habitat** | Wetland's fish habitat function is intact |
| **Water Quality** | Wetland's water-quality function is intact |
| **Hydrologic Control** | Wetland's hydrologic control function is intact |
| **Sensitivity to Impact** | Wetland is potentially sensitive to future impacts |
| **Enhancement Potential** | N/A |
| **Education** | Wetland site is not appropriate for educational use |
| **Recreation** | Wetland is not appropriate for or does not provide recreational opportuniti |
| **Aesthetic Quality** | Wetland is considered to be pleasing |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-1 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Low interspersion, surrounded by agricultural and some industrial land, narrow buffer where present |
| Fish Habitat | Function is impacted or degraded | Intermittent drainage, modifications, no instream structures, no lake or pond associated with wetland |
| Water Quality | Function is impacted or degraded | Intermittent drainage, surrounded by agricultural lands, ponding evident only in portions |
| Hydrologic Control | Hydrologic control impacted or degraded | Not in 100-year floodplain, emergent vegetation dominant |
| Sensitivity to Impact | Potentially sensitive to future impacts | Current use mostly open space and agricultural but zoned urban residential, emergent vegetation dominant |
| Enhancement Potential | Has high enhancement potential | Habitat for some wildlife species, small size, potentially sensitive to future impacts |
| Education | Has potential for educational uses | No public access, busy highway, no barriers |
| Recreation | Potential to provide recreational opportunities | Provides habitat for some wildlife species, unmaintained access, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | Only one Cowardin class visible from viewing area, no visual detractors, no odors |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-2 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Low interspersion, surrounded by residential development, narrow buffer where present |
| Fish Habitat | Function is impacted or degraded | Intermittent drainage, modifications, separated by a culvert from other wetlands |
| Water Quality | Function is impacted or degraded | Intermittent drainage, surrounded by residential development, ponding evident only in portions |
| Hydrologic Control | Function is intact | Evidence of ponding, woody vegetation dominant, developed uses on surrounding areas |
| Sensitivity to Impact | Potentially sensitive to future impacts | Current surrouding use is residential, woody vegetation dominant, zoned for developed uses |
| Enhancement Potential | Moderate potential for enhancement | One function is lost or not present, medium size potentially sensitive to future impacts |
| Education | Has potential for educational uses | No public access, but access within 250 feet, no barriers |
| Recreation | Potential to provide recreational opportunities | Habitat for some wildlife species, unmaintained access, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | Only one Cowardin class visible from viewing area, visual detractors easily removed, no odors |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-3 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides diverse wildlife habitat | Multiple Cowardin wetland classes, good buffer, connected to other wetlands, large size |
| Fish Habitat | Function is impacted or degraded | Modifications to channel, shaded but few instream structures, surrounding agricultural use |
| Water Quality | Function is impacted or degraded | Fed by groundwater seeps, surrouding agricultural use |
| Hydrologic Control | Function is intact | Evidence of ponding and flooding, large size, woody vegetation dominant |
| Sensitivity to Impact | Potentially sensitive to future impacts | Modified channel, zoned for developed uses |
| Enhancement Potential | High enhancement potential | Provides habitat for some wildlife species, large size, potentially sensitive to impacts, good buffer |
| Education | Has potential for educational use | No public access, but public road within 250 feet, no barriers, some steep banks |
| Recreation | Potential to provide recreational opportunities | No public access, unmaintained access point, no trails, no boating, fishing, or hunting, wildlife habitat |
| Aesthetic Quality | Considered to be pleasing | Multiple Cowardin classes, large area visible from some points, no odors, no visual detractors |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-4 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Includes ponds and intermittent stream, good buffer, low habitat interspersion, connected to other wetlands |
| Fish Habitat | Function is impacted or degraded | Modified stream channel, lack of instream structures, agricultural use |
| Water Quality | Function is impacted or degraded | Intermittent stream, moderate vegetative cover |
| Hydrologic Control | Function is impacted or degraded | Not in 100-year floodplain, some outflow restrictions, current and zoned developed uses downstream, PEM |
| Sensitivity to Impact | Potentially sensitive to future impacts | Open space upstream, zoned for development downstream, PEM |
| Enhancement Potential | High enhancement potential | Potential for other functions, surface water, large size, good buffer |
| Education | Has potential for educational uses | No public access, no barriers, unmaintained access within 250 feet, no hazards, access to viewing area |
| Recreation | Has potential to provide recreational opportunities | Unmaintained access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | Multiple Cowardin classes visible, no visual detractors, no odors, some traffic noise |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-5 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Several Cowardin classes, woody vegetation dominant, moderate interspersion, narrow buffer |
| Fish Habitat | N/A | No stream, lake, or pond connected to wetland |
| Water Quality | Function is intact | Precipitation and sheet flow across impermeable soil surface, ponding, good cover |
| Hydrologic Control | Function is impacted or degraded | Not within 100-year floodplain, outflow restricted, upstream agricultural use |
| Sensitivity to Impact | Potentially sensitive to future impacts | Modified upstream, not isolated, developed land uses and zoned uses, woody vegetation dominant |
| Enhancement Potential | Little potential for enhancement | Fish habitat function not present, moderate size, small buffer, potentially sensitive to impacts |
| Education | Has potential for educational uses | No public access, no barriers, no sidewalk, provides some wildlife habitat |
| Recreation | Potential to provide recreational opportunities | No public access, unmaintained access, no trails, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | Several Cowardin classes, no odors, some noise from mill site to the east |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-6 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Several Cowardin classes, good buffer, a small amount of open water (created pond), |
| Fish Habitat | Function is impacted or degraded | Intermittent stream connected to wetland, developed land uses, some modification of drainage |
| Water Quality | Function is intact | Surface flow, ponding, good cover, moderate size |
| Hydrologic Control | Function is impacted or degraded | Not within 100-year floodplain, outflow restricted, upstream agricultural use |
| Sensitivity to Impact | Potentially sensitive to future impacts | Modified upstream, not isolated, developed land uses and zoned uses, emergent vegetation dominant, but woody vegetation present |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, buffer, potentially sensitive to impacts |
| Education | Has potential for educational uses | No public access, no barriers, no sidewalk, provides some wildlife habitat |
| Recreation | Potential to provide recreational opportunities | No public access, unmaintained access, no trails, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | Several Cowardin classes, no odors, surrounding area manipulated or landscaped by people, some noise near by mill site |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-7 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | PFO, connected to Mary's River, buffer, surrounding land undeveloped, but water quality limited |
| Fish Habitat | Function is impacted or degraded | Shaded river, natural channel, some instream structure, but severe water quality condition |
| Water Quality | Function is impacted or degraded | Perennial stream, moderate vegetation cover, open space, river in severe water quality condition |
| Hydrologic Control | Function is intact | Within 100-year floodplain, flooding, unrestricted outflow, some PFO, developed land uses upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Human disturbance, severe water quality condition, developed land uses upstream |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, unrestricted outflow, large size, good buffer |
| Education | Has potential for educational use | No public access, no barriers, steep banks, habitat for some wildlife species, ADA barriers |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, accessible by boat, but no hunting or fishing |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, quiet, no odors, open space |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-8 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Connected to Mary's River, good buffer, agricultural uses, emergent vegetation dominant |
| Fish Habitat | Function is intact | Shaded river, natural channel, some instream structure, but severe water quality condition |
| Water Quality | Function is impacted or degraded | Perennial stream, moderate vegetation cover, open space (park), river in severe water quality condition |
| Hydrologic Control | Function is intact | Within 100-year floodplain, flooding, unrestricted outflow, some PFO, developed land uses upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Severe water quality condition, emergent vegetation dominant, developed land uses upslope and upstream |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, unrestricted outflow, large size, some areas of good buffer |
| Education | Has potential for educational use | Public access, steep banks, habitat for some wildlife, trails, viewing areas, boat access (Mary's River) |
| Recreation | Provides recreational opportunities | Public access, trails, boat access (Mary's River), fishing allowed (public land), no hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, quiet, no odors, open space |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-9 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides diverse wildlife habitat | PFO, connected to Mary's River, good buffer agricultural uses, adjacent to park (open space) |
| Fish Habitat | Function is intact | Shaded river, natural channel, some instream structure, but severe water quality condition |
| Water Quality | Function is intact | Connected to perennial stream, evidence of flooding, good vegetation cover, adjacent agriculture (and park) |
| Hydrologic Control | Function is intact | Within 100-year floodplain, flooding, unrestricted outflow, PFO, developed land uses upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Human disturbance, severe water quality condition, in adjacent river, developed land uses upstream |
| Enhancement Potential | N/A | Provides diverse wildlife habitat |
| Education | Has potential for educational use | Public access within 250 feet, diverse wildlife habitat access from park for those with limited mobility |
| Recreation | Potential to provide recreational opportunities | Public access within 250 feet, no trails, accessible by boat, fishing on adjacent river, no hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, quiet, no odors, open space |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR–10 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | PEM only, low interspersion, hayfield with no buffer |
| Fish Habitat | N/A | |
| Water Quality | Function is impacted or degraded | Precipitation as hydrologic source, ponding, low amount of cover, surrounded by developed uses |
| Hydrologic Control | Function is intact | Within 100–year floodplain, flooding, no surface connection to other wetlands, developed uses upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Developed land uses upslope, isolated wetland, PEM only |
| Enhancement Potential | Little enhancement potential | Fish habitat functions not present, fed by precipitation, no surface flow into wetland, no umowed buffer |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, access for those with limited mobility, access within 250 feet |
| Recreation | Potential to provide recreational opportunities | Access within 250 feet, no trails, Mary's River accessible by boat close by, but no fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, no odors, undeveloped at present, only one Cowardin class |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-11 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | PEM only, low interspersion, surrounding agricultural use (horse pasture), no buffer |
| Fish Habitat | Function is impacted or degraded | roadside ditch and culverted intermittent stream, modified channel, no riparian vegetation |
| Water Quality | Function is impacted or degraded | Moderate vegetation cover, intermittent stream, surface flow, agricultural (pasture) uses |
| Hydrologic Control | Function is impacted or degraded | Within 100-year floodplain, flooding, culverted, PEM, developed land uses upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Flow modifications, current use is pasture and residential, zoned for developed uses, PEM |
| Enhancement Potential | Moderate potential for enhancement | Surface flow, medium size, no buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, but access within 250 feet, habitat for some wildlife species, no access for those limited mobility |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, Mary's River accessible by boat less than 1/2 mile away, no fishing or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, PEM only, no odors, surrounding area lanscaped or manipulated by people |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-12 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Multiple Cowardin classes, woody vegetation dominant, large size, surrounded by developed land, medium buffer |
| Fish Habitat | N/A | |
| Water Quality | Function is impacted or degraded | Ground water source, flooding evident, good cover large size, surrounded by developed uses |
| Hydrologic Control | Function is intact | Partially within 100-year floodplain, flooding, large size, woody vegetation dominant, with much PEM also, surrounded by development |
| Sensitivity to Impact | Not sensitive to future impacts | Wetland not isolated from other wetlands, woody vegetation, current and zoned developed uses |
| Enhancement Potential | Moderate potential for enhancement | Provides habitat for some wildlife species, large size, medium buffer, not sensitive to impacts, fish habitat function is not present |
| Education | Has potential for educational use | No public access, but access within 250 feet of wetland, habitat for some wildlife species, observation of features, accessible to those with limited mobility |
| Recreation | Potential to provide recreational opportunities | Unmaintained access within 250 feet, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | Visual detractors easily removed, no odors, multiple Cowardin classes, |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | MR-13 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Dominated by PFO, some open water (ditches and mill pond) surrounded by developed uses |
| Fish Habitat | N/A | |
| Water Quality | Function is impacted or degraded | Ground water source (with some surface drainage), flooding, moderate cover, surrounded by development |
| Hydrologic Control | Function is intact | Not within 100-year floodplain, flooding, PFO, developed land uses upslope and down slope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Altered surface drainage, developed land uses and zoned uses surrounding wetland |
| Enhancement Potential | Moderate potential for enhancement | Ground water (with some surface drainage input), fish habitat not present, some buffer |
| Education | Has potential for educational use | No public access, no sidewalk, habitat for some wildlife species, unmainatained access |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, access within 250 feet, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | Visual detractors easily removed, no odors, several Cowardin classes present |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-1 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Many Cowardin classes, large size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Moderately shaded, intermittent stream, modified (culverts), few instream structures, agricultural land uses |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, agricultural uses, moderate size |
| Hydrologic Control | Function is impacted or degraded | Not within 100-year floodplain, flooding, restricted outlets, woody vegetation dominant, agricultural uses with developed land use downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, agricultural land use, with zoned development, woody vegetation dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, good buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, hazard (no sidewalks, busy road), habitat for some wildlife species, unmaintained access within 250 feet |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | Visual detractors easily removed, no odors, multiple Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–2 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Natural vegetated wet meadow, connected to other wetlands, surrounded by agricultural fields |
| Fish Habitat | Impacted or degraded | No shading vegetation, no fish present, no stream or other surface water connection, restricted outlet |
| Water Quality | Intact | over 60% vegetated, some evidence of flooding, small a surrounded by agriculture |
| Hydrologic Control | Impacted or degraded | Emergent vegetation, outlet is unrestricted, surrounded by agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoned for industrial residential development, surrounde by agriculture, emergent vegetation |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, degraded fish habitat, restore outlet connection to other wetlands, wider upland buffe |
| Education | Potential for educational uses | Public access allowed only by permission, public road nearby, no safety hazards, under 50% of wetland visible |
| Recreation | Is not appropriate or does not provide | Limited public access, no trails, some wildlife habitat , no boating, fishing, or hunting, public access nearby |
| Aesthetic Quality | Wetland is not pleasing | One Cowardin wetland class visible, natural odors, visu contrast, continuos intrusive sounds, under 50 % visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–3 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Open water with a vegetated, scrub/shrub fringe, large size, upland buffers, some emergent vegetation |
| Fish Habitat | Impacted or degraded | Artificially created, excavated and dammed with no surface water connection, no fish present |
| Water Quality | Impacted or degraded | Sparsely vegetated, precipitation or sheet flow developed downstream, agriculture upstream |
| Hydrologic Control | Intact | Sparsely vegetated, outlet is restricted, developed downstream, agriculture upstream |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future industrial development, surrounded by development on south, southeast and southwest |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, degraded fish habitat, large size detractors removed |
| Education | Potential for educational uses | Public access allowed only by permission, undeveloped trails, whole wetland visible from viewing points |
| Recreation | Not appropriate for or does not provide | Limited public access, no developed trails no boating, fishing, or hunting |
| Aesthetic Quality | Wetland is considered to be moderately pleasing | Two Cowardin wetland classes, natural odors, visual contrast, continuous intrusive sounds, over 50 % visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-4 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Many Cowardin classes, large size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Moderately shaded, intermittent stream, modified (culverts), few instream structures, agricultural land uses |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, agricultural uses, large size |
| Hydrologic Control | Function is impacted or degraded | Not within 100-year floodplain, flooding, restricted outlets, PEM dominant, agricultural uses with developed land use downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, agricultural land use, with zoned development, PEM dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, large size, good buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, unmaintained access within 250 feet |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | No visual detractors, no odors, multiple Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–5 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Many Cowardin classes, large size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Moderately shaded, perennial stream, modified (culverts), few instream structures, agricultural land uses |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, agricultural uses, large size |
| Hydrologic Control | Function is intact | Within 100–year floodplain, flooding, restricted outlets, PEM dominant, agricultural uses with developed land use downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, agricultural land use, with zoned development, PEM dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, good buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, unmaintained access within 250 feet |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | No visual detractors, no odors, multiple Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-6 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Many Cowardin classes, moderate size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Moderately shaded, partially intermittent stream, modified (culverts), few instream structures, agricultural land uses |
| Water Quality | Function is impacted or degraded | Fed by surface flow, flooding, low amount of cover, agricultural uses, moderate size |
| Hydrologic Control | Function is intact | Not within 100-year floodplain, flooding, restricted outlets, PEM dominant, agricultural uses with developed land use downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, agricultural and developed land use with zoned development, PEM dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, some buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, unmaintained access within 250 feet viewing for those with limited mobility |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting, undeveloped viewing area at "Chateau Philomath" pond |
| Aesthetic Quality | Considered to be pleasing | No visual detractors, no odors, multiple Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-7 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | PSS and PEM, moderate size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Intermittent drainage in agricultural swale, no fish present |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, agricultural uses, moderate size |
| Hydrologic Control | Function is degraded or impacted | Not within 100-year floodplain, flooding, unrestricted outlets, PEM dominant, agricultural uses upstream with agricultural use within 500 feet downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | No channel modification upstream, agricultural use, zoned development, PEM dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, other features observable, access to viewing spot for those with limited mobility |
| Recreation | Not appropriate for or does not provide opportunities | No public access, no trails, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, no odors, natural landscape, only two Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–8 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Several Cowardin classes, large size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Moderately shaded, intermittent stream, modified (ditching, excavation), few instream structures, agicultual land uses |
| Water Quality | Function is intact | Fed by surface flow, flooding, good vegetation cover, agricultural uses, large size |
| Hydrologic Control | Function is impacted or degraded | Not within 100–year floodplain, flooding, unrestricted outlets, PEM dominant, agricultural uses with undeveloped land downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | No channel modification upstream, agricultural use, zoned development, PEM dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, large size, moderate buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, no access within 250 feet |
| Recreation | Not appropriate for or does not provide opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, no odors, only 2 Cowardin classes visible, and less than 25% of wetland visibile from any given location |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–9 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Natural vegetated intermittent streams, connected to other wetlands, surrounded by agricultural fields |
| Fish Habitat | Impacted or degraded | No shading vegetation, no fish present, no instream structures, restricted surface water connections |
| Water Quality | Intact | Sparsely vegetated, evidence of some flooding, over 5 acres, surrounded by agriculture |
| Hydrologic Control | Impacted or degraded | Sparsely vegetated, outlets are restricted, surrounded by agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoned for rural residential development, surrounded by agriculture, emergent vegetation |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, degraded fish habitat, natural stream, wider upland buffer needed |
| Education | Potential for educational uses | Public access allowed only by permission, public road nearby, no safety hazards, under 25% of wetland visible |
| Recreation | Is not appropriate or does not provide | Limited public access, no trails, some wildlife habitat , no boating, fishing, or hunting, public access hazards |
| Aesthetic Quality | Wetland is not pleasing | One Cowardin wetland class, natural odors, visual contrast, occasional traffic sounds, under 25% visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–10 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Natural vegetated intermittent stream, connected to other wetlands, surrounded by agricultural fields |
| Fish Habitat | Impacted or degraded | No shading vegetation, no fish present, no instream structures, restricted surface water connection |
| Water Quality | Impacted or degraded | Sparsely vegetated, no evidence of flooding, small area surrounded by agriculture |
| Hydrologic Control | Impacted or degraded | Sparsely vegetated, outlet is restricted, surrounded by agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoned for rural residential development, surrounded by agriculture, emergent vegetation |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, degraded fish habitat, natural stream, wider upland buffer |
| Education | Potential for educational uses | Public access allowed only by permission, public road nearby, no safety hazards, over 50% of wetland visible |
| Recreation | Has potential to provide | Limited public access, no trails, some wildlife habitat , no boating, fishing, or hunting, public access nearby |
| Aesthetic Quality | Wetland is considered to be moderately pleasing | Two Cowardin wetland classes, natural odors, visual contrast, occasional traffic sounds, over 50 % visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–11 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Natural vegetated wet meadow, other wetlands nearby, surrounded by agricultural fields |
| Fish Habitat | Not present | No shading vegetation, no fish present, no stream or pond, restricted surface water connection |
| Water Quality | Impacted or degraded | Emergent vegetation, no flooding, small area, ground water seep, surrounded by agriculture |
| Hydrologic Control | Impacted or degraded | Emergent vegetation, outlet is restricted, surrounded by agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoned for rural residential development, surrounded by agriculture, emergent vegetation |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, no fish habitat, wider upland undisturbed buffer |
| Education | Potential for educational uses | Public access allowed only by permission, public road nearby, no safety hazards, 25–50% of wetland visible |
| Recreation | Has potential to provide | Limited public access, no trails, some wildlife habitat , no boating, fishing, or hunting, public access nearby |
| Aesthetic Quality | Wetland is considered to be moderately pleasing | One Cowardin wetland class, natural odors, visual contrast, occasional traffic sounds |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–12 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Natural vegetated wet meadow, intermittent streams, other wetlands nearby, surrounded by agricultural fields |
| Fish Habitat | Impacted or degraded | No shading vegetation, no fish present, no nearby stream connection, restricted surface water outlet |
| Water Quality | Impacted or degraded | Emergent vegetation, small area, ground water seeps, surrounded by agriculture |
| Hydrologic Control | Impacted or degraded | Emergent vegetation, outlet is restricted, surrounded by agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoned for rural residential development, surrounded by agriculture, emergent vegetation |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, no fish habitat, wider upland undisturbed buffer needed |
| Education | Potential for educational uses | Public access allowed only by permission, public road nearby, no safety hazards, 25% of wetland visible |
| Recreation | Has potential to provide | Limited public access, no trails, some wildlife habitat , no boating, fishing, or hunting, public access nearby |
| Aesthetic Quality | Wetland is not pleasing | One Cowardin wetland class, natural odors, visual contrast, occasional traffic sounds, less than 25% visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–13 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Natural vegetated wet meadow and scrub/shrub, two Cowardin classes, other wetlands nearby |
| Fish Habitat | Not present | No fish present, not connected to a stream or ponds restricted surface water connection |
| Water Quality | Impacted or degraded | Small area, ground water source surrounded by development |
| Hydrologic Control | Impacted or degraded | dominated by emergent vegetation, outlet is restricted, surrounded by agriculture, development |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoned for industrial residential development, surrounde by agriculture, development, emergent vegetation |
| Enhancement Potential | High enhancement potential | Limited wildlife habitat, no fish habitat, ground water source, wider upland buffer needed |
| Education | Potential for educational uses | Public access allowed only by permission, public road nearby, safety hazards, over 50% of wetland visible |
| Recreation | Is not appropriate or does not provide | Limited public access, no trails, some wildlife habitat , no boating, fishing, or hunting |
| Aesthetic Quality | Wetland is not pleasing | Two Cowardin wetland classes, natural odors, visual detractors, continuous intrusive sounds |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-14 |
|---|---|

OFWAM (first edition) completed for NC-14 wetlands as part of the "Wetland Delineation and Mitigation and Permitting and Strategies for the Willamette Industries Mill Site, Philomath, Oregon" (SRI/SHAPIRO and W.E.T. Inc., 1995) report. No OFWAM summary sheets were completed. See report for a discussion of site history and current characteristics.

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-15 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Several Cowardin classes, large size, connected to other wetlands by surface water, surrounding developed land uses |
| Fish Habitat | Function is impacted or degraded | Moderately shaded, perennial stream, modified (culverts), few instream structures, surrounding developed land uses |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, large size |
| Hydrologic Control | Function is intact | Within 100-year floodplain, flooding, restricted outlets, PFO dominant, adjacent to mill site, with developed land use downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, with zoned industrial development, PFO dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, large size, potentially sensitive to impact |
| Education | Has potential for educational use | No public access, hazards (busy road), habitat for some wildlife species, unmaintained access within 250 feet |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting, unmaintained access within 250 feet |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, no odors, noise from mill site only 2 Cowardin classes visible from viewing location |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–16 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides diverse wildlife habitat | PSS and PEM, moderate size, connected to other wetlands by surface water, surrounding undeveloped land |
| Fish Habitat | N/A | |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, undevloped land, |
| Hydrologic Control | Function is impacted or degraded | Not within 100–year floodplain, flooding, unrestricted agricultural (and some developed) uses upslope with developed land use downslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, undeveloped land, with zoned development, PEM dominant |
| Enhancement Potential | Moderate potential for enhancement | Habitat for some wildlife species, surface flow, moderate size and buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, no unmaintained access within 250 feet |
| Recreation | Is not appropriate for or does not provide opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | No visual detractors, no odors, entire area within view, several Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–17 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Perennial stream surrounded by agricultural fields, good variety of vegetation in wetland and half of buffer |
| Fish Habitat | Impacted or degraded | Perennial stream with manipulated channel, culverted potentially contains salmonids, agricultural use in surrounding upland |
| Water Quality | Impacted or degraded | Moderate size, floods, shrubs in portion of wetland agricultural use upstream |
| Hydrologic Control | Intact | Moderate size, floods, dense shrub vegetation, minor restriction, upstream from developed areas |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future industrial development, woody vegetation, stream channel excavated |
| Enhancement Potential | High | Restore stream, diversify habitat, good water source, moderate size, surrounded by agriculture and industry |
| Education | Not appropriate for educational uses | No public access, busy highway, no good viewing point |
| Recreation | Is not appropriate or does not provide opportunities | No public access, no trails no boating, fishing, or hunting |
| Aesthetic Quality | Wetland is not pleasing | Brushy, excavated channels, only small portions can be seen from view points |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-18 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Many Cowardin classes, moderate size, connected to other wetlands by surface water, surrounding residential developement |
| Fish Habitat | Function is impacted or degraded | Well shaded, perennial stream, modified (culverts), few instream structures, surrounded by residential development |
| Water Quality | Function is impacted or degraded | Fed by surface flow, flooding, moderate cover, residential development, moderate size |
| Hydrologic Control | Function is impacted or degraded | Not mapped as 100-year floodplain, flooding, PFO dominant, developed uses with agricultural use (tree plantation) downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, developed land use to edge of zoned public land, woody vegetation dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, narrow buffer, potentially sensitive to impacts |
| Education | Has educational uses | Public access, no hazards, habitat for some wildlife species, viewing available for those with limited mobility |
| Recreation | Provides recreational opportunities | Public access, existing trails, habitat for some wildlife species, no boating, or hunting |
| Aesthetic Quality | Considered to be pleasing | No visual detractors, no odors, naturally occuring sounds (birds, etc), multiple Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–19 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides diverse habitat | Wet meadows, forested, scrub/shrub, perennial stream, large size, some ponding, wide upland buffers |
| Fish Habitat | Intact | Natural stream channel (E. Fk. Newton Creek), shaded, salmonids present, woody stream debris |
| Water Quality | Intact | Large size, floods, vegetated, surface/stream flow, developed upstream, not water quality limited upstream |
| Hydrologic Control | Intact | Large size, floods, outlet has minor restriction, upstream –developed areas, downstream –agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future residential development, surrounded by agriculture, forested and scrub/shrub areas |
| Enhancement Potential | N/A | Diverse wildlife habitat, wide upland buffer, large size, natural stream, fish habitat |
| Education | Not appropriate for educational uses | Limited public access, only a small portion of wetland visible from viewing points |
| Recreation | Has the potential to provide | Limited public access, perennial stream, no boating, fishing, or hunting |
| Aesthetic Quality | Wetland is considered to be moderately pleasing | Three Cowardin wetland classes, natural odors, visual contrast, occasional traffic sounds, natural sounds |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–20 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Emergent, forested, scrub/shrub, perennial stream, large size, some ponding |
| Fish Habitat | Intact | Natural stream channel (Newton Creek), shaded, salmonids present, woody stream debris |
| Water Quality | Intact | Large size, floods, vegetated, surface/stream flow, developed upstream, not water quality limited upstream |
| Hydrologic Control | Intact | Large size, floods, outlet has no restriction, upstream –developed areas, downstream –agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning residential development, surrounded by open space, developed areas; has woody vegetation areas |
| Enhancement Potential | high potential | Some wildlife habitat, needs native upland buffer, large, natural stream, fish habitat |
| Education | has educational uses | Public park, trails, only a small portion of wetland visible from viewing points |
| Recreation | provides | Public access, perennial stream, fishing allowed, no boating or hunting |
| Aesthetic Quality | Wetland is considered to be pleasing | Three Cowardin wetland classes, natural odors, visual contrast, continuous traffic sounds, natural sounds |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–21 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides diverse habitat | Perennial stream with wetlands, wide upland buffer, large size, good variety of vegetation in wetland buffer |
| Fish Habitat | Intact | Perennial stream with mostly natural channel, shaded potentially contains salmonids, in–stream structures |
| Water Quality | Intact | Large size, floods, shrubs and forest, along stream agricultural use in surrounding uplands |
| Hydrologic Control | Intact | Large size, floods, dense woody vegetation, in 100 year floodplain, downstream from developed areas |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future residential development, woody vegetation, stream channel excavated north of wetland |
| Enhancement Potential | N/A | A variety of wetland habitats, perennial water source, large size, surrounded by wide upland buffer |
| Education | Has educational uses | Limited public access, large portion no public access, trails and a park on the edge |
| Recreation | Provides opportunities | Limited public access, some trails no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | Three Cowardin wetland classes visible, natural odors, and sounds, no visual detractors, good visual contrast |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-22 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | PEM, PSS, large size, not connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | N/A | Ditches and shallow, unvegetated swales in agricultural land |
| Water Quality | Function is impacted or degraded | Fed by surface flow, flooding, low amound of vegetation cover, agricultural uses, moderate size |
| Hydrologic Control | Function is impacted or degraded | Not within 100-year floodplain, flooding, PEM dominant, agricultural uses with developed uses upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, agricultural land use, with zoned development, PEM dominant |
| Enhancement Potential | Moderate potential for enhancement | Habitat for some wildlife species, surface flow, moderate size, limited buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, hazards (no sidewalk, steep banks, of ditch), habitat for some wildlife species, no viewing access for those with limited mobility |
| Recreation | Not appropriate for or does not provide opportunities | No public access, no trails, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, no odors, quiet, two Cowardin classes visible |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-23 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | Several Cowardin classes, moderate size, connected other wetlands, surrounding agricultural uses (llama pasture, hay field) |
| Fish Habitat | Function is impacted or degraded | Well shaded, perennial stream, few instream structures, agricultural land uses |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover, agricultural uses, moderate size |
| Hydrologic Control | Function is impacted or degraded | Within 100-year floodplain, flooding, restricted outlets (culvert), PFO dominant, agricultural uses surrounding, forested upslope |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Agricultural use with zoned development |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, good buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, hazard (ditch with steep banks), habitat for some wildlife species |
| Recreation | Not appropriate or does not provide opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be moderately pleasing | No visual detractors, no odors, no intrusive noises, less than 25% of wetland visible from viewing area |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–24 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Perennial stream (Newton Creek) with shrubs and trees, a variety of vegetation, insized channel |
| Fish Habitat | Impacted or degraded | Perennial stream (Newton Creek), some shading along excavated channel, few instream structures, culverts |
| Water Quality | Impacted or degraded | Floods, partially vegetated, surface flow, excavated, developed around, not water quality limited upstream |
| Hydrologic Control | Intact | Moderate size, floods, outlet has a minor restriction, upstream and downstream from developed areas |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future industrial development, surrounded by development |
| Enhancement Potential | High potential | Diversify habitat, provide upland buffer, moderate size, reshape stream channel banks, improve fish habitat |
| Education | not appropriate for educational uses | Industrial development borders wetland, some hazards, small portion of wetland visible, visual and noise detract |
| Recreation | Not appropriate for or does not provide | Limited hazardous public access, no boating, fishing or hunting, surrounded by industrial development |
| Aesthetic Quality | Wetland is not pleasing | One Cowardin wetland class, small portion visible, contrast, continuous intrusive sounds, visual detractors |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–25 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some species | Wet meadow agricultural fields, with scattered shrubs large size, some ponding in the early growing season |
| Fish Habitat | N/A | No stream, lake or pond associated with the wetland |
| Water Quality | Intact | Large size, floods, vegetated, precipitation or sheet flow developed around, not water quality limited upstream |
| Hydrologic Control | Intact | Large size, floods, outlet has a minor restriction, upstream and downstream from developed areas |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future industrial development, surrounded by development |
| Enhancement Potential | Little potential | Diversify habitat, provide upland buffer, large size, flat topography, no fish habitat |
| Education | Has potential for educational uses | Public road borders wetland, some wildlife habitat, whole wetland visible from viewing point, large size |
| Recreation | Not appropriate for or does not provide | Limited hazardous public access, no boating, fishing, or hunting |
| Aesthetic Quality | Wetland is not pleasing | One Cowardin wetland class, unpleasant odors, visual contrast, continuous intrusive sounds, visual detractors |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC-26 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides habitat for some wildlife species | PEM and PSS, moderate size, connected to other wetlands by surface water, surrounding agricultural uses |
| Fish Habitat | Function is impacted or degraded | Mostly not shaded, modified channel (ditched) no structures, agricultural land (hayfield) |
| Water Quality | Function is intact | Fed by surface flow, flooding, good cover (herbaceous), agricultural (hayfield) uses, moderate size |
| Hydrologic Control | Function is impacted or degraded | Not within 100-year floodplain, flooding, restricted outlets, PEM dominant, agricultural uses with undeveloped land downstream |
| Sensitivity to Impact | Potentially sensitive to secondary effects | Channel modification, agricultural land use, with zoned development, PEM dominant |
| Enhancement Potential | High enhancement potential | Habitat for some wildlife species, surface flow, moderate size, narrow buffer, potentially sensitive to impacts |
| Education | Has potential for educational use | No public access, no hazards, habitat for some wildlife species, unmaintained access within 250 feet |
| Recreation | Potential to provide recreational opportunities | No public access, no trails, habitat for some wildlife species, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | No visual detractors, no odors, several Cowardin classes visible, over 50% of wetland visible from viewing area |

# OREGON FRESHWATER WETLAND ASSESSMENT METHODOLOGY

## Function & Condition Summary Sheet for the Oregon Method

| Wetland Code: | NC–27 |
|---|---|

| Function | Evaluation Descriptor | Rationale |
|---|---|---|
| Wildlife Habitat | Provides diverse habitat | Wet meadows, forested, scrub/shrub, several streams, large size, some ponding, wide upland buffers |
| Fish Habitat | Intact | Several natural stream channels, shaded, connects with Newton Creek, salmonids present, woody stream debris |
| Water Quality | Intact | Large size, floods, vegetated, precipitation or sheet flow developed around, not water quality limited upstream |
| Hydrologic Control | Intact | Large size, floods, outlets have minor restrictions, upstream –developed areas, downstream –agriculture |
| Sensitivity to Impact | Potentially sensitive to future impacts | Zoning for future industrial development, surrounded by development on south and southwest |
| Enhancement Potential | N/A | Diverse wildlife habitat, good upland buffer, large size, natural streams, fish habitat |
| Education | Not appropriate for educational uses | Public road borders wetland, no safe public access only a portion of wetland visible from viewing points |
| Recreation | Not appropriate for or does not provide | Limited hazardous public access, no boating, fishing, or hunting |
| Aesthetic Quality | Considered to be pleasing | Three Cowardin wetland classes, natural odors, visual contrast, continuous intrusive sounds, natural sounds |