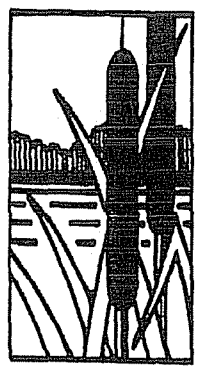
CITY OF VENETA LOCAL WETLANDS AND RIPARIAN INVENTORY



FOR

APPROVED WETLANDS INVENTORY
Oregon Division of State Lands
Meets Local Wet. Inventory standards
Date 5/1/98 Approved by A. Lalka

THE CITY OF VENETA
LANE COUNCIL OF GOVERNMENTS
OREGON DIVISION OF STATE LANDS

APRIL 1998

CITY OF VENETA LOCAL WETLANDS AND RIPARIAN INVENTORY

FINAL REPORT

APRIL 1998

FIELDWORK, MAPPING AND REPORTING
BY
WETLAND SPECIALTIES, INC.
132 East Broadway, Suite 423
Eugene, Oregon 97401
(541) 683-6627 ● Fax (541) 684-9501

Mapping digitized by
Satre Associates, P. C.
132 East Broadway Suite 536
Eugene, Oregon 97401
(541) 465-4721 ● Fax (541) 465-4722

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1.0 INTRODUCTION

On February 19, 1997, the Oregon Division of State Lands (DSL) awarded a grant to the Lane Council of Governments (LCOG) to conduct Local Wetlands Inventories (LWI) in the City of Veneta, Oregon. This community is currently working with the Oregon Department of Land Conservation and Development to (LCDC) update its comprehensive plans. Part of this periodic review requires revisions to Goal 5 (*Open Spaces, Scenic and Historic Areas, and Natural Resources*) of Oregon's Statewide Planning Goals. The objective of this goal is to conserve open space and protect natural and scenic resources. Compliance with Goal 5 requires an inventory of the location, quality and quantity of wetlands within a municipal jurisdiction. The LWI, which attempts to identify the location and assess the quality of all wetlands within the Urban Growth Boundary (UGB), satisfies the requirements of this goal.

In May 1997, Wetland Specialties, Inc. (WSI) and Satre Associates, P.C. (SA) were selected to conduct the LWIs in Veneta. WSI and SA were also hired to inventory and assess the quality of riparian areas within the city. This report presents the results of the wetlands and the riparian inventories conducted in Veneta.

This report begins by discussing the methodology used to conduct the field work for the LWI and the riparian inventory, the methodology used to produce the maps for the inventory, and definitions used in the inventory.

2.0 DEFINITIONS

These definitions were used to conduct the Local Wetlands Inventory and the riparian areas inventory in Veneta and are used in this report.

Wetland — *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)

Wetlands Regulation — *Wetlands in Oregon are regulated by DSL under the Removal-Fill Law (ORS 196.800-196.990) and by the U.S. Army Corps of Engineers (Corps) through Section 404 of the Clean Water Act.*

1987 Manual — The *Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1* (Environmental Laboratory 1987).

This manual is used by the Corps and DSL to document the location of wetlands within the State of Oregon. The 1987 manual provides technical criteria, field indicators, and recommended procedures to be used in determining whether an area is a jurisdictional wetland. Undisturbed areas

require three criteria to be classified as wetland. These criteria are hydric soils, a dominance of hydrophytic vegetation, and wetland hydrology.

Hydric Soils

Soils which are ponded, flooded, or saturated for long enough during the growing season to develop anaerobic conditions.

Periodic saturation of soils causes alternation of reduced and oxidized conditions which leads to the formation of redoximorphic features (gleying and mottling). Mineral hydric soils will be either gleyed or will have bright mottles and/or low matrix chroma. The redoximorphic feature known as gley is a result of greatly reduced soil conditions which result in a characteristic grayish, bluish, or greenish soil color. The term mottling is used to describe areas of contrasting color within a soil matrix. The soil matrix is the portion of the soil layer that has the predominant color. Soils which have brightly colored mottles and a low matrix chroma are indicative of a fluctuating water table.

Hydric soils indicator include: organic content of greater than 50% by volume, sulfidic material or "rotten egg" smell, and/or presence of redoximorphic features and dark soil matrix, as determined by the use of a Munsell Soil Color Chart. This chart establishes the chroma, value and hue of soils based on comparison with color chips. Mineral hydric soils usually have a matrix chroma of 2 or less in mottled soils, or a matrix chroma of 1 or less in un-mottled soils.

Wetland Hydrology

Permanent or periodic inundation or prolonged soil saturation sufficient to create anaerobic conditions in the soil.

Wetland hydrology is related to duration of saturation, frequency of saturation, and critical depth of saturation. The 1987 manual defines wetland hydrology as inundation or saturation within a major portion of the root zone (usually above 12 inches), typically for at least 12.5% of the growing season. 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 other evidence.

Hydrophytic Vegetation

Plant life growing in water or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content.

The U.S. Fish and Wildlife Service, in the *National List of Plant Species that Occur in Wetlands*, has established five basic groups of vegetation based on their frequency of occurrence in wetlands. These categories, referred to as the "wetland indicator status (of individual plants)," are as follows: obligate wetland (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), and obligate upland (UPL).

Indicator Code	Status
OBL	Obligate wetland. Estimated to occur almost exclusively in wetlands (>99%)
FACW	Facultative wetland. Estimated to occur 67-99% of the time in wetlands.
FAC	Facultative. Occur equally in wetlands and non-wetlands (34-66%).
FACU	Facultative upland. Usually occur in non-wetlands (67-99%).
UPL	Obligate upland. Estimated to occur almost exclusively in non-wetlands (>99%). If a species is not assigned to one of the four groups described above it is assumed to be obligate upland.
NI	Has not yet received a wetland indicator status, but is probably not obligate upland.
NOL	Not on list

Growing Season

The portion of the year when soil temperatures at 19.7 inches below the soil surface are higher than biological zero (41°Fahrenheit, 5°Celsius).

The growing season for any given site or location is determined from U.S. Soil Conservation Service (SCS) data and information. The length of the season can be approximated from frost free days, based on air temperature.

Wetland Classification

The classification of wetlands as defined by plants, soils and the frequency flooding is described in "Classification of Wetlands and Deepwater Habitats of the United States" Cowardin et al (USFWS, 1979).

Riverine System

Includes all wetlands and deepwater habitats contained within a channel but not including palustrine emergent, scrub-shrub or forested wetlands, or estuarine systems. The riverine system is generally all freshwater rivers, creeks and their tributaries.

Lacustrine System

Includes areas where there is open water greater than 6.6 feet (2 meters) deep, with an area greater than 20 acres, and which is un-vegetated by trees, shrubs, and persistent emergents, emergent mosses or lichen. Lacustrine waters may be tidal or nontidal, but ocean derived salinity is always less than 0.5%.

Palustrine System

All nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens and all such wetlands that occur in tidal areas where salinity is less than 0.5%. This includes areas traditionally called swamps, marshes and fens, as well as shallow, permanent or intermittent bodies called ponds.

Unconsolidated Bottom

All wetland and deepwater habitats with at least 25% cover of particles smaller than stones, and a vegetative cover less than 30%.

Aquatic Bed

All wetlands and deepwater habitats dominated by plants that grow principally on or below the surface of the water for most of the growing

season in most years. This class includes rooted and floating vascular plants, as well as algal beds and aquatic mosses.

Emergent Wetland *These wetlands have rooted herbaceous vegetation which stand erect above the water or ground surface.*

Scrub-shrub Wetland *Wetlands dominated by shrubs and tree saplings that are less than 20 feet high.*

Forested Wetland *Wetlands dominated by trees that are greater than 20 feet high.*

Local Wetlands Inventory *An inventory of all wetlands greater than 0.5 acres in size within a local jurisdiction using the standards and procedures of OAR 141-86-110 through 141-86-240.*

In 1989, the Oregon State Legislature authorized DSL to develop a statewide wetlands inventory for planning and regulatory purposes. Accordingly, DSL established Local Wetlands Inventory (LWI) standards and guidelines under ORS 196.674. An approved LWI replaces the National Wetlands Inventory (NWI) maps and is incorporated into the statewide wetlands inventory.

An LWI is conducted using color or color infrared aerial photographs taken within 5 years of the inventory initiation and at a minimum scale of 1 inch = 400 feet (1" = 400'). Wetlands are located using the on-site option where access to property is allowed or off-site where access is denied. Wetlands can be mapped off-site by using information such as topographic maps, aerial photographs, soils surveys, and the NWI quadrangles. The approximate location of wetlands at a scale of 1" = 400' is placed on a parcel-based map. The parcel-based map allows the property owner, the local jurisdiction, and DSL, to know which tax lots may contain wetlands.

Wetland Assessment *The evaluation of the relative quality of a wetland by assessing its functions and conditions using the methodology in the* Oregon Freshwater Wetland Assessment Methodology *(OFWAM) (Roth, et. al. 1996).*

Wetland Function *A characteristic action or role associated with a wetland that contributes to a larger ecological condition such as wildlife habitat, water quality and/or flood control.*

Wetland Condition *The integrity of a wetland's physical and biological structure. This determines the ability of the wetland to perform specific functions, as well as its resilience and enhancement opportunities.*

Riparian Area *The area of transition from an aquatic ecosystem to a terrestrial ecosystem adjacent to a river, lake, or stream.*

Riparian areas provide erosion control, sediment filtering, forage and cover for wildlife habitat, as well as food, shade and large woody debris for fish habitat. It also provides water storage.

3.0 PROJECT METHODOLOGY

3.1 Public Involvement

Before commencing the field inventory, the Lane Council of Governments and the City of Veneta mailed letters to selected landowners who may have wetlands on their property. Landowners who had areas of mapped hydric soils, soils with hydric inclusions, NWI mapped wetlands, or suspected wetland areas received a notice to provide consent so that those properties could be accessed.

Landowners who would allow WSI to access their property were requested to give notice to City of Veneta staff. Those not allowing access did not need to take any action, although many landowners were later approached by WSI staff, at which time several granted verbal permission. A parcel-based map of the urban growth boundary of the City of Veneta was prepared to clearly show those parcels where access was approved, denied, or where an appointment was requested. These properties were identified on tax lot maps and a data-based list which were used in the field by WSI staff during the inventory.

One public meeting was held initially on May 29, 1997, to introduce the project to the residents of Veneta. This meeting was held prior to the date required for return of the access consent request forms in an effort to answer any questions that affected landowners may have had for representatives of Veneta, the LCOG, WSI, or DSL.

Additionally, WSI field staff personally contacted residents who had not responded by return of their consent form. This method allowed a much greater percentage of sampling than if a non-consent had been assumed for these residents.

Another public workshop was held during the course of the inventory. The meeting was held on November 12, 1997, to introduce the draft report and wetland mapping and to answer questions from the citizens and affected property owners in the study area.

3.2 Local Wetlands Inventory

3.2.1 Routine Off-site Determination

Prior to onsite visits, off-site mapping was conducted to determine the approximate location of wetland boundaries based on available information. This information included the USGS topographic quadrangles, the *Soil Survey of Lane County Area Oregon* (SCS 1982), the NWI maps, and color aerial photographs at a scale of 1" = 435'.

If access to land was allowed, the wetland boundaries were verified in the field using sampling techniques and aerial photography. If access was not granted, the boundaries were based upon the mapping conducted in the office, on observation of wetland boundaries from adjacent roads or properties, and other reconnaissance conducted while in the Veneta study area.

3.2.2 Routine On-site Determination

Where property access permission had been granted, on-site observation and sampling techniques consisting of inspection of soils, vegetation, and hydrology were made using the Routine Onsite Method of the 1987 Manual. Soil pits were excavated to a depth of approximately 18-inches in selected locations. The soil profiles were examined for hydric soils and wetland hydrology field indicators. A visual percent-cover estimate of the dominant species of the plant community for a maximum 30-foot radius was conducted at each sampling location. Sampling locations were chosen to document a change in the wetland boundary and a particular plant community visible on an aerial photograph. Data was recorded in the field and transferred to computer-generated wetland delineation data sheets in the office. If a prior wetland study had been performed on a parcel of land, the determination was considered to be an on-site determination.

Field work for the inventory was conducted between June 6, 1997 and December 12, 1997. No wetland boundaries were staked or flagged in the field.

3.3 Wetland Quality Assessment

3.3.1 The Oregon Freshwater Wetland Assessment Methodology

The quality of wetlands in the study area, which was separated into 22 units (Appendix I, Figure 11),were assessed using the *Oregon Freshwater Wetland Assessment Methodology* (OFWAM) (Roth et al, 1996). OFWAM was developed by an interagency committee to assess the relative quality of wetlands primarily for planning and educational purposes. OFWAM does not assign a numeric ranking to the wetlands, but does determine the relative quality of six functions and three conditions for each of the wetlands. A description of each of the functions and conditions is included below.

3.3.2 Wetlands of Special Interest for Protection

The first filter in the Oregon Method is to determine whether the wetland is in a management plan, is protected by regulatory rules or statutes, or is uncommon in Oregon. Ten questions are answered for each wetland and a "yes" answer to any of the questions puts the wetland into the "special interest for protection" category. If the wetland falls into this category, it is noted on the wetland characterization sheet.

Wetland Functions

Wildlife habitat: This 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, can provide some habitat for wildlife, or not provide any significant wildlife habitat.

Fish habitat: This evaluates how a wetland contributes to fish habitat in streams, ponds or lakes associated with a wetland. The questions are suitable for both warm water and cold water fish and no particular species is emphasized. All wetlands identified by this study and assessed by OFWAM were determined to have fish habitat function impacted or degraded, lost or not present.

Water Quality: This evaluates the potential of a wetland to reduce the impacts of excess nutrients in stormwater runoff on downstream waters. A wetland's water quality function can be assessed by OFWAM as potentially intact, impacted or degraded, or lost or not present.

Hydrologic control: This evaluates the effectiveness of a wetland to reduce downstream flood peaks and store floodwater. Evaluated altogether, a wetland's hydrologic control functions can be assessed by OFWAM as intact, impacted or degraded, or lost or not present.

Education: This evaluates the potential suitability of a wetland to provide educational opportunity and act as an "outdoor classroom." A wetland assessed by OFWAM can have educational uses, have the potential to provide, or not be at all appropriate for educational uses.

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

Wetland Conditions

Sensitivity to Future Impacts: This evaluates the wetlands ability to sustain itself and determines its ability to recover from future impacts. This identifies indications of risk to the wetland that can be created by potential future changes to the watershed and surrounding land. A wetland can be assessed by OFWAM as sensitive to future impacts or potentially sensitive to future impacts. An example of this would be an undisturbed forested wetland that would be more sensitive to future impacts than a wetland which has already been disturbed, such as agricultural wetland. Moreover, OFWAM

incorporates the consideration of existing zoning to assist in predicting the fate of a wetland. This attempts to analyze the impact to a wetland if the zoned activity were to occur there.

Enhancement Potential: This evaluates the suitability of a degraded wetland for future enhancement. A degraded wetland is deprived of one or more of the above mentioned functions or qualities assessed by OFWAM. A wetland in this condition is of lower overall quality than a wetland that provides, for example, wildlife habitat, fish habitat, etc. Therefore, wetlands which provide such qualities as diverse wildlife habitat were not assessed in this section (per the revised OFWAM). Wetlands are assessed as either high enhancement potential, moderate enhancement potential, or little enhancement potential.

Aesthetic quality: This evaluates the visual and aesthetic quality of the wetland. Wetlands are assessed to be pleasing, moderately pleasing, or not pleasing.

3.3.3 Field Methodology

During the process of determining the wetland/non-wetland boundaries for the Veneta LWI, data were also collected for the process of determining the relative quality of each wetland. Data collected for this purpose are explained on the Wetland Characterization sheets for each wetland studied for the OFWAM. Data collected in the field included the following: 1) the number of wetland classes, 2) the types of agricultural practices, 3) other types of disturbance, 4) the hydrology of the wetland and its hydrological connection to the surrounding landscape, 5) the location of hydrological constrictions, if any, 6) the presence of woody debris, 7) the percentage and type of vegetative cover, 8) where physical observations were made and 9) other information necessary to complete the wetland assessment in the office.

Notes similar to those made for on-site determinations are included in the Wetland Characterization Sheets for the wetlands that were assessed off-site.

3.3.4 Office Assessment

Subsequent to the field work, the data collected for each wetland were used to answer questions for each function and condition. Additional information on the wetlands, the landscape and the general area were gathered in the office. The answers within each function and condition section of the methodology were entered into a computer spreadsheet, which automatically displays the results of the assessment methodology.

Certain criteria were established for the OFWAM assessment prior to beginning. The following is a list of certain standards which were used in answering the questions.

All areas were considered as "urban areas" even though they might be outside the UGB or were in undeveloped areas of the city (Wildlife question 1, 4, and 9; Aesthetics question 6). However areas were considered to be either urbanizing, agriculture, forested or natural area based upon the current land use upstream of the assement area (Hydrologic Control, question 7).

All the wetlands along the branches of the North Fork of Coyote Creek Drainage were considered to have development upstream, due to the urban and residential developments (Hydrologic control, question 6).

3.4 Riparian Inventory

A riparian inventory and assessment were conducted as part of this project for sections of the Long Tom River that were in the project area. Riparian assessments were conducted for representative stretches of drainages which connect wetlands, or are adjacent to perennial streams or lakes.

Riparian areas are transition areas between the aquatic and terrestrial zones. These areas provide a variety of functions, such as wildlife habitat and corridors, flood storage and amelioration, thermal regulation of adjacent waterways, contribution of large woody debris and organic material, erosion control, and bank or slope stabilization. During the riparian inventory, this study assessed not only the physical characteristics, but also the quality of the riparian corridors based on a series of qualitative questions related to riparian functions and conditions.

In order to assess the physical character of the riparian areas, a standardized riparian assessment sheet was developed to summarize channel characteristics, dominant riparian vegetation, and estimated riparian measurements. Channel characteristics include channel width and depth, bank condition, percentage of shade, dominant riparian classification (similar to the Cowardin classification for wetlands), the presence of large woody debris, type of channel substrate, and the degree of human channel modification (e.g., culverted, channelized). The dominant riparian vegetation was listed according to strata, similar to the wetland characterization. Riparian measurements included estimates of riparian width based generally on an estimated horizontal distance from the top of bank to a break in slope, and a horizontal distance to the top of the slope or drainage watershed. In addition, general notes were made about the location of the riparian stretch, associated wetlands, and adjacent land use.

3.5 Riparian Quality Assessment

In addition to the standard assessment sheet, a series of questions relating to riparian functions were developed in order to assess the overall health or functional "value" of the riparian areas. These questions are divided into the following functions: thermal regulation, erosion control, flood control/water quality, and wildlife habitat. As with OFWAM, several of the questions were repeated in different sections, due to the overlap between the functions, and as a means to ensure consistency in the answers. A description of each of the functions is included below.

Riparian Functions

Thermal Regulation: The ability of the riparian area to provide thermal regulation for the adjacent water body. This is important for fish habitat and water quality. Functional assessment is based on the dominant vegetation type and height, percent shade, slope, and degree of disturbance.

Erosion Control: The ability of the riparian area to provide bank or slope stability and sediment removal. This function is dependent on adjacent slope angles, degree of disturbance, bank condition, soil type and percent of vegetation cover.

Flood Control/Water Quality: The ability of the riparian area to withstand flooding, provide floodwater storage and desynchronization of peak flows, and remove sediments and nutrients. This function is dependent on the percent of woody vegetation, the presence of associated wetlands, the width of the riparian area, structural diversity, and the degree of disturbance.

Wildlife Habitat: The ability of the riparian zone to provide food, cover, and nesting areas, protection from predators, and separation from humans. This function is dependent on vegetation diversity, the presence and duration of water, the presence of large woody debris, the presence of associated wetlands, the width of the riparian area, structural diversity, and the degree of disturbance.

An assessment of high, moderate, or low functional value was then derived for each of the riparian areas, based on the sampling and scoring of each of these qualities. Off-site riparian assessments were based on review of aerial photographs and available maps.

3.6 Cartography

Aerial photographs were supplied by the City of Veneta for use in the field. These maps are 1995 true color, and are approximately 1" = 435'. Some of the mapping was created on clear acetate that was overlaid and permanently registered on the photographs. Preliminary wetland boundaries and data point locations were then drawn directly on the acetate in the field. In addition, areas within the project area to which we had permission to enter were drawn on the acetate overlays. These acetate sheets were then removed from the photographs at the completion of field work and scanned into a digital format which could be overlaid onto the base map.

Most of the mapping was done on hard copies of the base maps which were plotted out at 1"=100'. Individual tax lots were printed for use in the field. Reference point were established in the field that could be identified and measured on the base maps. Wetland/non-wetland boundaries were then established on these hard copies of the base maps. These were directly digitized and plotted out by AutoCAD.

The base map information was provided by Lane Council of Governments and the City of Veneta. Base map data included a hard copy and an electronic copy of the parcel-base tax lots, hydric soils, soils with hydric inclusion, the NWI mapping, the project boundary (Veneta UGB, city limits) and various geographic names. No topographic information was available for this project, other than the standard USGS 7.5-Minute Topographic Series. The electronic base information was transferred from a .DXF file to AutoCAD drawing (.DWG) files. The scanned wetland boundaries were then inserted as a separate layer.

Each wetland boundary is represented by a closed polyline with a label point inside of the polyline. Each point has attached attributes, specifically the unique wetland identifier and the wetland's area. Although these attributes are attached, they are only visible in the digital form and not on the hard copy maps.

Where on-site determination was conducted, the sample plots were digitized onto the map. Each sample plot has a label point with an attached attribute, describing its unique identifier. In addition, riparian areas were located and mapped, with attached attributes, describing their unique identifier. Additional mapped entities were the drainage basin boundaries, drainage ways and on-site determination. When on-site determination was conducted on a particular tax lot, the tax lot was hatched with a pattern. Similarly, when a previous study had been conducted on a particular tax lot, a different hatch pattern was applied to that tax lot.

The index map shows the entire study area at 1"=400', the location of the individual sheets (NE, NW, SE, SW) and the townships, ranges and sections of the study area. The wetland names, drainage basins, drainage ways, Veneta UGB, study area , tax lot lines and street names are on the index page. The individual maps are at 1"=200' and show match lines to adjacent quadrants. In addition to the information shown on the index sheet, the individual maps include the sample plots, on-site determination data, prior study data and tax lot labels.

Additionally, AutoCAD generated maps at 1"=100' and were produced to map the wetland/non-wetland boundaries in the field. The acetate sheets and base maps were scanned into a digital format which could be overlaid onto the main base map.

4.0 STUDY AREA CHARACTERISTICS

4.1 Setting

The City of Veneta was incorporated in 1962. It lies eight miles west of Eugene and immediately east of Fern Ridge Reservoir. The City covers an area of approximately 2.44 square miles (1561.6 square acres), which includes Fern Ridge Reservoir (at the east end of Veneta).

In 1970 the population of the City of Veneta was 1,377 persons. The current estimated population of 3,000 includes a high proportion of young families who are chiefly supported by the manufacturing of laminated wood products and retail trade. The city has a public water system and a wastewater system.

Typically, the Veneta area receives fifty-five inches of rainfall. In 1995 the Veneta area received forty-one inches of rainfall between October and March. The wettest month is usually December, with over eight inches of rain in a typical year. In 1996, the City of Veneta area received almost eighty inches of rain, approximately twenty-five inches above normal. From October of 1996 to March of 1997 to date the total rainfall is forty -seven inches, six inches higher than last year and approximately twenty-five inches higher than normal averages for that time period. To date this year from January through September, 1997, the rainfall total is 30 inches, which is a fairly normal average rainfall for this same period in other years (Oregon Weather Bureau).

The climate of Veneta is influenced by its low valley floor position. The mean annual temperature is approximately 45 degrees Fahrenheit. The warmest months are usually July and August, with typical average maximum temperatures of just above 60 degrees Fahrenheit [SCS (NRCS Lane County Soil Survey, 1987)].

4.2 Topography

The topography of the City of Veneta study area is dominated by floodplain geomorphology. The highest elevations are along the top of Bolton Hill Road, which reaches a maximum height of approximately 820 feet. The surface of Fern Ridge Reservoir is approximately 375 feet. The generalized topography and project area boundaries are shown on Figure 2: USGS Topographic Map, Veneta Quadrant, 7.5 Minute Series (Appendix I).

4.3 Hydrology

4.3.1 Hydrologic Features of the City of Veneta Area

Hydrologic features of the City of Veneta area include Fern Ridge Reservoir, the urban appendages known as the various reaches along the North Fork drainage of Coyote Creek (the Lower, Upper, Middle and Primary), the Long Tom River, the McCutcheon Ditch (FR-3 and 4), the ODOT Mitigation Pond (LT-5) and the sewage lagoons (LT-4).

The general flow of drainage north of US Highway 126 is to the northeast toward Fern Ridge Reservoir. The exception to this is in a few low lying areas along the Long Tom River that flow west into the river itself, although the levy along the east bank of the Long Tom is high enough so that most drainage is encouraged to flow to the northeast toward Fern Ridge. Obviously, the Long Tom River itself eventually flows northeast into Fern Ridge as well.

In the narrow area between US Highway 126 and the Southern Pacific Railroad tracks, the flow is due west toward, and intercepted by the Long Tom River. South of this area, the run-off, flowing from the hill in the extreme south part of the study area, drains northward creating the urban North Fork Coyote Drainage Complex.

4.3.2 Drainage Basin Designation

The study area was divided into six minor drainage basins. The names of these drainage basins and their size in acres are listed in Table I below:

Table I
Drainage Basins and Areas
for the Veneta Local Wetland Inventory

Drainage Basin	Area (square feet)	Area (acres)
Long Tom	18069456.0	414.8
Fern Ridge	17298820.9	397.1
Primary - North Fork Coyote Drainage	9419275.1	216.2
Lower - North Fork Coyote Drainage	8200487.5	188.3
Middle - North Fork Coyote Drainage	11462467.9	263.1
Upper - North Fork Coyote Drainage	10197573.4	234.1
Total Project Size	**74648080.8 square feet**	**1713.6 acres**

Hydrologic Indicators

Direct indicators of hydrology observed during the inventory included saturation of the soil at any point from the surface to twelve inches below the surface, inundation or a shallow water table. Indirect indicators include oxidized rhizospheres along living roots and other redoximorphic features, algal mats, water stained leaves or water marks on stems of trees and shrubs, pedestal forming grasses and wetland drainage patterns. All water tables observed during the inventory were assumed to be either apparent (in loam dominated soils) or perched (in clayey soils).

The inventory field work began in early June and continued through September.

4.4 Soils

Table II, below, lists the five soil types that have been mapped within the Veneta study area and the NRCS Soils Survey Map (Figure 4, Appendix I) illustrates the location of these soils.

Table II
Soil Units and Their
Hydric Soils Status for the Local Wetland Inventory

Soil Symbol	Soil Name	Hydric Status
(11)	Bellpine silty clay loam	Non-hydric
(38)**	Dayton silt loam	Hydric
(63)	Jory silty clay loam	Non-hydric
(73)	Linslaw loam	Non-hydric
(79)	McBee silty clay loam	Non-hydric
(85)*	Natroy silty clay loam	Hydric
(98)	Noti loam	Hydric
(128)	Veneta loam	Non-hydric
(134)*	Wapato silty clay loam	Hydric

* Inclusions of Noti loam
** Prior study (Site LT-1)

(11) Bellpine silty clay loam
The Bellpine series consists of moderately deep, well drained soils in convex areas on foothills and uplands adjacent to the Willamette Valley. These soils formed in colluvium and residuum derived from sandstone, volcanic tuff, and breccia. Slopes are 2 to 50 percent. The average annual precipitation is about 45 inches, and the average annual air temperature is 51 degrees F.

(38) Dayton silt loam, clay substratum
Dayton silt loam, clay substratum is a deep, poorly drained soil that occurs in drainageways on broad valley terraces in the Willamette Valley. It formed in stratified clayey and silty mixed alluvium and lacustrine material and exists on slopes of zero to two percent. Areas are irregular in shape and are 40 to 150 acres in size.

The vegetation in areas not cultivated is mainly grasses, wild rose, hawthorn and Oregon ash. This soil occurs at elevations of 300 to 400 feet.

Typically, the surface layer is dark gray silt loam about seven inches thick. The subsurface layer is gray silt loam and silty clay loam about nine inches thick. The subsoil is gray clay about 29 inches thick. The substratum to a depth of 60 inches or more is grayish brown clay.

Included in this unit are small areas of Awbrig, Bashaw, Conser, Courtney, Holcomb, Linslaw, Natroy, Noti and Pengra soils. Permeability of Dayton silt loam is very slow. Run-off is very slow to ponded and the hazard of water erosion is slight. (This soil type was identified by a prior study conducted by WSI and soil scientist Joel Norgren onsite LT-1.)

(63) Jory silty clay loam

Jory silty clay loam is a deep, well drained soil that occurs on low foothills. It formed in colluvium derived from basic igneous and tuffaceous rock. Areas are irregular or elongated in shape and are five to 100 acres or more in size. The vegetation in areas not cultivated is mainly Douglas fir and Oregon white oak, poison oak, tall Oregon grape, and other shrubs and grasses. Elevation is 400 to 1,200 feet.

Typically, the surface layer is dark reddish brown silty clay loam about nine inches thick. The subsoil is dark reddish brown silty clay about 51 inches thick.

Included in this unit are small areas of Bellpine, Dupee and Nekia soils. Included areas make up about 15 percent of the total acreage.

(73) Linslaw loam

Linslaw loam is a deep, somewhat poorly drained soil that occurs along drainageways dissecting old terraces and colluvial fans. It formed in old mixed alluvium and exists on slopes of zero to three percent. Areas are elongated in shape and are three to 80 acres in size. The vegetation in areas not cultivated is mainly grasses, willows, Oregon ash and scattered Oregon white oak, Douglas fir and ponderosa pine. This soil occurs at elevations of 300 to 800 feet.

Typically, the surface layer is very dark grayish brown and dark brown loam about 16 inches thick. The subsoil is pale brown and grayish brown, mottled clay loam about 26 inches thick. The upper part of the substratum is variegated clay 14 inches thick and the lower part to a depth of 60 inches or more is grayish brown sandy clay loam.

Included in this unit are small areas of Noti and Veneta soils. Permeability of this Linslaw soil is slow. Run-off is slow and the hazard of water erosion is slight. This soil is subject to rare periods of flooding.

(79) McBee silty clay loam
McBee silty clay loam is a deep, moderately well drained soil that occurs on flood plains. It formed in recent mixed alluvium and exists on slopes of zero to three percent. Areas are elongated and commonly occur as stringers along abandoned channels. Areas are three to 75 acres in size. The vegetation in areas not cultivated is mainly Douglas fir, black cottonwood and willow. This soil occurs at elevations of 290 to 1,000 feet.

Typically, the surface layer is very dark grayish brown silty clay loam about 24 inches thick. The subsoil is dark grayish brown and brown, mottled silt loam about 17 inches thick. The substratum to a depth of 62 inches is dark brown, mottled silt loam.

Included in this unit are small areas of Chehalis, Cloquato, Newberg and Wapato soils. Permeability of this McBee soil is moderate. Run-off is slow and the hazard of water erosion is moderate. This soil is subject to frequent, brief periods of flooding from November to May.

(85) Natroy silty clay loam
Natroy silty clay loam is a deep, poorly drained soil that occurs in drainageways and other depressional areas on terraces and fans. It formed in mixed, fine-textured alluvium. Slope is zero to two percent. Areas are irregular in shape and are three to 100 acres or more in size. The vegetation in areas not cultivated is mainly rushes, sedges, grasses, and scattered rose, hawthorn and Oregon ash. Elevation is 300 to 700 feet.

Typically, the surface layer is very dark grayish brown silty clay loam about five inches thick. The next layer is very dark gray clay about 21 inches thick. The substratum to a depth of 60 inches or more is dark grayish brown, dark brown, and brown clay and gravelly clay. In some areas, the surface layer is silty clay

Included in this unit are small areas of Bashaw, Courtney and Dayton soils. Permeability of this Natroy soil is very slow. Run-off is slow to ponded, and the hazard of water erosion is slight. The soil is frequently flooded for long periods from November to May.

(98) Noti loam
Noti loam is a deep, poorly drained soil that occurs in swales and drainageways on terraces. It formed in mixed alluvium. Slope is zero to three percent. Areas are long and narrow or are irregular in shape. They are three to 100 acres or more in size. The vegetation in areas not cultivated is mainly Oregon ash, rose, hazelnut, wild blackberry, sedges and grasses. Elevation is 300 to 800 feet.

Typically, the surface layer is very dark grayish brown loam about 9 inches thick. The subsoil is grayish brown mottled loam about 7 inches thick.

Included in this unit are small areas of Dayton, Holcomb, Linslaw, Natroy and Wapato soils. Included areas make up about 15 percent of the total acreage. Permeability of this Noti soil is slow. Available water capacity is about 4 to 7 inches.

(128) Veneta loam

Veneta loam is a deep, moderately well drained soil that occurs on old alluvial terraces and low foothills. It formed in mixed alluvium. Areas are irregular in shape and are three to 400 acres in size. The vegetation in areas not cultivated is mainly Douglas fir, ponderosa pine, Pacific madrone, Oregon white oak, poison oak and other shrubs and grasses. This soil occurs at elevations of 300 to 600 feet.

Typically, the surface layer is dark brown and brown loam about 14 inches thick. The subsoil is dark yellowish brown and strong brown clay loam and clay about 35 inches thick. The substratum to a depth of 60 inches or more is mottled, yellowish brown, gray and light olive brown clay. Some areas have thin layers of sand in the substratum.

Included in this unit are small areas of Bellpine, Linslaw, Noti, Veneta Variant and Willakenzie soils. Permeability of this Veneta soil is slow. Run-off is slow and the hazard of water erosion is slight.

(134) Wapato silty clay loam

Wapato silty clay loam is a deep, poorly drained soil that occurs on bottom lands. It formed in mixed alluvium and exists on slopes of zero to three percent. Areas are long and narrow in shape and are three to 20 acres in size. The vegetation in areas not cultivated is mainly Oregon ash, red alder, black cottonwood, willow, wild rose and sedges. This soil occurs at elevations of 300 to 650 feet.

Typically, the surface is covered with a mat of roots about one inch thick. The surface layer is very dark grayish brown and very dark brown, mottled silty clay loam about 17 inches thick. The subsoil is dark grayish brown and grayish brown, mottled silty clay loam about 16 inches thick. The substratum to a depth of 60 inches or more is gray and dark gray, mottled silty clay. In some areas, the substratum is stratified with coarser textured soil material. Some areas are very poorly drained and have gray mottled above a depth of ten inches.

Included in this unit are small areas of Conser, McAlpin, McBee and Waldo soils. Permeability of this Wapato soil is moderately slow. Run-off is slow to ponded and the hazard of water erosion is slight except during periods of flooding from nearby streams. This soil is frequently flooded for brief periods from December to April.

4.5 Vegetation

4.5.1 Overview

The city Veneta and the study area is located within the White oak Woodland (as characterized by Franklin and Dyrness 1973). This vegetation zone occupies the foothill of the interior valleys. Oregon white oak *(Quercus garryana)* is often the sole dominant in the Willamette Valley, although big-leaf maple *(Acer macrophyllum)*, Douglas fir *(Pseudotsuga menziesii)*, grand fir *(Abies grandis)*, or madrone *(Arbutus menziesii)* may be present. Characteristic understory species for these communities are California hazel (*Corylus cornuta*), poison oak (*Toxicodendron diversiloba*) and swordfern (*Polysticum munitum*). Further discussion of Willamette Valley plant communities within the White oak Woodland can be found in *Natural Vegetation of Oregon and Washington* (Franklin and Dyrness 1973).

4.5.2 Vegetation Communities

Plant communities encountered within the Veneta study area include upland coniferous forest, upland mixed coniferous/ deciduous forest, upland deciduous-scrub/shrub, developed-urban, riparian, and wetland. Wetland communities can be further distinguished as palustrine/ unconsolidated bottom, palustrine/ emergent, palustrine/ scrub-shrub, and palustrine/ forested, following the Cowardin classification system developed for the for the US Fish and Wildlife Service (Cowardin, et al. 1979). Each of the above communities is described in the sections below. Plant communities include most Willamette Valley community types, such as white oak woodland, gallery bottomland forest open prairie grassland uplands (oak savanna) and tufted hairgrass prairie wetland.

Upland Quercus Woodland

The dominant species in the overstory are Oregon white oak, Douglas fir, big-leaf maple and grand fir. Understory plants include hazelnut, ocean spray (*Holodiscus discolor*), Indian plum (*Oemleria cerasiformis*), poison oak, wood rose (*Rosa gymnocarpa*) and snowberry (*Symphoricarpos albus*). Ground cover species include swordfern, sweet cicely (*Osmorhiza chilensis*), sweet cherry (*Prunus avium*) and brackenfern (*Pteridium aquilinum*) in disturbed areas and clearings.

Upland Deciduous - Scrub/Shrub

Shrub communities are often associated with relatively recent disturbance (e.g., after logging, grading, or fire). Dominant species may include saplings of regenerating oak woodland species mentioned above as well as snowberry, sweet cherry, *Rubus* spp., *Rosa* spp., vine maple (*Acer circinatum*) and hazelnut.

Developed - Urban

Plant communities in portions of the study area have been influenced by human activities for most of this century. Developed land in the Veneta study area is mixed residential and commercial. These consist of residences, businesses, commercial

parks, parking areas, roads and sidewalks all represented by unvegetated or landscaped areas. Vegetation surrounding these areas is usually of a horticultural/ornamental nature or of a disturbed/weedy character. The edges of these developed areas may have been allowed to re-establish as Scot's broom (*Cytisus scoparius*) or blackberry thickets. More frequent disturbance may maintain areas as open spaces dominated by weedy grasses and forbs.

Riparian

Riparian forests are often similar to the upland deciduous forests consisting mainly of big-leaf maple, though species preferring wetter sites may be more common, such as Oregon ash (*Fraxinus latifolia*) and rough bluegrass (*Poa trivialis*). The understory consists of ocean spray, snowberry, Douglas' spiraea (*Spiraea douglasii*), hazelnut, sweet cherry and *Salix* spp.

Wetland

Wetland areas are generally transitional between upland or riparian areas and include truly aquatic sites with permanently open water. Open water may or may not be present, in which case the wetland can occupy a position where the groundwater table comes close to the surface for an extended period of time during the growing season.

Palustrine forested wetlands found in low lying areas of Veneta are dominated by species such as Oregon ash, rough bluegrass, red alder, and big-leaf maple. Palustrine scrub/shrub wetlands often include saplings of the above species, along with such shrubs as Sitka willow *(Salix sitchensis)*, Douglas' hawthorn (*Crataegus douglasii*), Douglas' spiraea, and wild rose *(Rosa spp.)*. Palustrine emergent wetlands are dominated by herbaceous species such as slough sedge *(Carex obnupta)*, water parsley *(Oenanthe sarmentosa)*, common rush *(Juncus effusus)*, American brooklime (*Veronica americana*) and water moss (*Fontanalis antipyretica*).

Species lists of commonly encountered plants, along with their status as indicators of wetland conditions, have been prepared for all regions of the country by the USFWS (1988). The status of a particular plant, as discussed in Section 2.0, 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 the true wetland boundaries. In such areas, a species with status of FACU may extend into the wetland areas, just as FACW species may also be present in upland areas.

A non-comprehensive listing of species encountered within the project area, along with their wetland indicator status is included at the end of this report (Figure 7, Appendix I). If the species appeared on the Oregon Natural Heritage Program database this is indicated by an asterisk.

The City of Veneta is located at the base of the Coast Range in the Willamette Valley of the Interior Valleys within the Western Cascades Province. It has been characterized as the *Quercus* Woodland

Zone (Franklin and Dyrness, *Natural Vegetation of Oregon and Washington*,1973). This vegetation zone occupies a low-elevation strip along the Willamette Valley floodplain.

4.6 Uncommon Wetland Plant Communities

Within the broad wetland community types listed above, several uncommon plant assemblages can be found in the City of Veneta study area. The Oregon Natural Heritage Program (ONHP) maintains a statewide database that tracks not only the status of individual plant and animal species, but of increasingly rare plant communities as well (Roth et. al., OFWAM, 1996, Appendix G)(ONHP, 1995). Through linkages with Natural Heritage Program databases from other regions, certain plant communities have been assessed to have global as well as statewide significance; i.e., critically imperiled globally (G1; typically 5 or fewer occurrences), imperiled globally (G2; typically 6 to 20 occurrences), or uncommon but not imperiled (G3; typically 21 to 100 occurrences). Similar designations are given for statewide occurrences (S1, S2, S3). Each assemblage is becoming increasingly scarce for a variety of reasons, which may include competition from invasive plants, motorized recreation, residential development and logging.

TABLE III
Oregon Natural Heritage Program
Listing of Rare, Threatened, or Endangered
Species in the Veneta Local Wetland Inventory

ANIMALS

NAME	Federal Listing	State Listing	ONHP
Painted Turtle *(Chrysemys picta)*		SC	List 2
Northwestern Pond Turtle *(Clemmys marmorata marmorata)*	SOC	SC	List 2
Bald Eagle *(Haliaeetus leucocephalus)*	LT	LT	List 2
Northern Red-Legged Frog *(Rana aurora aurora)*	SOC	SU	

PLANTS

White-topped Aster *(Aster curtus)*	SOC	LT	List 2
Bradshaw's Lomatium *(Lomatium bradshawii)*	LE	LE	List 2

LT = Listed Threatened SC = Sensitive Critical SU = Sensitive Undetermined
SOC = Species of Concern LE = Listed Endangered
List 2 = Species which are threatened, endangered, or possibly extirpated from Oregon, but are more common or stable elsewhere

4.7 Rare, Threatened, and Endangered Species

As stated in Section 4.6, the Oregon Natural Heritage Program (ONHP) maintains a statewide database for individual plant and animal species as well as plant communities. The sensitivity of species to various influences, regardless of origin, is monitored through many sources, including public agencies, academic institutions, and private groups. Trends are reevaluated periodically to assess whether an individual species warrants legal protection under the federal and state Endangered Species Act.

Sensitive Plants

The ONHP provided a database-derived list of plants known or expected to occur within a two mile radius of the City of Veneta study area. A listing of these species is included in Table III. Additionally, the ONHP findings are included in Appendix I, Figure 10.

However, communities that have a relatively high priority for conservation efforts and that were encountered during the field investigation include two *Populus trichocarpa* alliance assemblages. The *Poulus tricocarpa/Crataegus douglasii* riparian (G1S1) and the *Populus tricocarpa/Cornus stolonifera* riparian (G2S1). These were documented in the Long Tom basin at LT-1, 7 and 8 and at P-5 along the Primary Coyote Drainage basin. Two representatives of the *Rosa nutkana* Alliance: *Rosa nutkana/Oenanthe sarmentosa* shrub swamp (G2S2) assemblage and *Rosa Nutkana/Deschampsia cespitosa* (G2S2). The shrub swamp Nootka rose/water parsley was located at LT-2, 3, 4 and 5 and the Upper North Fork wetland U-6. The *Rosa Nutkana/Deschampsia cespitosa* (G2S2) were discovered at FR-3 and FR-4. In several places, especially north of US Highway 126, the *Deschampsia cespitosa* valley prairie (G2S2) representative of the *Deschampsia cespitosa* Alliance occurred in the study area. There were several isolated occurrences of the *Carex unilateralis/Hordeum brachyantherum*, (CEGL001830 VIIIc2d-G2S2) the one-sided sedge-meadow barley valley grassland assemblage. These were identified at wetlands in the Fern Ridge basin: FR-3, 4, 5 and 6. The vernal pool alliance consisting of *Downigia elegans* and *Eleocharis* (blue calico flower and spikerush G2S2) was found in and along the ditch flowing through wetlands FR-3 and FR-4. Often, one, two, or occasionally all three spikerush species would be present. California oatgrass *Danthonia californica* was encountered although it was not found with red fescue (*Festuca rubra*) G2S2. Rattlesnake fern was found on P-1, along the eastern part of the northernmost drainageway.

There were a few interesting occurrences of plants that are uncommon in this region that were encountered during the field examination. Among these were *Sphagnum angustifolium* found at PNFCD-1 and *Gentiana sceptrum*. These two species most typically occur either at higher elevations in the Cascades or in coastal habitats.

The only sensitive species encountered during the field study was the Willamette Valley daisy (*Erigeron decumbens*). This was found only in the Fern Ridge Basin of the study area. Willamette Valley bittercress (*Cardamine penduliflora*), an endemic species to the Willamette Valley of Oregon was also discovered in the Fern Ridge Basin of the study area.

Sensitive Animals

Threatened, endangered, rare or sensitive animal species were included on the ONHP database printout, the results of which can be found in Figure 10, Appendix I.

Further determination of the presence or absence of these species (or of their habitat) was not within the scope of work of the Veneta Local Wetland Inventory.

4.8 Wildlife

The City of Veneta study area provides valuable habitat for a variety of wildlife species due to the range of vegetation, proximity to Fern Ridge Reservoir and the Long Tom River. Large animals include coyote and deer. A list of fish, wildlife and bird species likely to inhabit the area is included as Figure 6, Appendix I.

5.0 LWI DISCUSSION AND CONCLUSIONS

5.1 U.S. Fish & Wildlife Service NWI Areas

The largest percentage of the wetlands within the study area are classified as palustrine emergent (PEM) and palustrine scrub-shrub (PSS).

The majority of the wetlands mapped by the NWI are palustrine forested (15.4%), palustrine emergent (46.6%) and palustrine scrub-shrub (25.7%).

5.2 Local Wetlands Inventory Results

5.2.1 Wetland Acreage and Distribution

A total of 52 wetland units were identified in the project area: nine (9) wetlands in the Long Tom; seven (7) in the Fern Ridge; six (6) in the PNFCD; thirteen (13) in the LNFCD, eight (8) in the MNFCD; and nine (9) in the UNFCD. Total wetland acreage is approximately 203.15 acres. Only 17% of the wetlands were determined off-site, with the majority (83%) being onsite determinations. Nine (9) of the wetlands are larger than five acres in size, eleven (11) are between one and five acres in size, and thirty-two (32) are less than one acre. The largest wetland unit in the project area is FR-5 which is 29.77 acres.

5.22 Wetland Classification

Table IV lists the Cowardin wetland classifications and acreages found within the City of Veneta study area. The majority of the 203.15 acres of wetlands in the project area can be classified as palustrine emergent (46.6%), with palustrine scrub-shrub making up an additional 25.7%. The remainder were palustrine unconsolidated bottom (0.3%), palustrine forested (15.4%), palustrine emergent (artificially excavated) (1%) and palustrine unconsolidated bottom (artificially excavated) (11%). Table V summarizes the wetland classifications.

TABLE IV

Wetland Classifications and Acreages

Within the Veneta Local Wetland Inventory

Code	USFWS Wetland Classification						Total Acreage
	PUB	PUBx	PEM	PEMx	PSS	PFO	
LT-1E			.11		.34	.11	.56
LT-1W			.79		2.36	.79	3.94
LT-2		1.44	7.22		4.33	1.44	14.44
LT-3			3.56		3.82	5.79	13.17
LT-4		13.86	2.45				16.31
LT-5		2.41	.35		.70		3.46
LT-6		4.44		2.02	1.62		8.08
LT-7	.14					.44	.58
LT-8	.03					.06	.09
FR-1			.40		.05		.45
FR-2			.16		.02	.02	.20
FR-3			9.13		6.08		15.21
FR-4			15.22		10.14		25.36
FR-5			17.86		8.93	2.98	29.77
FR-6a			7.02		2.34		9.36
FR-6b			14.27		1.68	.84	16.79
PNFCD-1			2.51		3.92	5.75	12.18
PNFCD-2			.16			.66	.82
PNFCD-3			.13			.53	.66
PNFCD-4			.06			.13	.19
PNFCD-5			.14		.19	.22	.55
PNFCD-6			.49				.49
LNFCD-1a			.25		.37	.62	1.24
LNFCD-1b			.40				.40
LNFCD-2			.50		.26	.51	1.27
LNFCD-3a			.41				.41
LNFCD-3b						.25	.25
LNFCD-4	.20		.46			1.20	1.86
LNFCD-5	.04		.21		.34	.25	.84
LNFCD-6			.72		.47	1.21	2.40
LNFCD-7			.13		.20	.33	.66
LNFCD-8			.20		.30	.49	.99
LNFCD-9			.13		.26	.49	.88
LNFCD-10	.09		.23		.27	.32	.91

Code	USFWS Wetland Classification						Total Acreage
	PUB	PUBx	PEM	PEMx	PSS	PFO	
LNFCD-11			.39			.39	.78
MNFCD-1a			1.27			1.27	2.54
MNFCD-1b			.78		.53		1.31
MNFCD-2			.61		.24	.24	1.09
MNFCD-3			.12			.50	.62
MNFCD-4	.07		.34			.21	.62
MNFCD-5			.17		.26		.43
MNFCD-6			1.60			.53	2.13
U-1a			.06			.53	.59
U-1b			.48				.48
U-2a			.26		.15	.26	.67
U-2b			1.36		.26	.08	1.70
U-3			.48		.12	1.81	2.41
U-4			.53		.97		1.50
U-5			.04		.18		.22
U-6	.06		.06		.22	.22	.56
U-7			.07		.29	.37	.73
TOTAL*	**.63**	**22.15**	**94.29**	**2.02**	**52.21**	**31.84**	**203.15**

M1-

*Totals are rounded to .01

		(# of acres)
PEM	Palustrine emergent	94.29
PFO	Palustrine forested	31.84
PSS	Palustrine scrub shrub	52.21
PUB	Palustrine unconsolidated bottom	.63
PUBx	Artificially excavated palustrine unconsolidated bottom	22.15
PEMx	Artificially excavated palustrine emergent	2.02
	Total Wetland Area:	**203.15 acres**

Table V
Summary of Wetland
Classifications for the
Veneta Local Wetland Inventory

Wetland Classification	Area (acres)	Percent of Total Wetland Areas
PEM	94.68	46.6
PEMX	2.02	1.0
PUB	0.63	0.3
PUBX	22.15	11.0
PSS	52.34	25.7
PFO	31.32	15.4
TOTAL	203.15	100

Appendix II includes a Wetland Characterization Sheet for each inventoried wetland. This summarizes the plant communities, Cowardin classes, hydrology, location, general notes about adjacent upland areas, and agricultural uses. Table VII, on the following page, presents the percentage of wetland types present at each wetland by Cowardin Classification. Table VI lists the total net acreage of each drainage basin, as well as the percentage of wetland acreage in the Veneta study area.

Table VI
Total Net Acreage of
Each Drainage Basin in the
Veneta Local Wetland Inventory

Drainage Basin	**Basin Acreage**	**Upland Acreage**	**Wetland Acreage**	**Percentage of Wetlands in Basin**
Long Tom	414.8	354.17	60.63	14.62
Fern Ridge	397.1	299.96	97.14	24.46
PNFCD	216.2	201.31	14.89	6.89
LNFCD	188.3	175.41	12.89	6.85
MNFCD	263.1	254.36	8.74	3.32
UNFCD	234.1	225.24	8.86	3.78
Total Project Acreage	**1713.6**	**1510.45**	**203.15**	**11.90**

Wetland Acreage = 203.15 Total Acreage = 1713.60 Percentage of Acreage that is Wetlands = 11.90

Table VII
Percentages of Wetland Types
Present at Each of the Wetland Assessment Units

Wetland Code	USFWS Wetland Classification					
	PUB	PUBx	PEM1C	PEM2C	PSS1C	PFO1C
LT-1	4			3	2	3
LT-2	4		2	2	3	2
LT-3			3		3	3
LT-4		1		4	1	
LT-5		1		4	4	
LT-6		1	2	2	4	
LT-7	3					1
LT-8	2					1
FR-1	4		4	2	4	
FR-2	4		2	1	4	4
FR-3			2	2	3	
FR-4			2	2	3	
FR-5			2	2	3	4
FR-6a	4	4	2	1	3	4
FR-6b	4	4	2	1	4	4
PNFCD-1			3		3	2
PNFCD-2			4		3	2
PNFCD-3			3			1
PNFCD-4			3			1
PNFCD-5			3	3	3	3
LNFCD-1			3	4	3	2
LNFCD-2				1		
LNFCD-3			1			
LNFCD-4	4		3			2
LNFCD-5	4		3	3	3	3
LNFCD-6			3	3	4	2
LNFCD-7			3	3	3	2
LNFCD-8			4	3	3	2
LNFCD-9	4		4	4	3	2
LNFCD-10	4		3	3	3	3
LNFCD-11	3			2		2
MNFCD-1a			2	2		2
MNFCD-1b			2	2	2	
MNFCD-2				2	4	4
MNFCD-3			4	4		1
MNFCD-4	4		3	3		2
MNFCD-5	4		3	3	3	4

Wetland Code	USFWS Wetland Classification					
	PUB	PUBx	PEM1C	PEM2C	PSS1C	PFO1C
MNFCD-6			1			3
U-1			4			1
U-2			2	1	4	4
U-3			3		4	1
U-4			3	3	2	
U-5			4	4	1	
U-6	3			4	2	3
U-7				4	3	2

Legend

Range of percentage of occurrence of wetland types
1=70-100%
2=50-70%
3=20-50%
4=10-20%

Wetland type codes
PUB= Palustrine open water unconsolidated bottom
PUBx= Artificially created PUB
PEM1C= Palustrine emergent persistent* seasonally flooded
PEM2C= Palustrine emergent non-persistent** seasonally flooded
PSS1C= Palustrine shrub scrub, broad leaf deciduous*** seasonally flooded
PFO1C= Palustrine forested broad leaf deciduous**** seasonally flooded

* Dominated by overwintering or evergreen grasses and forbs. e.g., sedges, rushes, cattails.

** Dominated by annual species or species that die back in winter, e.g., grasses and all forbs, but not ferns or mosses

*** Dominated by shrub species that lose their leaves, e.g., spiraea, dogwood, willows, wild pear, apple, hawthorn and wild rose.

**** Dominated by tree species that lose their leaves in winter, e.g., Oregon ash, cottonwood, alder.

5.3 Oregon Freshwater Wetland Assessment Methodology Results

5.3.1 Wetlands of Special Interest for Protection

Each of the wetlands were assessed according to the ten questions in this section of the Oregon Method. Due to the limited access in the project area, certain questions regarding the presence of federal or state listed threatened, endangered or sensitive species (Question 1) were answered "no" or "unknown" for the majority of the wetlands. Questions 2 through 9 were answered "no" for all the wetlands. These questions relate to existing management plans, conservation plans, protected mitigation areas, critical habitat, and wetland reserve areas. Question 10 is related to the presence of uncommon wetland plant communities in Oregon. These plant communities are listed in Appendix G of OFWAM. A "yes" answer places these wetlands in the "Wetlands of Special Interest for

Protection" category and management decisions should be made to protect the sites. It is possible that other wetlands in the study area may also contain uncommon wetland plant communities, however, due to the lack of site access, they may not have been readily observed.

5.3.2 Wetland Quality Assessment

An assessment of the quality for each of the forty-eight wetlands identified through the inventory was conducted using the *Oregon Freshwater Assessment Methodology* (OFWAM) (Roth et al, April 1996). OFWAM assesses six (6) functions and three (3) conditions, as described in Appendix II contains the results for each of the wetlands assessed by the methodology and a summary sheet of the functions and conditions results, and the rationale for the results.

Although OFWAM provides qualitative information on the relative value of wetlands and does not have a numerical ranking, numbers were assigned to the assessment criteria in order to easily compare the results. (Figure 8, Appendix I) is a key to the numbers assigned to the assessment criteria for each of the functions and conditions. A number 1 was assigned to wetlands receiving highest function or condition result (e.g., intact, diverse), a number 3 was assigned to the wetlands receiving the lowest result (lost or not present, not appropriate), and a 2 was assigned to the results which do not fit the other criteria (potential, impacted or degraded). Table VIII, on the following pages shows the results of the assessment conducted on all of the wetlands identified through the inventory using the above numerical ranking.

Some functions or conditions were not applicable to certain wetlands. For instance, the methodology states that if a wetland receives an assessment of "diverse wildlife habitat" the enhancement potential assessment is not applicable. In addition, if there was no likelihood of fish habitat in the wetland, the fish habitat assessment was not completed. In general, the wetlands in the project area are all of relatively high quality due to the proximity of open water, the variety of wetland types and associated uplands, and the large areas of undeveloped "open space." All of these factors increase the wildlife and fish habitat value and the aesthetic quality functions of the wetlands.

None of the wetlands are known to support fish species. None of the wetlands associated with the NFCD complex received the lowest assessment (function lost or not present) for the fish or wildlife habitat sections, due to the connections to other wetlands. Fish and wildlife habitat may have been impacted or degraded if the wetland was located in a developed area, had minimal buffers, or had been disturbed or modified, such as an excavated pond. In addition, fish habitat was either not assessed as wetland if wetland was not appropriate for supporting fish habitat, or if it was appropriate it was in every case assessed as not having fish species present. Even the water courses, which could potentially provide fish habitat, were assessed as not providing suitable habitat due to the high degree of manipulation and impact disturbance to these systems.

Fern Ridge is listed as a water quality limited water-body on the Oregon Department of Environmental Quality 303(d) list due to Turbidity and Water Contact Recreation (Fecal Coliform) - annual (DEQ, 1998, see Figure 12). This had an impact to a select part of the OFWAM in which questions were focused on water quality limited water bodies downstream to wetlands in the study area. However, the OFWAM is mostly interested in water quality limited stream reaches or water bodies that are water quality limited upstream to the wetland.

Table VIII

Oregon Freshwater Wetland Assessment Methodology
Numerical Ranking Results for Veneta Local Wetlands Inventory

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Total	Size (acres)
A	2	2	2	1	2	1	3	3	3	19	16.31
B	2	2	1	1	2	1	2	3	2	16	27.61
C	2	NA	1	1	2	1	2	3	2	14	3.94
D	2	NA	3	3	2	3	3	3	3	22	.56
E	1	2	1	1	2	2	2	3	2	16	96.49
F	2	2	2	2	2	1	3	2	3	19	3.46
G	2	NA	1	2	3	1	2	3	3	17	8.08
H	2	2	2	2	2	1	3	3	1	18	.58
I	2	2	2	3	2	1	3	3	1	19	.09
J	2	NA	2	2	2	1	3	3	2	17	.20
K	2	NA	2	1	2	2	3	3	2	17	.45
L	2	2	1	2	2	1	3	3	3	19	.67
M	2	2	1	1	2	1	3	3	2	17	9.34
N	1	1	1	1	2	1	2	2	3	14	13.30
O	2	2	1	2	2	1	3	3	3	19	2.53
P	2	2	2	1	2	1	3	3	2	18	7.45
Q	2	2	2	2	2	1	2	3	3	19	1.27
R	1	2	1	2	2	1	3	2	2	16	1.64
S	1	2	1	1	2	1	3	3	3	17	3.85
T	1	2	1	2	2	1	3	2	1	15	4.89
U	2	2	1	2	2	1	3	3	2	18	N/A
V	1	2	1	1	2	1	2	2	2	14	1.07

Key to the Assessment Units

Assessment Code	Associated Wetlands	Assessment Code	Associated Wetlands	Assessment Code	Associated Wetlands
A	LT-4	I	LT-8	Q	L-2
B	LT-2, LT-3	J	FR-2	R	L-1a, L-1b
C	LT-1 - West	K	FR-1	S	M-1a, M-1b
D	LT-1 - East	L	U-2a	T	M-2, M-3, M-4, M-5, M-6
E	FR-3, FR-4, FR-5, FR-6a, FR-6b	M	U-2b, U-3, U-4, U-5, U-6, U-7, P-2, P-3, P-4, P-5	U	M-7
F	LT-5	N	P-1, P-6	V	U-1a, U-1b
G	LT-6	O	L-7, L-8, L-9		
H	LT-7	P	L-3a, L-3b, L-4, L-5, L-6, L-10, L-11		

Determined onsite and offsite wetland acreage is presented below in Table IX:

Table IX
Determined Onsite and Offsite
Wetland Acreage

Wetland Code	Percent Onsite	Percent Offsite	Total Wetland Acres	Acres Determined Onsite
LT-1 E	100		.56	.56
LT-1 W	100		3.94	3.94
LT-2	100	0	14.44	14.44
LT-3	20	80	13.17	2.63
LT-4	100	0	16.31	16.31
LT-5	100	0	3.46	3.46
LT-6	100	0	8.08	8.08
LT-7	100	0	.58	.58
LT-8	100	0	.09	.09
FR-1	0	100	.45	0
FR-2	25	75	.20	.05
FR-3	95	5	15.21	14.45
FR-4	100	0	25.36	25.36
FR-5	95	5	29.77	28.28
FR-6A	100	0	9.36	9.36
FR-6B	100	0	16.79	16.79
PNFCD-1	100	0	12.18	12.18
PNFCD-2	0	100	.82	0
PNFCD-3	0	100	.66	0
PNFCD-4	100	0	.19	.19
PNFCD-5	50	50	.55	.28
PNFCD-6	0	100	.49	0
LNFCD-1a	15	85	1.24	.2
LNFCD-1b	0	100	.40	0
LNFCD-2	0	100	1.27	0
LNFCD-3a	0	100	.41	0
LNFCD-3b	0	100	.25	0
LNFCD-4	0	100	1.86	0
LNFCD-5	0	100	.84	0
LNFCD-6	100	0	2.4	2.4
LNFCD-7	0	100	.66	0
LNFCD-8	0	100	.99	0
LNFCD-9	0	100	.88	0
LNFCD-10	0	100	.91	0
LNFCD-11	40	60	.78	.31
MNFCD-1a	100	0	2.54	2.54
MNFCD-1b	70	30	1.31	.92
MNFCD-2	100	0	1.09	1.09

Wetland Code	Percent Onsite	Percent Offsite	Total Wetland Acres	Acres Determined Onsite
MNFCD-3	0	100	.62	0
MNFCD-4	60	40	.62	.37
MNFCD-5	100	0	.43	.43
MNFCD-6	0	100	2.13	0
UNFCD-1a	86	14	.59	.51
UNFCD-1b	0	100	.48	0
UNFCD-2a	0	100	.67	0
UNFCD-2b	13	87	1.70	.22
UNFCD-3	0	100	2.41	0
UNFCD-4	54	46	1.50	.81
UNFCD-5	100	0	.22	.22
UNFCD-6	100	0	.56	.56
UNFCD-7	95	5	.73	.69
TOTALS	**82**	**18**	**203.15**	**168.07**

*Note: Sites studied previously are shaded

6.0 RIPARIAN DISCUSSION AND CONCLUSIONS

6.1 Riparian Inventory Results

Four riparian inventory points were placed along the Long Tom River in the project area (Appendix II). Each riparian inventory point was assigned a code with a prefix RI-"#" and numbered one through four. A data sheet was created for each inventory point. These data sheets document the existing channel conditions and vegetative conditions and estimate riparian measurements. The assessments were based on direct field observation. The riparian areas were assessed with a combination of on-site observation, aerial photographs, and the USGS topographic maps.

Riparian zones on the portion of the Long Tom within the study area varied from thirty to one hundred and fifty feet in total width. The riparian zones include the stream channel and the riverine vegetation and topography that extends beyond that.

6.2 Riparian Assessment Results

The riparian inventory formed the basis for the riparian quality assessment. A series of questions were answered relating the riparian functions. Questions generally are answered "A" for higher quality or more pristine areas, and "C" for disturbed or lower quality riparian zones, similar to OFWAM. A majority of "A" answers received a high value rating;

Due to the cattle grazing, steep banks, and low percentage of vegetative cover usually due to erosion from cattle disturbance nature of the project area, the majority of the riparian areas were assessed as having moderate functional values for thermo-regulation and erosion control. Wildlife habitat and flood control receives high values due to wetland adjacent, broad floodplain debris in stream and woody vegetation. The riparian areas are listed with quality assessment results in Table X below.

Table X
Summary of Riparian
Quality Assessment Results
for the Veneta Local Wetland Inventory

Riparian Code	Thermal Regulation	Erosion Control	Flood Control Water Quality	Wildlife Habitat
R-1	moderate value	moderate value	high value	high value
R-2	moderate value	moderate value	high value	high value
R-3	moderate value	moderate value	moderate value	moderate value
R-4	high value	moderate value	high value	high value

7.0 PROJECT SUMMARY

- Wetland Specialties, Inc. was selected in May 11, 1997 to conduct a Local Wetlands Inventory and Riparian Inventory for the City of Veneta, Oregon.

- Field work for the project was conducted between June and December 1997. Each wetland was assigned a code based on drainage basin and a wetland characterization and wetland assessment was done for each wetland. The wetland assessment was based on the April 1996 version of the *Oregon Freshwater Wetland Assessment Methodology.*

- Due to good project area access, the majority (82%) of the inventory work was on-site (including prior studies). Only 18% of the wetlands were determined from off-site determinations.

- A total of 52 wetlands were identified in the City of Veneta project area, totaling approximately 204.65 acres. The largest wetlands are associated with Fern Ridge Reservoir FR-4 (25.36 acres) and FR-5 (29.77 acres)).

- The majority of the wetlands (46.5%) are palustrine emergent, with palustrine scrub-shrub as the second largest majority (25.8%).

- The majority of the wetlands are of moderate quality, based on OFWAM results. This is due to the degree of channelization, grazing disturbance, urbanizing influences and lack of suitable wildlife habitat, especially fish species.

- An uncommon wetland plant community of *Sphagnum/Hypericum anagaloides* (bog St. John's wort) was observed in one location, P-NFCD-1 and *Sphagnum* occurred in association with more common wetland plants in two other locations. *Gentian sceptrum* (king gentian) was encountered at several sites. All three of these species are more typically found at higher elevations or in coastal habitats.

- The riparian inventory identified and assessed four areas associated with the Long Tom River. The assessment generally yielded moderate values for thermoregulation and erosion control and high values for flood control, water quality and wildlife habitat.

8.0 REFERENCES

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U.S. Fish and Wildlife Service *NWI* maps (Veneta and Noti, Quadrangles).

U.S. Geological Survey topographical map (Veneta and Noti 7.5 Minute Quadrangles, Provisional Edition, 1984).

Appendix I

LIST OF FIGURES

FIGURE 1a. LIST OF PROPERTIES
FIGURE 1b. LIST OF OFFSITE DETERMINED PROPERTIES
FIGURE 2. USGS TOPO MAP
FIGURE 3. NWI MAP - VENETA QUAD
FIGURE 4 NRCS SOILS SURVEY MAP
FIGURE 5. LIST OF ABBREVIATIONS
FIGURE 6. WILDLIFE LIST
FIGURE 7. PLANT LIST
FIGURE 8. KEY TO THE OFWAM NUMERICAL RANKING
FIGURE 9. SUMMARY OF FIELD DATA SHEETS
FIGURE 10. ONHP FINDINGS
FIGURE 11. WETLAND ASSESSMENT UNIT CODE LIST
FIGURE 12. GLOSSARY

Figure 1a. Veneta Local Wetland Inventory List of Properties in the Wetland Study Area

September 1997

TAX LOT NUMBER	ADDRESS	NAME	CONSENT
17053000 902*	Jeans Rd	Cheryl A. Sproat	no
903	25405 Jeans Rd	Fred & Carolyn Stigall	yes
17053100 100*	Huston Rd	Barry A. & K. Pasternak	yes
304	25454 Hunter Rd	Delbert & Kay Hackerman	no
400	25412 Hunter Rd	Robert & Ardis Stanley	no
401	25366 Hunter Rd	Charles & Julia Peterson	yes
500	25446 Hunter Rd	David & Lorri Duckett	no
501	25444 Hunter Rd	Dennis & Carol Luxford	no
503*	Baker Lane	Eugene Rouch, Jr.	no
17053110 501	Hwy 126	Alan Maxwell	no
17053130 204	25322 Hunter Rd	Margaret Crosthwaite (Shigeto & Margo Fukuji)	yes
300*	Behind 25264 Hunter Rd	Pete J. & Joyce A. Smith	no
301	25280 Hunter Rd	Richard & Josi Lewis	yes
400	25240 Hunter Rd	Doris May Fauble	yes
500	25232 Hunter Rd	Doris May Fauble	yes
600	25214 Hunter Rd	Doris May Fauble	yes
700	25194 E Hunter Rd	Samuel N & Iva E Welton	yes
17053130 1900	88017 Territorial Rd	Bruce A & Myrna Kelley	no
2001	25107 E Bolton Rd	Deloris Marie Roberts Impecoven	no
2004*	E Bolton Rd	Deloris Marie Roberts Impecoven	no
2201	25161 E Bolton Rd	George R Bradford	no
2300	25185 E Bolton Rd	Elray L & Dorothy Rosdahl	verbal yes--
2301	25183 E Bolton Rd	Kathryn L Hackett Bales	no
2400	25191 E Bolton Rd	Lane Richardson & Maryhelen Sams	no

TAX LOT NUMBER	ADDRESS	NAME	CONSENT
17053130 2401	25197 E Bolton Rd	Mary Esther Foster	no
2501*	E Bolton Rd (behind 25209)	Delbert S. Jones ETAL	no
2502*	E Bolton Rd (east of 25209 E Bolton Rd)	Darin Gorham	no
2503	88005 Pine St	Robert C & Elle Barthel	yes
2506*	West of 25209 E Bolton Rd	Delbert S. Jones ETAL	no
2600	25221 E Bolton Rd	Robert W. Demers, Jr.	yes
3601*	Landlocked south of Veneta Mobile Home Park	Walter & T Bechtol ETAL	no
3800	25264 E Bolton Rd	Roy & Kathy Slaven	no
3801	25258 E Bolton Rd	Aric & Ann Frydendall	yes
3900	25247 Bolton Rd	Eleanor McCaffrey	yes
4000	25253 E Bolton Rd	Frederick D & K A Maddox	yes
4100*	E Bolton Rd (south of 25253 E Bolton Rd)	McDougal Bros Investment	no
4900	87851 Territorial Rd	Gale H. Seits ETAL	yes
17053220 1601	88097 Huston Rd	William L & Carmen Ohlson	yes
17063600 100*	West of WL Center	Babb Properties-Bert Babb	yes
200		City of Veneta	yes
300		City of Veneta	yes
400		Forrest G Larson	yes
500*	80 ft R-O-W for ext of 8th	City of Veneta	yes
600		Larry M Larson	no
700		City of Veneta	yes
17063613 7500	88122 8th (blue house at end of 8th)	Christopher W Jackson	no
17063624 100*	Dunham Ave	Wayne S Boden	yes
500*	Dunham Ave (behind 24781 Dunham)	Oregonians in Action	yes
17063631 100*	Sertic Rd	Chris & Lori Jackson	no
18050620 400	end of Cherry St	Spiros J. Coven 4796 Terra Lee Lane/Eugene	no
600	25215 Perkins Rd	Delbert S Jones ETAL	no
1700*	Perkins Rd - 25168 Perkins	Rudy Powell & Dan Allsup	no

TAX LOT NUMBER	ADDRESS	NAME	CONSENT
18050620 2100	25102 Perkins Rd	Lucy C Alexander	yes
2200	25090 Perkins Rd	Michael S & Kristine Lay	no
2400	25066 Perkins Rd	Randy G & Joy L Hampton	yes
18060100 301	87840 Territorial Rd	Albert & Virginia Jagger	no
400	87784 Territorial Rd	Betty Fredrickson	yes
401	87808 Territorial Rd	Church of Christ	no
402	87774 Territorial Rd	Roger & Virginia Soverns	yes
403	87754 Territorial Rd	Gordon & Delores Nelson	yes
404*	Territorial Rd - south side of 87754	Gordon & Delores Nelson	yes
406	87790 Territorial Rd	Florence E Breeden	no
407	87786 & 87788 Territorial Rd	Betty Fredrickson	yes
1601*	Territorial Rd	Albert C Jagger ETAL	no
1602*	(87678?) Territorial Rd	Allyn J & Carol Ann Tews	yes
1999	Bolton Hill Rd	Willis E Blek ETAL	yes

Figure 1b. List of Offsite Determined Properties and the Methods and Resources used to Determined Wetland Boundaries.

Map Sheet	Tax Lot Number	Method of Elimination	Nearest Wetland
L-4	170530000909	Aerial, NRCS, NWI, USGS, Field Obs.	FR-4
L-4	170530000913	Aerial, NRCS, NWI, USGS, Field Obs.	FR-4
L-4	170530000915	Aerial, NRCS, NWI, USGS	FR-2
L-4	170530000111	Aerial, NRCS, NWI, USGS, Field Obs.	P-1
L-4	170531100600	Aerial, NRCS, NWI, USGS, Field Obs.	FR-2
L-6	170531101900	Aerial, NRCS, NWI, USGS, Field Obs.	FR-1
L-4	170531140200	Aerial, NRCS, NWI, USGS, Field Obs.	FR-1
L-4	170531140300*	Aerial, NRCS, NWI, USGS, Field Obs.	P-6
L-4	170531200100	Aerial, NRCS, NWI, USGS, Field Obs.	FR-4
L-4	170531200101	Aerial, NRCS, NWI, USGS, Field Obs.	FR-4
L-4	170531200501	Aerial, NRCS, NWI, USGS, Field Obs.	P-5
L-4	170531140700	Aerial, NRCS, NWI, USGS, Field Obs.	P-5
L-4	170531202800	Aerial, NRCS, NWI, USGS, Field Obs.	P-5
L-6	170531300700	Aerial, NRCS, NWI, USGS, Field Obs.	FR-2
L-5	170531303100	Aerial, NRCS, NWI, USGS, Field Obs.	U-7
L-4	170532201617	Aerial, NRCS, NWI, USGS, Field Obs.	M-3
L-4	170532201700	Aerial, NRCS, NWI, USGS, Field Obs.	P-1
L-3	170532202200	Aerial, NRCS, NWI, USGS, Field Obs.	P-1
L-3	170636137500	Aerial, NRCS, NWI, USGS, Field Obs.	P-1
L-3	170636137900	Aerial, NRCS, NWI, USGS, Field Obs.	LT-3
L-3	170636240200	Aerial, NRCS, NWI, USGS, Field Obs.	LT-3
L-5	170636240600	Aerial, NRCS, NWI, USGS, Field Obs.	LT-3
L-5	170636310100	Aerial, NRCS, NWI, USGS, Field Obs.	LT-3
L-5	170636427100	Aerial, NRCS, NWI, USGS, Field Obs.	U-1a
L-5	170636427200	Aerial, NRCS, NWI, USGS, Field Obs.	U-2a
L-5	170636440100	Aerial, NRCS, NWI, USGS, Field Obs.	U-1a
L-5	170636440700	Aerial, NRCS, NWI, USGS, Field Obs.	U-1a
L-5	180601001601	Aerial, NRCS, NWI, USGS, Field Obs.	M-1b
L-5	180601001702	Aerial, NRCS, NWI, USGS, Field Obs.	M-1a
L-5	180601001703	Aerial, NRCS, NWI, USGS, Field Obs.	M-1a
L-5	180601001704	Aerial, NRCS, NWI, USGS, Field Obs.	M-1a
L-5	180601001705	Aerial, NRCS, NWI, USGS, Field Obs.	M-1a

Figure 5. List of Abbreviations

ACOE (Corps)	Army Corps of Engineers
DSL	Division of State Lands
FAC	Facultative (Plant indicator status)
FACW	Facultative Wetland (Plant indicator status)
Fe	Iron
LCDL	Department of Land Conservation and Development
LCOG	Lane Council of Governments
LWI	Local Wetland Inventory
MgO_2	Magnesium Oxide
NRCS	Natural Resources and Conservation Service (formerly SCS)
NWI	National Wetlands Inventory
OBL	Obligate (plant indicator status)
PEM	Palustrine Emergent wetland
PFO	Palustrine Forested wetland
PSS	Palustrine Scrubshrub wetland
PUB	Palustrine Unconsolidated Bottom wetland
PAB	Palustrine Aquatic Bed wetland
RUB	Riverine Unconsolidated Bottom
SA	Satre Associates, P.C.
SCS	Soil Conservation Services (NRCS)
SIMS	Soft Iron Masses
UPL	Upland (plant indicator status)
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geographic Service
WSI	Wetland Specialties, Inc.

Figure 6. Wildlife Species within the City of Veneta Local Wetlands Inventory Study Area

Scientific Name	Common Name
BIRDS	
Accipiter cooperii	Cooper's Hawk
Accipiter gentils	Northern Goshawk
Accipiter striatus	Sharp-shinned Hawk
Agelaius phoeniceus	Red-winged Blackbird
Aix sponsa	Wood Duck
Anas acuta	Northern Pintail
Anas americana	American Wigeon
Anas crecca	Green-winged Teal
Anas clypeata	Northern Shoveler
Anas cyanoptera	Cinnamon Teal
Anas platyrhynchos	Mallard
Anas strepera	Gadwall
Anthus rubescens	American Pipit
Aphelocoma coerulescens	Scrub Jay
Ardea herodias	Great Blue Heron
Aythya americana	Redhead
Aythya collaris	Ring-necked duck
Aythya valisineria	Canvasback
Bombycilla cedrorum	Cedar Waxwing
Bonasa umbellus	Ruffed Grouse
Botaurus lentiginosus	American Bittern
Branta canadensis	Canada Goose
Bubo virginianus	Great Horned Owl
Bubulcus ibis	Cattle Egret
Bucephala albeola	Bufflehead
Buteo jamaicensis	Red-tailed Hawk
Buteo lagopus	Rough-legged Hawk
Butorides striatus	Green-backed Heron
Calypte anna	Anna's Hummingbird
Carduelis tristis	American Goldfinch
Carpodacus mexicanus	House Finch
Casmerodius albus	Great Egret
Cathartes aura	Turkey Vulture
Catharus guttatus	Hermit Thrush
Catharus ustulatus	Swainson's Thrush
Ceryle alcyon	Belted Kingfisher
Charadrius alexandrinus nivosus	Western Snowy Plover
Charadrius vociferus	Killdeer

Scientific Name	Common Name
Chaetura vauxi	Vaux's Swift
Cinclus mexicanus	American Dipper
Circus cyaneus	Northern Harrier
Cistothorus palustris	Marsh Wren
Coccothraustes vespertinus	Evening Grosbeak
Colaptes auratus	Red-shafted Flicker
Columba fasciata	Band Tailed Pigeon
Contopus borealis	Olive-sided Flycatcher
Contopus sordidulus	Western Wood-Pewee
Corvus corax	Raven
Corvus brachyrhynchos	American Crow
Cyanocitta stelleri	Stellar's Jay
Dendragapus obscurus	Blue Grouse
Dendroica coronata	Yellow-rumped Warbler
Dendroica nigrescens	Black-throated Gray Warbler
Dendroica occidentalis	Hermit Warbler
Dendroica petechia	Yellow Warbler
Dendroica townsendi	Townsend's Warbler
Dendroica virens	Balck-throated Green Warbler
Dryocopus pileatus	Pileated Woodpecker
Euphagus cyanocephalus	Brewer's Blackbird
Hirundo rustica	Barn Swallow
Histrionicus histrionicus	Harlequin Duck
Icterus galbula	Northern Oriole
Ixoreus naevius	Varied Thrush
Junco hyemalis	Oregon Junco
Lanius excubitor	Northern Shrike
Larus californicus	California Gull
Larus occidentalis	Western Gull
Limnodramus scolopaceus	Long-billed Dowitcher
Lophodytes cucullatus	Hooded Merganser
Melodspiza melodia	Song Sparrow
Mergus merganser	Common Merganser
Molothrus ater	Brown-headed Cowbird
Otus kennicottii	Western Screech-Owl
Pandion haliaetus	Osprey
Parus atricapillus	Black-capped Chickadee
Parus rufescens	Chestnut-backed Chickadee
Passer domesticus	House Sparrow
Passerculus sandwichensis	Savannah Sparrow
Passerella iliaca	Fox Sparrow
Perisoreus canadensis	Gray Jay

Scientific Name	Common Name
Pheucticus melanocephalus	Black-Headed Grosbeak
Piranga ludoviciana	Western Tanager
Pipilo erythrophthalmus	Rufus-sided Towhee
Progne subis	Purple Martin
Psaltriparus minimus	Bushtit
Riparia riparia	Bank Swallow
Rissa tridactyla	Black-Legged Kittiwake
Selasphorus rufus	Rufous Hummingbird
Sialia mexicana	Western Bluebird
Sitta canadensis	Red-breasted Nuthatch
Sitta carolinensis	White-breasted Nuthatch
Sphyrapicus ruber	Red-breasted Sapsucker
Sphyrapicus varius	Yellow-bellied Sapsucker
Spizella passerina	Chipping Sparrow
Stelgidopteryx serripennis	Northern Rough-winged Swallow
Sterna caspia	Caspian Tern
Sturnella neglecta	Western Meadowlark
Sturnus vulgaris	European Starling
Tachycineta bicolor	Tree Swallow
Tachycineta thalassina	Violet-green Swallow
Tringa melanoleuca	Greater Yellowlegs
Troglodytes troglodytes	Winter Wren
Troglodytes aedon	House Wren
Turdus migratorius	Robin
Tyto alba	Barn owl
Vermivora celata	Orange-crowned Warbler
Vermivora ruficapilla	Nashville Warbler
Wilsonia pusilla	Wilson's Warbler
Zenaida macroura	Mourning Dove
Zonotrichia atricapilla	Golden-crowned Sparrow
Zonotrichia leucophrys	White-crowned Sparrow
MAMMALS	
Canis latrans	Coyote
Castor canadensis	Beaver
Eptesicus fuscus	Brig Brown Bat
Glaucomys sabrinus	Northern Flying Squirrel
Lasionycteris noctivagans	Silver Haired Bat
Lasiurus cinereus	Hoary Bat
Martes americana	Marten
Mephitis mephitis	Striped Skunk
Microtus oregoni	Creeping Vole
Microtus longicaudus	Long-tailed Vole

Scientific Name	Common Name
Myotis californicus	California Myotis
Myotis evotis	Long-eared Myotis
Myotis lucifugus	Little Brown Bat
Myotis thysanodes	Fringes Myotis
Myotis volans	Long-legged Myotis
Myotis yumanensis	Yuma Myotis
Neotoma cineria	Bushytail Woodrat
Neurotrichus gibbsii	Shrew Mole
Odocoileus hemionus columbianus	Black-tailed Deer
Ondatra zibethicus	Muskrat
Peromyscus maniculatus	Deer Mouse
Plecotus townsendii	Townsend's Big-eared Bat
Procyon lotor	Raccoon
Rattus rattus	Black Rat
Scapanus orarius	Coast Mole
Scapanus townsendii	Townsend's Mole
Sorex bendirii	Pacific Water Shrew
Sorex obscurus	Dusky Shrew
Sorex vagrans	Vagrant Shrew
Spermophilus beecheyi	California Ground Squirrel
Sylvilagus bachmani	Brush Rabbit
Tamias townsendii	Townsend's Chipmunk
Tamiasciurus douglasii	Douglas Squirrel
Thomomys mazama	Western Pocket Gopher
FISH	
Acipenseridae Family	Sturgeon
Catostomus spp.	Sucker
Cottus spp.	Sculpin
Dorosoma spp.	Shad
Gasterosteus aculeatus	Three-Spine Stickleback
Ictalurus nebulosus	Brown Bullhead
Ictalurus punctatus	Channel Catfish
Lampetra tridentata	Pacific Lamprey
Lepomis macrochirus	Bluegill
Micropterus salmoides	Largemouth Bass
Morone saxatilis	Striped Bass
Oncorhynchus kisutch	Coho Salmon
Ptychocheilus oregonensis	Squawfish
Salmo clarki	Cutthroat Trout
REPTILES AND AMPHIBIANS	
Ambystoma gracile	Northwestern Salamander
Ascaphus truei	Trailed Frog

Scientific Name	Common Name
Dicamptodon tenebrosus	Pacific Giant Salamander
Elgaria coerulea	Northern Alligator Lizard
Ensatina eschscholtzii	Ensatina
Hyla regilla	Pacific Treefrog
Rana aurora	Redlegged Frog
Rana catesbeiana	Bullfrog
Rhyacotriton variegatus	Southern Torrent Salamander
Sceloporus occidentalis	Western Fence Lizard
Taricha granulosa	Roughskin Newt
Thamniophis ordinoides	Northwestern Garter Snake
Thamnophis sirtalis	Common Garter Snake

Figure 7. Plant Species within the Veneta Local Wetlands Inventory Study Area

Species Name	Common Name	Indicator Status
Agrostis tenuis	colonial bent grass	FAC
Allium amplectens	slim-leaf onion	
Alopecurus pratensis	meadow foxtail	FACW
Alopecurus geniculatis	meadow foxtail	FACW+
Alopecuris aequalis	short awn foxtail	OBL
Alisma gramineum	narrow leaf water plantain	OBL
Alisma plantago-aquatica	broad leaf water plantain	OBL
Alnus rubra	red alder	FAC
Amelanchier alnifolia	serviceberry	FACU
Angelica genuflexa	kneeling angelica	FACW
Anthoxanthum odoratum	sweet vernal grass	FACU
Aster chilensis=chilensis	common California aster	FAC
Aster chilensis=halli	Hall's aster	FAC
*Aster curtus**	white-top aster	NOL
Aster subspicatus	Douglas' aster	FACW
Azolla mexicana	Mexican fern duckweed	OBL
Beckmania syzigachne	American sloughgrass	OBL
Bidens cernua	nodding beggar's tick	FACW+
Bidens frondosa	leafy beggar's tick	FACW+
Boisduvalia densiflora	dense spike-primrose	FACW-
Briza minor	little quaking grass	FAC
Brodiaea elegans	harvest brodiaea	FACU
Brodiaea hyacinthina	hyacinth brodiaea	NOL
Calamagrostis canadensis	blue joint reed grass	FACW
Callitriche heterophyllla	water starwort	OBL
Callitriche stagnalis	pond water starwort	OBL
Callitriche verna	spring water starwort	OBL
Camassia leichtlinii	great camas	FACW-
Camassia quamash	common camas	FACW
*Cardamine penduliflora**	Willamette Valley bittercress	OBL
Carex densa	dense sedge	OBL
Carex deweyana	short scale sedge	FAC+
Carex feta	green-sheathed sedge	FACW
Carex obnupta	slough sedge	OBL
Carex lanuginosa	wooly sedge	OBL
Carex rostrata	beaked sedge	OBL
Carex scoparia	pointed beak sedge	FACW
Carex stipata	awl-fruited sedge	facw+
*Carex unilateralis**	one-sided sedge	FACW
Carex vesicaria	inflated sedge	OBL
Ceratophyllum demersum	coontail hornwort	OBL
Centaurium muhlenbergii	Monterey centaury	FACW
Centaurium umbellatum	centaury	FAC
*Crataegus douglasii**	Douglas' hawthorn	FAC
Crataegus monogyna	English hawthorn	FACU+
Cicuta douglasii	western water hemlock	FACW
Claytonia sibirica	Siberian springbeauty	FAC

Figure 7. Plant Species within the Veneta Local Wetlands Inventory Study Area

Species Name	Common Name	Indicator Status
*Cornus stolonifera**	creek dogwood	FACW
*Danthonia californica**	California oatgrass	FACU
*Deschampsia cespitosa**	tufted hairgrass	FACW
Deschampsia danthoniodes	annual hairgrass	FACW-
Dipsacus sylvestris	teasle	FAC
*Downingia elegans**	blue calico flower	OBL
Echinochloa crusgalli	large barnyard grass	FACW
Eleocharis acicularis	needle spike rush	OBL
Eleocharis ovata	ovate spike rush	OBL
Eleocharis palustris	creeping spike rush	OBL
Elodea canadensis	Canada water weed	OBL
Elodea densa	South American water weed	OBL
Epilobium glandulosum	glandular willow-weed	FACW
Epilobium paniculatum	tall annual willow-herb	FACW
Epilobium watsonii	hairy willow-herb	FACW-
Equistetum arvense	field horsetail	FAC
Equisetum telmateia	giant horsetail	FACW
*Erigeron decumbens**	Willamette Valley daisy	NOL
Eryngium petiolatum	coyote thistle	OBL
Eriophyllum lanatum	wooly sunflower	
Festuca arundinacea	alta fescue	FAC-
Fontinalis antipyretica	water moss	NOL
Fraxinus latifolia	Oregon ash	FACW
Galium cymosum	Pacific bedstraw	FACW
Galium trifidum	small bedstraw	FACW+
Galium parisiense	wall bedstraw	NOL
Geum macrophyllum	large leaf avens	FACW-
Glyceria elata/grandis	tall/reed manna grass	FACW+
Glyceria borealis	small floating manna grass	OBL
Glyceria occidentalis	Northwestern manna grass	OBL
Gnaphalium palustre	Western marsh cudweed	FAC+
Grindelia integrifolia	gumweed	FACW
Heracleum lanatum	cow parsnip	FAC+
Holcus lanatus	velvet grass	FAC
*Hordeum brachyantherum**	meadow barley	FACW-
Howellia aquatilis	howellia	OBL
Hydrocotyle ranunculoides	floating pennywort	OBL
Hypericum anagalloides	bog St. John's wort	OBL
Iris pseudacorus	water flag	OBL
Juncus acuminatus	taper-tipped rush	OBL
Juncus articulatus	jointed rush	OBL
Juncus bufonius	toad rush	FACW+
Juncus covillei	Coville's rush	FACW

Figure 7. Plant Species within the Veneta Local Wetlands Inventory Study Area

Species Name	Common Name	Indicator Status
Juncus effusus	soft rush	FACW
Juncus ensifolius	dagger-leaf rush	FACW
Juncus oxymeris	pointed rush	FACW+
Juncus nevadensis	Sierra rush	FACW
Juncus patens	spreading rush	FACW
Juncus tenuis	slender rush	FACW-
Leersia oryzoides	rice cut grass	OBL
Lemna minor	common duckweed	OBL
Limosella aquatica	mudwort	OBL
*Lomatium bradshawii**	Bradshaw's lomatium	FACW
Lotus corniculatus	bird's foot trefoil	FAC
Lotus formosissimus	seaside trefoil	FACW+
Lotus pinnatus	bog trefoil	FACW
Ludwigia palustris	false loosestrife	OBL
Lupinus polyphyllus	large leaf lupine	FAC+
Lycopus americanus	cut-leaf water hore hound	OBL
Lycopus uniflorus	Northern bugleweed	OBL
Lysimachia nummularia	creeping jenny	FACW
Lythrum salicaria	purple loosestrife	OBL
Lythrum hyssopifolia	hyssop loosestrife	OBL
Lysichiton americanum	skunk cabbage	OBL
Madia glomerata	mountain tarweed	FACU-
Mentha arvensis	field mint	FACW-
Mentha piperita	peppermint	FACW+
Mentha pulegium	pennyroyal	OBL
Mentha spicata	spearmint	OBL
Mimulus moschatus	seep-spring monkey flower	FACW+
Mimulus guttatus	musk-flowered monkey flower	OBL
Montia linearis	narrow-leaved montia	OBL
Montia howellii	Howell's miner's lettuce	FACW-
Montia fontana	water chickweed	OBL
Myosotis discolor	yellow & blue forget -me -not	FACU
Myostis laxa	forget-me-not	OBL
Myriophyllum hippuroides	western water milfoil	OBL
Myriophyllum spicatum	water milfoil	OBL
Myriophyllum brasiliense	American water-millfoil	OBL
Nuphar polysepalum	yellow pond lily	OBL
*Oenanthe sarmentosa**	water parsley	OBL
Orthocarpus bracteosus	rosy owl's-clover	NOL
Orthocarpus hispidus	hairy owl's clover	FACU-
Panicum capillare	witch grass	FACU+
Parentucellia viscosa	parentucellia	FAC-
Phalaris arundinacaea	reed canary grass	FACW
Phalaris aquatica	harding grass	FACW+
Physocarpus capitatus	pacific ninebark	FAC+

Figure 7. Plant Species within the Veneta Local Wetlands Inventory Study Area

Species Name	Common Name	Indicator Status
Plagiobothrys figuratus	fragrant popcorn flower	FACW
Plagiobothrys scouleri	scouler popcorn flower	FACW
Poa annua	annual bluegrass	FAC
Poa pratensis	Kentucky bluegrass	FAC
Poa trivialis	rough bluegrass	FACW
Polygonum amphibium	water smartweed	OBL
Polygonum coccineum	water smartweed	OBL
Polygonum hydropiperoides	waterpepper	OBL
*Populus trichocarpa**	black cotton wood	FAC
Potamogeton amplifolius	large leaf pondweed	OBL
Potamogeton crispus	curly pondweed	OBL
Potamogeton epihydrus	ribbon-leaf pondweed	OBL
Potamogeton foliosus	leafy pondweed	OBL
Potamogeton gramineus	grassy pondweed	OBL
Potamogeton natans	floating leaf pondweed	OBL
Potamogeton pectinatus	sago pondweed	OBL
Potentilla gracilis	Northwest cinquefoil	FAC
Prunella vugaris	heal all	FACU+
Psilocarphus eliator	tall wooly heads	FACW
Pyrus fusca	Pacific crabapple	FAC+
Pyrus malus	apple	FACW
Ranunculus alismaefolius	water plantain buttercup	FACW
Ranunculus aquatilis	water crowfoot	OBL
Ranunculus flammula	creeping spearwort	FACW
Ranunculus occidentalis	western buttercup	FAC
Ranunculus orthorhynchus	straight beak buttercup	FACW-
Ranunculus repens	creeping buttercup	FACW
Ranunculus sceleratus	celery-leaf buttercup	OBL
Rorippa nasturtium-aquaticum	true watercress	OBL
Rosa eglanteria	sweetbriar	FACW
*Rosa nutkana**	Nootka rose	NI
Rosa multiflora	multi-flora rose	NI
Rosa pisocarpa	clustered rose	NI
Rubus spectabilis	salmonberry	FAC
Rumex crispus	curly dock	FACW
Salix fluviatilis	Columbia river willow	OBL
Salix geyeriana	Geyer's willow	FACW+
Salix lasiandra	Pacific willow	FACW+
Salix piperi	Piper's willow	FACW
Salix scouleriana	Scouler's willow	FAC
Salix sitchensis	Sitka willow	FACW
Saxifraga oregana	Oregon saxifrage	FACW+
Scirpus acutus	hard stem bulrush	OBL
Scirpus validus	soft stem bulrush	OBL
Scirpus microcarpus	small-fruited bulrush	OBL
Sisyrinchium idahoense	narrow-leaf blue-eye grass	FACW-
Sisyrinchium hitchcockii	Hitchcock's blue-eye grass	NOL
Sparganium emersum	simple-stem bur-reed	OBL

Figure 7. Plant Species within the Veneta Local Wetlands Inventory Study Area

Species Name	Common Name	Indicator Status
Spiraea douglasii	Douglas' spiraea	FACW
Spirodela polyrhiza	great duckweed	OBL
Stachys cooleyae	great betony	FACW
Stachys mexicana	Mexican betony	FACW
Symphoricarpos albus	snowberry	FACU
Thuja plicata	Western red cedar	FAC
Typha angustifolia	lesser cattail	OBL
Typha latifolia	cattail	OBL
Utricularia vulgaris	common bladderwort	OBL
Vallisneria americana	wild celery	OBL
Veratrum californicum	false hellebore	FACW+
Veronica americana	American brooklime	OBL
Veronica anagallis-aquatica	water speedwell	OBL
Veronica peregrina	purslane speedwell	OBL
Veronica scutellata	marsh speedwill	OBL
Wolffia punctata	dotted water meal	OBL
Wolffia columbiana	Willamette Valley water meal	OBL
Wyethia angustifolia	narrow-leaf mule's ears	FACU
Zigadenus venenosus	death camas	FACU

Figure 8. Key to the Oregon Freshwater Wetland Assessment Methodology Numerical Ranking

Wildlife Habitat	1 *Wetland provides diverse wildlife habitat* 2 *Wetland provides habitat for some wildlife species* 3 *Wetland does not provide wildlife habitat*
Fish Habitat	1 *Wetland's fish habitat function is intact* 2 *Wetland's fish habitat function is impacted or degraded* 3 *Wetland's fish habitat function is lost or not present*
Water Quality	1 *Wetland's water quality function is intact* 2 *Wetland's water quality function is impacted or degraded* 3 *Wetland's water quality function is lost or not present*
Hydrologic Control	1 *Wetland's hydrologic control function is intact* 2 *Wetland's hydrologic control is impacted or degraded* 3 *Wetland's hydrologic control function is lost or not present*
Sensitivity to Impact	1 *Wetland is sensitive to future impacts* 2 *Wetland is potentially sensitive to future impacts* 3 *Wetland is not sensitive to future impacts*
Enhancement Potential	1 *Wetland has high enhancement potential* 2 *Wetland has moderate potential for enhancement* 3 *Wetland has little enhancement potential*
Education	1 *Wetland has education uses* 2 *Wetland has potential educational use* 3 *Wetland site is not appropriate for educational use*
Recreation	1 *Wetland provides recreational opportunities* 2 *Wetland has the potential to provide recreational activities* 3 *Wetland is not appropriate for or does not provide recreational opportunities*
Aesthetic Quality	1 *Wetland is considered to be pleasing* 2 *Wetland is considered to be moderately pleasing* 3 *Wetland is not pleasing*

Table VIII
Oregon Freshwater Wetland Assessment Methodology
Numerical Ranking Results for Veneta Local Wetlands Inventory

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Total	Size (acres)
A sewage tmt	2	2	2	NS 1 change	2	1	3	3	3	19	16.31
B	2	2	1	1	2	1	2	3	2	16	28.31
C	2	2	1	1	2	1	2	3	2	16	3.94
D	2	NA	3	NS 3 ~~2~~	2	3	3	3	3	21	.56
E	1	NA	2	1	2	2	2	3	2	15	96.49
F mitig. site	2	2	2	NS ~~1~~ 2 changed	2	1	3	2	3	18	3.46
G camas area	2	NA	2	NS ~~2~~ 2 changed	3	1	2	3	3	17	8.08
H	2	NA	2	NS 2 ok	2	1	3	3	1	16	.58
I	2	NA	2	NS 3 2 ok	2	1	3	3	1	16	.09
J	2	NA	2	NS 2 1 change	2	1	3	3	1	15	.20
K	2	NA	2	S 1 ok	2	2	3	3	1	16	.45
L	2	NA	2	NS 2 1 change	2	1	3	3	3	17	.67
M	2	2	1	1	2	1	3	3	2	17	10.42
N	1	NA	1	1	2	1	2	2	3	13	12.93
O	2	2	~~2~~ 1	1	2	1	3	3	3	19	2.53
P	2 –	2	2	S 1 ok	2	1	3	3	2	18	7.45
Q	2	NA	2	NS 2 1 change	2	1	2	3	3	16	1.27
R	1	2	1	S 2 ~~1~~ ok	2	1	2	2	2	14	1.64
S	1	2	~~2~~ 1	S 1 ok	2	1	3	3	3	18	3.85
T	1	2	2	S 1 –	2	1	3	2	1	15	4.89
U	2	2	~~2~~ 1	S 2 1 ok	2	1	3	3	2	18	N/A
V	1 ?	2	1 ok	S 1 ok	2	1	2	2	2	14	1.07

Depends on this call

Changed = change in sig det.
ok = no change "

WQ Fish Educ
~~||||~~ | || |

Veneta Local Wetland Inventory
Figure 9. Summary of Field Data Sheets

Plot	SCS Soils Mapped by NRCS	Status of Soils Sampled	Percentage Wetland Indicators	Wetland/ Upland
LT2-1a	(98) Noti loam	hydric	100%	Wetland
LT2-1b	(128B) Veneta loam	hydric	40%	Upland
LT2-2	(98) Noti loam	hydric	80%	Wetland
LT2-3	(98) Noti loam	hydric	100%	Wetland
LT2-4	(79) McBee silty clay loam	hydric	100%	Wetland
LT2-5	(79) McBee silty clay loam	hydric	80%	Wetland
LT2-6	(79) McBee silty clay loam	non-hydric	20%	Upland
LT2-7	(79) McBee silty clay loam	non-hydric	100%	Wetland
LT5-9a	(79) McBee silty clay loam	hydric	100%	Wetland
LT5-9b	(79) McBee silty clay loam	non-hydric	20%	Upland
U4-1	(98) Noti loam	hydric	100%	Wetland
U4-2	(98) Noti loam	hydric	50%	Wetland
U6-4a	(98) Noti loam	hydric	100%	Wetland
U6-4b	(98) Noti loam	non-hydric	0%	Upland
U6-4c	(98) Noti loam	hydric	100%	Wetland
U4-5	(98) Noti loam	hydric	60%	Wetland
U4-6a	(98) Noti loam	hydric	60%	Wetland
U4-6b	(98) Noti loam	non-hydric	0%	Upland
U4-7a	(98) Noti loam	hydric	100%	Wetland
U4-7b	(98) Noti loam	non-hydric	0%	Upland
U2b-8a	(73) Linslaw loam	hydric	100%	Wetland
U2b-8b	(98) Noti loam	non-hydric	50%	Upland
U2b-9	(73) Linslaw loam	hydric	100%	Wetland
L1a-1a	(73) Linslaw loam	hydric	80%	Wetland
L1a-1b	(73) Linslaw loam	non-hydric	20%	Upland
L6-2a	(98) Noti loam	hydric	80%	Wetland
L6-2b	(98) Noti loam	hydric	100%	Wetland
L6-2c	(98) Noti loam	non-hydric	20%	Upland
L6-3a	(98) Noti loam	hydric	100%	Wetland
L6-3b	(98) Noti loam	hydric	40%	Wetland
L11-4	(128B) Veneta loam	hydric	100%	Wetland
P4-1	(73) Linslaw loam	hydric	100%	Wetland
P4-2	(73) Linslaw loam	hydric	100%	Wetland
P5-3a	(73) Linslaw loam	hydric	100%	Wetland
P5-3b	(73) Linslaw loam	non-hydric	20%	Upland
P5-4	(73) Linslaw loam	hydric	100%	Wetland
P5-5	(98) Noti loam	hydric	80%	Wetland
P1-6a	(128B) Veneta loam	hydric	60%	Wetland
P1-6b	(128B) Veneta loam	non-hydric	20%	Upland
P1-7a	(128B) Veneta loam	hydric	100%	Wetland
P1-7b	(128B) Veneta loam	hydric	75%	Wetland

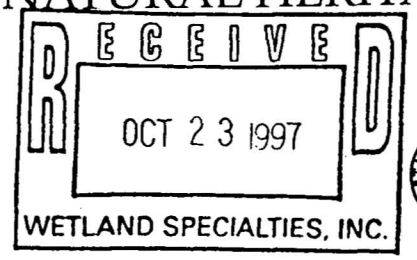
P1-7c	(128B) Veneta loam	N/A	60%	Wetland
P1-7d	(128B) Veneta loam	non-hydric	0%	Upland
P1-8a	(128B) Veneta loam	hydric	60%	Wetland
P1-8b	(128B) Veneta loam	non-hydric	20%	Upland
P1-9	(128B) Veneta loam	hydric	100%	Wetland
P6-10a	(98) Noti loam	hydric	100%	Wetland
P6-10b	(73) Linslaw loam	hydric	40%	Upland
M1a-1a	(128B) Veneta loam	hydric	100%	Wetland
M1a-1b	(128B) Veneta loam	hydric	20%	Upland
M1b-11a	(128B) Veneta loam	hydric	100%	Wetland
M1b-11b	(128B) Veneta loam	non-hydric	60%	Upland
M2-2a	(73) Linslaw loam	hydric	100%	Wetland
M2-2b	(73) Linslaw loam	non-hydric	40%	Upland
M2-3a	(73) Linslaw loam	hydric	100%	Wetland
M2-3b	(73) Linslaw loam	hydric	75%	Wetland
M2-3c	(73) Linslaw loam	hydric	100%	Wetland
M2-4	(73) Linslaw loam	non-hydric	20%	Upland
M3-5a	(73) Linslaw loam	hydric	100%	Wetland
M3-5b	(73) Linslaw loam	hydric	60%	Wetland
M3-5c	(73) Linslaw loam	non-hydric	25%	Upland
M4-6a	(73) Linslaw loam	hydric	80%	Wetland
M4-6b	(73) Linslaw loam	non-hydric	60%	Upland
M4-7a	(73) Linslaw loam	hydric	100%	Wetland
M4-7b	(73) Linslaw loam	non-hydric	N/A	Upland
M5-8a	(73) Linslaw loam	hydric	80%	Wetland
M5-8b	(73) Linslaw loam	non-hydric	20%	Upland
M5-9a	(73) Linslaw loam	hydric	100%	Wetland
M5-9b	(73) Linslaw loam	non-hydric	20%	Upland
M5-10a	(98) Noti loam	hydric	80%	Wetland
M5-10b	(98) Noti loam	non-hydric	20%	Upland
FR5-1a	(79) McBee silty clay loam	hydric	80%	Wetland
FR5-1b	(79) McBee silty clay loam	non-hydric	40%	Upland
FR6a-2a	(79) McBee silty clay loam	hydric	100%	Wetland
FR6a-2b	(79) McBee silty clay loam	non-hydric	20%	Upland
FR5-3	(79) McBee silty clay loam	hydric	80%	Wetland
FR5-4	(79) McBee silty clay loam	hydric	100%	Wetland
FR6a-5	(79) McBee silty clay loam	hydric	40%	Upland
FR6a-6	(79) McBee silty clay loam	hydric	80%	Wetland
FR6a-7a	(79) McBee silty clay loam	hydric	100%	Wetland
FR6a-7b	(79) McBee silty clay loam	non-hydric	67%	Upland
FR6a-7c	(79) McBee silty clay loam	hydric	20%	Upland
FR6a-9	(79) McBee silty clay loam	hydric	60%	Wetland
FR6a-10a	(79) McBee silty clay loam	hydric	60%	Wetland
FR6a-10b	(79) McBee silty clay loam	hydric	60%	Wetland
FR4-11	(73) Linslaw loam	hydric	100%	Wetland
FR4-12	(73) Linslaw loam	hydric	100%	Wetland
FR4-13	(73) Linslaw loam	hydric	100%	Wetland

FR5-14	(79) McBee silty clay loam	hydric	80%	Wetland
FR6a-15a	(79) McBee silty clay loam	hydric	60%	Wetland
FR6a-15b	(79) McBee silty clay loam	non-hydric	40%	Upland
FR6a-15c	(79) McBee silty clay loam	hydric	100%	Wetland
FR6a-15d	(79) McBee silty clay loam	non-hydric	20%	Upland
FR6a-16a	(79) McBee silty clay loam	hydric	75%	Wetland
FR6a-16b	(79) McBee silty clay loam	non-hydric	25%	Upland
FR6a-17a	(79) McBee silty clay loam	hydric	100%	Wetland
FR6a-17b	(79) McBee silty clay loam	non-hydric	20%	Upland
FR6a-17c	(79) McBee silty clay loam	hydric	80%	Wetland
FR6a-17d	(79) McBee silty clay loam	non-hydric	40%	Upland
FR3-18	(73) Linslaw loam	hydric	100%	Wetland
FR2-19a	(79) McBee silty clay loam	hydric	80%	Wetland
FR2-19b	(79) McBee silty clay loam	non-hydric	20%	Upland
FR4-21	(73) Linslaw loam	hydric	100%	Wetland
FR5-22	(79) McBee silty clay loam	hydric	50%	Wetland
FR5-23a	(79) McBee silty clay loam	hydric	80%	Wetland
FR5-23b	(79) McBee silty clay loam	non-hydric	40%	Upland
FR5-24	(79) McBee silty clay loam	non-hydric	40%	Upland
FR5-25	(79) McBee silty clay loam	hydric	80%	Wetland
FR5-26a	(79) McBee silty clay loam	hydric	60%	Wetland
FR5-26b	(79) McBee silty clay loam	non-hydric	40%	Upland

Figure 10. The Oregon Natural Heritage Program Data System Search Findings for Threatened and Endangered Species

Oregon

NATURAL HERITAGE PROGRAM



A Cooperative Project of :

The Nature Conservancy.

October 21, 1997

821 SE 14th Avenue
Portland, Oregon 97214-2537
(503) 731-3070
FAX (503) 230-9639

Jennifer Guard
Wetland Specialties, Inc.
132 East Broadway, Suite 423
Eugene, OR 97401

Dear Ms. Guard:

We have conducted a data system search for rare, threatened and endangered plant and animal records for the Veneta wetland inventory project (T17S, R5W, Section 31).

Nine (9) records were noted within a two-mile radius of your project and are included on the enclosed computer printout. A key to the fields is also included.

Please remember that the lack of rare element information from a given area does not mean that there are no significant elements there, only that there is no information known to us from the site. To assure that there are no important elements present, you should inventory the site, at the appropriate season.

This data is confidential and for the specific purposes of your project and is **not to be distributed**.

Please call if you should have any questions.

Sincerely,

Connie Levesque

Connie Levesque
Data Services Assistant

encl: invoice

Output form

KEY TO PRINTOUT

NAME AND COMMON NAME: The scientific and common name of the species.
EO-CODE (element occurrence code): Unique Heritage Program code for this occurrence. The first 10 characters are the code for the species, and the last 3 are the occurrence number.
COUNTY(S): County name(s)
QUAD NAMES: Name of the USGS topographic quadrangle map(s) where the record is mapped.
PHYSIOGRAPHIC PROVINCE: Code for physiographic province. CR=Coast Range, WV=Willamette Valley, KM=Klamath Mountains, WC=West slope and crest of the Cascades, EC=East slope of the Cascades, BM=Ochoco, Blue and Wallowa Mts., BR=Basin and Range, HP=High Lava Plains, OU=Owyhée uplands, CB=Columbia Basin.
T-R-S: Township, Range and Section, with township first, range second and section third (a space appears between range and section). 004S029E 32 = Township 4S, Range 29E, Section 32. Fractional townships and ranges are further defined in the T-R COMMENTS field.
T-R-S COMMENTS: Comments relating to township, range or section(s), e.g. SE4NE4 or SENE=SE 1/4 of the NE 1/4
LASTOBS: Last reported sighting date, in the form YYYY-MM-DD
FIRSTOBS: First reported sighting date for this occurrence in the form YYYY-MM-DD
LAT: latitude, North
LONG: longitude, West
QUADCODE: Heritage Program code for the USGS topo map
FED STATUS: US Fish and Wildlife Service status. LE=listed endangered, LT=listed threatened, PE or PT=proposed endangered or threatened, C=candidate for listing with enough information available for listing, SOC=species of concern.
STATE STATUS: For animals, Oregon Department of Fish and Wildlife status; LE=listed endangered, PE=proposed endangered, PT=proposed threatened, SC or C=sensitive-critical, SV or V=sensitive-vulnerable, SP or P=sensitive peripheral or naturally rare, SU or U=sensitive-undetermined. For plants, Oregon Department of Agriculture status; LE=listed endangered, LT=listed threatened, C=candidate.
SIZE: in acres, whole numbers. 0=unknown
MINELEV: Minimum elevation, in feet.
MAXELEV: Maximum elevation in feet.
PRECISION: Second (S)=exact location, Minute (M)=location known to nearest 1.5 miles, General (G)=location known to nearest 5 miles.
EO-RANK/COMM: Relative quality of this occurrence (A=best site, B=good population or site, C=fair or small population, D=marginal or destroyed occurrence)
DIRECTIONS: Site name and direction to site
DESCRIPTION: Habitat information, e.g. aspect, slope, soils, associated species, community type, etc.
EO-DATA: Species and population biology - numbers, age, nesting success, vigor, phenology, disease, pollinators, etc.
EOTYPE: For animals, type of occurrence, e.g. roost, nest, etc.
COMMENTS: Miscellaneous comments
ANNUAL OBSERVATIONS: Summary of yearly observations
OWNER: federal, state, private, etc.
MANAGED AREA: BLM district, USFS Forest, Private Preserve, etc.
MANAGE COMM: Comments on how the site is managed.
PROT COMM (Protection Comments): Comments regarding protectibility and threats.
BEST SOURCE: Best source of information for this occurrence.

NAME: RANA AURORA AURORA
COMMON NAME: NORTHERN RED-LEGGED FROG
EO-CODE: AAABH01021*094 LAST OBS: 1993-03-06 ~~FED STATUS: SOC~~
COUNTY(s): LANE FIRST OBS: 1993-03-06 STATE STATUS: SU
QUAD NAMES: VENETA LAT: 440455N ~~SIZE:~~
PHYSIOGRAPHIC PROV: WV LONG: 1232030W MINELEV (Feet): 372
T-R-S: 017S005W 19 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: SE4SW4 PRECISION: S
EO-RANK/COMM: :
DIRECTIONS: IN POOL IN APPLEGATE UNIT ON FERN RIDGE WA, 1 KM NE ELMIRA &0.25 KM W OF OLD LONG TOM RIVER CHANNEL. 2000 FT E OF TERRITORIAL HIGHWAY
DESCRIPTION: LARGE SHALLOW POOL
EO-DATA: 1993: OVER 50 EGG MASSES
EOTYPE:
COMMENTS: OBSERVERS: DAN HOLLAND, KAT BEAL
ANNUAL OBSERVATION:
OWNER: FEDERAL
MANAGED AREA: FERN RIDGE WMA
COAST RANGE RESOURCE AREA
EUGENE BLM DISTRICT
MANAGE COMM:
PROT COMM:
BEST SOURCE: APPLEGARTH, J.S. 1993. WILDLIFE OBSERVATION REPORT FORM

NAME: HALIAEETUS LEUCOCEPHALUS
COMMON NAME: BALD EAGLE
EO-CODE: ABNKC10010*189 LAST OBS: 1996 FED STATUS: LT
COUNTY(s): LANE FIRST OBS: 1982 STATE STATUS: LT
QUAD NAMES: VENETA LAT: 440500N SIZE: 0
PHYSIOGRAPHIC PROV: WV LONG: 1231845W MINELEV (Feet): 400
T-R-S: 017S005W 20 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: NE4 PRECISION: M
EO-RANK/COMM: :
DIRECTIONS: FERN RIDGE RESERVOIR; ON THE NW SIDE OF THE LARGE PENINSULA W OF GIBSON ISLAND
DESCRIPTION:
EO-DATA: SEE ANNUAL OBSERVATIONS
EOTYPE: BREEDING SITE
COMMENTS: ISAACS & ANTHONY NEST 188
ANNUAL OBSERVATION: 1996-EAGLES OBSERVED
1995-EAGLES OBSERVED
1994-EAGLES OBSERVED
1993-EAGLES OBSERVED
1992-UNOCCUPIED
1991-UNOCCUPIED
1990-BREEDING FAILURE
1989-BREEDING FAILURE
1988-BREEDING FAILURE
1987-UNOCCUPIED
1986-BREEDING FAILURE
1985-1 FLEDGED
1984-1 FLEDGED
1983-2 FLEDGED
1982-1 FLEDGED
OWNER: FEDERAL
MANAGED AREA: FERN RIDGE DAM
MANAGE COMM:
PROT COMM:
BEST SOURCE: ISAACS & ANTHONY. 1996. BALD EAGLE NEST LOCATIONS & HISTORY OF USE IN OREGON 1971-1996.

NAME: CHRYSEMYS PICTA
COMMON NAME: PAINTED TURTLE

EO-CODE: ARAAD01010*032 LAST OBS: 1990-07-08 FED STATUS:
COUNTY(s): LANE FIRST OBS: 1990 STATE STATUS: SC
QUAD NAMES: VENETA LAT: 440415N SIZE: 0
PHYSIOGRAPHIC PROV: WV LONG: 1232030W MINELEV (Feet): 380
T-R-S: 017S005W 19 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: PRECISION: S
EO-RANK/COMM: :
DIRECTIONS: FERN RIDGE LAKE SW TO TERRITORIAL RD
DESCRIPTION: RIVER CHANNEL IN CANARY GRASS, MUDDY BOTTOM; PLENTIFUL FALLEN LOGS AND LOG JAMS, SOME BANK SPOTS UPSTREAM
EO-DATA: 1 PAINTED TURTLE BASKING ON WATER END OF FALLEN LOG. BRIGHT GREEN, SHELL EXTREMELY CONCAVE. IDENTITY NOT CERTAIN. ESTIMATED LENGTH 10".
EOTYPE:
COMMENTS: KAT PIPES, ACE REPORT ON WESTERN POND TURTLE OCCURRENCES, UPPER WILLAMETTE VALLEY RIVER SYSTEM, 1991.
ANNUAL OBSERVATION:
OWNER:
MANAGED AREA: FERN RIDGE WMA
MANAGE COMM:
PROT COMM:
BEST SOURCE: PIPES, KAT

NAME: CLEMMYS MARMORATA MARMORATA
COMMON NAME: NORTHWESTERN POND TURTLE
EO-CODE: ARAAD02031*083 LAST OBS: 1995 08 00 FED STATUS: SOC
COUNTY(s): LANE FIRST OBS: 1990 STATE STATUS: SC
QUAD NAMES: VENETA LAT: 440415N SIZE: 0
PHYSIOGRAPHIC PROV: WV LONG: 1232030W MINELEV (Feet): 380
T-R-S: 017S005W 19 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: PRECISION: S
EO-RANK/COMM: :
DIRECTIONS: SW CORNER OF FERN RIDGE RESERVOIR. ALL SITINGS WITHIN SECTION 19 BELONG ON THIS RECORD.
DESCRIPTION: RIVER CHANNEL IN CANARY GRASS, MUDDY BOTTOM; PLENTIFUL FALLEN LOGS AND LOG JAMS. SOME BANK SPOTS UPSTREAM.
EO-DATA: 1993: POPULATION ESTIMATED AT 150 TO 200 DURING MARK/RECAPTURE STUDY. POPULATION APPEARS HIGHLY ADULT BIASED. 1990: 1 TURTLE - MALE CARAPACE LENGTH 3 3/8" BY 3", PLASTRON 3" BY 2 3/8". TRAPPED AND RELEASED NEAR MOUTH OF LONG TOM. PHOTO TAKEN 1 TURTLE BASKING ON FALLEN LOG. ESTIMATED LENGTH 6-8".
EOTYPE:
COMMENTS: SEE WESTERN POND TURTLE REPORT FOR FERN RIDGE LAKE, 1993, USACE. ADJACENT TO ESTABLISHED NESTING AREA AT S. APPLEGATE. KAT PIPES, ACE REPORT ON WESTERN POND TURTLE OCCURRENCES, UPPER WILLAMETTE VALLEY RIVER SYSTEM, 1991.
ANNUAL OBSERVATION:
OWNER:
MANAGED AREA: FERN RIDGE WMA
MANAGE COMM:
PROT COMM: OWNED BY ACE AND MANAGED BY ODFW
BEST SOURCE: BEAL, KAT. US ARMY CORPS OF ENGINEERS, LOWELL, OR.

NAME: CLEMMYS MARMORATA MARMORATA
COMMON NAME: NORTHWESTERN POND TURTLE
EO-CODE: ARAAD02031*306 LAST OBS: 1993 FED STATUS: SOC
COUNTY(s): LANE FIRST OBS: 1993 STATE STATUS: SC
QUAD NAMES: VENETA LAT: 440305N SIZE:
PHYSIOGRAPHIC PROV: WV LONG: 1231825W MINELEV (Feet): 360
T-R-S: 017S005W 33,32 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: PRECISION: S
EO-RANK/COMM: :
DIRECTIONS: CORPS LAND SOUTH OF HWY. 26, WEST OF CENTRAL RD.
DESCRIPTION: PHALARSIS MARSH AND INCOMING CREEK.
EO-DATA: 1993: TURTLES PRESENT
EOTYPE:
COMMENTS:
NUAL OBSERVATION:
OWNER: FEDERAL

MANAGED AREA: FERN RIDGE DAM
MANAGE COMM: MANAGED FOR WATERFOWL AND OTHER WILDLIFE ADJACENT TO ESTABLISHED MISTY LANE NESTING AREA.
PROT COMM:
BEST SOURCE: BEAL, KAT. US ARMY CORPS OF ENGINEERS, LOWELL, OR.

NAME: CLEMMYS MARMORATA MARMORATA
COMMON NAME: NORTHWESTERN POND TURTLE
EO-CODE: ARAAD02031*307 LAST OBS: 1993 FED STATUS: SOC
COUNTY(s): LANE FIRST OBS: 1993 STATE STATUS: SC
QUAD NAMES: VENETA LAT: 440355N SIZE:
PHYSIOGRAPHIC PROV: WV LONG: 1232020W MINELEV (Feet): 360
T-R-S: 017S005W 30 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: PRECISION: S
EO-RANK/COMM: :
DIRECTIONS: EXTREME SW CORNER OF FERN RIDGE RESERVOIR, INCLUDES RIVER CHANNELS AND MARSH.
DESCRIPTION: ARTIFICIALLY CONSTRUCTED CHANNELS TO SPEED INFLOW TO RESERVOIR.
EO-DATA: 1993: TURTLES PRESENT
EOTYPE:
COMMENTS:
ANNUAL OBSERVATION:
OWNER: FEDERAL
MANAGED AREA: FERN RIDGE DAM
MANAGE COMM: MANAGED FOR FLOOD-CONTROL AND WILDLIFE.
PROT COMM:
BEST SOURCE: BEAL, KAT. US ARMY CORPS OF ENGINEERS, LOWELL, OR.

NAME: ASTER CURTUS
COMMON NAME: WHITE-TOPPED ASTER
EO-CODE: PDASTOTORO*025 LAST OBS: 1991-? FED STATUS: SOC
COUNTY(s): LANE FIRST OBS: 1991 STATE STATUS: LT
QUAD NAMES: VENETA LAT: 440427N SIZE:
IYSIOGRAPHIC PROV: WV LONG: 1232100W MINELEV (Feet): 375
T-R-S: 017S005W 19 QUADCODE: 4412313 MAXELEV (Feet):
017S006W 24
T-R-S COMMENTS: W2 SEC 19 PRECISION: S
E2 SEC 24
EO-RANK/COMM: :
DIRECTIONS: FERN RIDGE, APPLEGATE UNIT, FIELD ACROSS FROM THE HIGH SCHOOL
DESCRIPTION: NATIVE PRAIRIE
EO-DATA: SMALL POPULATIONS
EOTYPE:
COMMENTS:
ANNUAL OBSERVATION:
OWNER: FEDERAL
MANAGED AREA: FERN RIDGE DAM
MANAGE COMM:
PROT COMM:
BEST SOURCE: BEAL, KAT; ED ALVERSON

NAME: ASTER CURTUS
COMMON NAME: WHITE-TOPPED ASTER
EO-CODE: PDASTOTORO*026 LAST OBS: 1991-? FED STATUS: SOC
COUNTY(s): LANE FIRST OBS: 1991 STATE STATUS: LT
QUAD NAMES: VENETA LAT: 440242N SIZE: 1
PHYSIOGRAPHIC PROV: WV LONG: 1231817W MINELEV (Feet): 379
T-R-S: 017S005W 33 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: SW4 PRECISION: M
EO-RANK/COMM: :
DIRECTIONS: FERN RIDGE, SOUTH MARSH UNIT, GRASSLAND NORTH OF MISTY LANE. FOUND AT THE SOUTHERN TIP OF THE UNIT.
DESCRIPTION: NATIVE PRAIRIE
EO-DATA: SMALL POPULATION IN <1 ACRE
EOTYPE:

COMMENTS:
ANNUAL OBSERVATION:
OWNER: US ARMY CORPS OF ENGINEERS
MANAGED AREA: FERN RIDGE DAM
MANAGE COMM:
PROT COMM:
BEST SOURCE: KAT BEAL, CORPS OF ENGINEERS

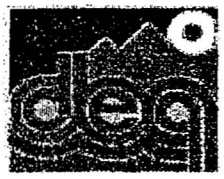
NAME: LOMATIUM BRADSHAWII
COMMON NAME: BRADSHAW'S LOMATIUM
EO-CODE: PDAPI1B030*021 LAST OBS: 1991- FED STATUS: LE
COUNTY(s): LANE FIRST OBS: 1988-03-12 STATE STATUS: LE
QUAD NAMES: VENETA LAT: 440315N SIZE: 2
PHYSIOGRAPHIC PROV: WV LONG: 1232115W MINELEV (Feet): 400
T-R-S: 017S006W 36,25 QUADCODE: 4412313 MAXELEV (Feet):
T-R-S COMMENTS: NE4NE4 SEC 36; SW4SE4 SEC 25 PRECISION: S
EO-RANK/COMM: B :
DIRECTIONS: VENETA
DESCRIPTION: MOWED & GRAZED GRASSLAND; CLAYEY FLOODPLAIN SOILS W/RANUNCULUS OCCIDENTALIS, JUNCUS SPP., AGROSTIS CAPILLARIS, CAMASSIA,PLAGIOBOTHRYS, CARDAMINE PENDULIFLORA.
EO-DATA: 1991: 2300 PLANT (NOT SYSTEMATIC SURVEY; A VISUAL ASSESSMENT). 1988: 259 PLANTS IN <3 ACRES. IN LEAF, BUD AND FLOWER
EOTYPE:
COMMENTS: 1996 LETTER, BRUCE NEWHOUSE RE 1991 OBSERVATION. 1987 BLM SIGHTING REPORT, ZIKA, PETER.
ANNUAL OBSERVATION:
OWNER: CITY OF VENETA
MANAGED AREA: STATE HIGHWAY MAINTENANCE DIST 5
MANAGE COMM: THREATS: SPRAYING, MOWING, DITCHING, ETC.
PROT COMM:
BEST SOURCE: ZIKA, PETER; ED ALVERSON; BRUCE NEWHOUSE

rds listed.

Figure 11 - Assessment Units

Assessment Code	*Associated Wetlands*
A	LT-4
B	LT-2, LT-3
C	LT-1 - West
D	LT-1 - East
E	FR-3, FR-4, FR-5, FR-6a, FR6b
F	LT-5
G	LT-6
H	LT-7
I	LT-8
J	FR-2
K	FR-1
L	U-2a
M	U-2b, U-3, U-4,U-5, U-6, U-7
M Continued	P-2, P-3, P-4, P-5
N	P-1, P-6
O	L-7, L-8, L-9
P	L-3a, L-3b, L-4, L-5, L-6, L-10, L-11
Q	L-2
R	L-1a, L-1b
S	M-1a, M-1b
T	M-2, M-3, M-4, M-5, M-6
U	M-7
V	U-1a, U-1b

Figure 12. DEQ Water Quality Listed Streams in the Study Area.



Water Quality Limited Streams
303(d) List
Willamette Basin

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Basin: Willamette **Sub Basin: Upper Willamette**

Amazon Creek Division Channel: 22E-ACDC0	Mouth to Headwaters - Dissolved Oxygen Cool Water Aquatic Life - May though October
Amazon Creek Division: 22E-ACDC0	Mouth to Headwaters: Water Contact Recreation (Fecal Coliform) - Annual
Calapooia River: 22E-CALA0	Mouth to Brush Creek: Temperature - Summer
Calapooia River: 22E-CALA0	Mouth to Brush Creek: Water Contact Recreation (Fecal Coliform) - Fall through Spring
Coyote Creek: 22E-COYO0	Mouth to Headwaters: Dissolved Oxygen - Cool Water Aquatic Life:May though October
Coyote Creek: 22E-COYO0	Mouth to Headwaters: Water Contact Recreation (Fecal Coliform) - Annual
Fern Ridge Reservoir: 22E.FERN	Reservoir: Turbidity
Fern Ridge Reservoir: 22E.FERN	Reservoir: Water Contact Recreation (Fecal Coliform) - Fall through Spring
Long Tom River: 22E-LONG0	Mouth to Fern RidgeReservoir: Temperature - Summer
Long Tom River: 22E-LONG0	Mouth to Fern RidgeReservoir: Water Contact Recreation (Fecal Coliform) - Fall through Spring
Luckiamute River: 22E-LUCK0	Mouth to Pedee Creek: Water Contact Recreation (Fecal Coliform) - Fall through Spring

FIGURE 13. WETLAND REPORT GLOSSARY

Active Water Table A condition in which the zone of soil saturation fluctuates, resulting in periodic anaerobic soil conditions. Soils with an active water table often contain bright mottles and matrix chromas of 2 or less.

Adaptation A modification of a species that makes it more fit for existence under the conditions of its environment. These modifications are the result of genetic selection processes.

Adventitious Roots Roots found on plant stems in positions where they normally do not occur.

Aerenchymous tissue A type of plant tissue in which cells are unusually large and arranged in a manner that results in air spaces in the plant organ. Such tissues are often referred to as spongy and usually provide increased buoyancy.

Aerobic A situation in which molecular oxygen is a part of the environment.

Alluvium Material, such as sand, silt or clay, deposited on land by streams.

Anaerobic Any process that can occur without oxygen. A condition in which molecular oxygen is virtually absent from the soil.

Annual A plant in which the life cycle is completed in a single growing season.

Aquatic Bed Wetland and deepwater habitats dominated by plants that grow principally on or below the surface of the water during most of the growing season in most years.

Aquatic Roots Roots that develop of stems above the normal position occupied by roots in response to prolonged inundation.

Aquatic Moisture Regime A mostly reducing soil moisture regime nearly free of dissolved oxygen due to saturation by ground water or its capillary fringe and occurring at periods when the soil temperature at 19.7 inches is greater than 5°C.

Arched Roots Roots produced on plant stems in a position above the normal position of roots, which serve to brace the plant during and following periods of prolonged inundation.

Areal Cover A measure of dominance that defines the degree to which above-ground portions of plants (not limited to those rooted in a sample plot) cover the ground surface. It is possible for the total areal cover in a community to exceed 100% because many plant communities consist of two or more vegetative strata (overstory, understory, ground cover, undergrowth), areal cover is estimated by vegetative layer and foliage within a single layer may overlap.

Artificial Wetland A created wetland requiring constant application of water or maintenance to provide wetland values.

Assessment Area (AA) The area for which functions and values are being assessed. The AA is characterized by a high degree of hydrologic interaction. Also **Assessment Unit.**

Atypical Situation This term refers to areas in which one or more parameters (vegetation, soil, and/or hydrology) have been sufficiently altered by recent human activities or natural events to preclude the presence of wetland indicators of the parameter.

Backwater Flooding Situations in which the source of inundation is over bank flooding from a nearby stream.

Basal Area The cross-sectional area of a tree trunk measured in square inches, square centimeters, etc. basal area is normally measured at 4.5 feet above the ground level and is used as a measure of dominance. The most easily used tool for measuring basal area is a tape marked in square inches. When plotless methods are used, an angle gauge or prism will provide a means for

also applicable to the cross-sectional area of a clumped herbaceous plant, measured at 1.0 inch above the soil surface.

Baseline Study An inventory of a natural community or environment that may serve as a model for planning or establishing goals for success criteria. Synonym: reference study.

Benchmark A fixed, more or less permanent reference point or object, the elevation and horizontal location of which is known or mapped.

Biennial An event that occurs at 2-year intervals.

Biotic Anything that is living.

Bio-Mass Organic matter, including woody part of trees, stored food, bones, living leaves and stems, leaf litter, seed bank, etc.

Buried soil A once-exposed soil now covered by an alluvial, loessal, or other deposit (including man-made).

Canopy The uppermost layer of vegetation in a plant community. In forested areas, mature trees comprise the canopy layer, while the tallest herbaceous species constitute the canopy layer in a marsh.

Capillary fringe A zone immediately above the water table (zero gauge pressure) in which water is drawn upward from the water by capillary action.

Cell A commonly occurring small, often monotypic, plant association within a more complex and diverse formally recognized plant association.

Channel A watercourse shown on a 1:24,000 scale topographic map with at least seasonal flow.

Channel Flow Observable movement of surface water (due to gradient currents) in a confined, concentrated zone. Includes intermittent channels.

Chemical reduction Any process by which one compound or ion acts as an electron donor. In such cases, the valence state of the electron donor is decreased.

Chroma The relative purity or saturation of a color; intensity of distinctive hue as related to grayness; one of the three variables of color.

Cluster Wetlands situated so that there is a large number of wetland acres per total square miles. Clustered wetlands are not necessarily contiguous.

Cobble Gravel A mixture of rock fragments ranging from 2 mm (0.08 inches) to 25. 4 cm (10 inches) in diameter.

Comprehensive wetland determination A type of wetland determination that is based on the strongest possible evidence, requiring the collection of quantitative data.

Concave Landscapes A landscape whose surface curves downward.

Concretion A local concentration of chemical compounds (e.g., calcium carbonate, iron oxide) in the form of a grain or nodule of varying size, shape, hardness, and color. Concretions of significance in hydric soils are usually iron and/or manganese oxides occurring at or near the soil surface, which develop under conditions of prolonged soil saturation.

Constricted Outlet A physical point where a wetland or deepwater narrows to a degree which may obstruct hydrologic interaction. Constrictions in channels are physical points where the wetland open deepwater are less than one-third the maximum width of the adjacent wetland open deepwater. Constrictions on standing bodies of water are points where the wetland open deepwater are less than one-tenth of the adjacent wetland open deepwater areas.

Context Region The area used during a Level 2 social significance assessment. During this process the uniqueness/heritage

value is assessed in the context of other wetlands in the area.

Contiguous Abutting, adjacent, or in close proximity and being connected by surface water.

Contour An imaginary line of constant elevation on the ground surface. The corresponding line on a map is called a contour line.

Control plot An area of land used for measuring or observing existing undisturbed conditions.

Created Wetland The conversion of a persistent upland or shallow water area into a wetland through man-induced activity.

Creation The conversion of a persistent non-wetland area into a wetland through some activity of man. This definition presumes the site has not been wetland within recent times (100-200 years) and thus restoration is not occurring. Created wetlands are subdivided into two types: artificial and man-induced. An artificially created wetland exists only as long as some continuous or persistent activity of man (i.e., irrigation, weeding) continues without attention from man and persist on their own. The one-time action might be intentional (i.e., earth moving to lower elevations) or unintentional (i.e., dam building). Wetlands created as a result of dredged material deposition may have subsequent periods during which additional deposits occur. Man-initiated is an acceptable synonym.

Criteria Standards, rules, or tests on which a judgment or decision may be based.

Deepwater Habitats Surface water deeper than 6.6 feet and lacking vegetation.

Degraded Wetland A wetland that has been altered through impairment of some physical or chemical property which results in a reduction of habitat value or other reduction of functions (e.g. flood storage).

Density The number of individuals per unit.

Detritus Minute fragments of plant parts found on the soil surface. When fused together by algae or soil particles, this is an indicator that surface water was recently present.

Diameter at breast height (DBH) The width of a plant stem as measured by height, areal cover, or basal area (for trees).

Distinct Readily seen but contrast only moderately with the color to which they are compared; a class of contrast intermediate between faint and prominent. In the same hue or a hue change (e.g. 10YR to 7.5YR or 10YR to 2.5Y), a change of two of three units in chroma or a change of three units of value or a change of two or three units of value and a change of one or two units of chroma or a change of one unit of value and two units of chroma. With a change of two hues (e.g. 10YR to 5Y or 10YR to 5YR), a change of zero to two units of value or a change of zero to two units of chroma is distinct.

Disturbed Wetland A wetland directly or indirectly altered from a natural condition, yet retaining some natural characteristics.

Dominance A descriptor of vegetation that is related to the standing crop of a species in an area, usually measured by height, areal cover, density, basal area (for trees) or a combination of parameters.

Dominant Plant Species A species that exerts a controlling influence on or defines the character of a community.

Drainage Class The degree of wetness of a soil as determined by the depth to a water table in the soil and the length of time the soil remains saturated. Common drainage classes included excessively drained, well drained, moderately well drained and poorly drained.

Drift line An accumulation of debris along a contour (parallel to the water flow) that

represents the height of an inundation event.

Duration (inundation/soil saturation) The length of time during which water stands at or above the soil surface (inundation), or during which the soil is saturated. As used herein, duration refers to a period during the growing season.

Ecological tolerance The range of environmental conditions in which a plant species can grow.

Ecosystem This includes all the aggregation of living organisms (biotic factors) but also the non-living (physical) elements in the environment in which they are interacting.

Effectiveness Effectiveness assesses the capability of a wetland to perform a function due to its physical, chemical and biological attributes. Effectiveness does not estimate the magnitude at which a function is performed, only the probability that a wetland will perform the function.

Emergent plant A rooted herbaceous plant species that has parts extending above a water surface.

Enhancement The increase in one or more values of all or a portion of an existing wetland by man's activities, often confused. For our purposes, the intentional alteration of an existing wetland to provide conditions which previously did not exist and which, by consensus, increase one or more values is enhancement. The diking of emergent wetlands to create persistent open water duck habitat is an example; the creation of a littoral shelf from open water habitat is another example. Some of the value of the emergent marsh may be lost as a result (i.e., brown shrimp nursery habitat).

Enhanced wetland An existing wetland where some activity of man increases one or more values, often with the accompanying decline in other wetland values.

Exotic Not indigenous to a region: intentionally or accidentally introduced and often persisting.

Experimental Plot An area of land used for measuring or observing conditions resulting from a treatment (i.e., an installation of particular plants).

Faint Evident only on close examination. In the same hue or one hue change (e.g. 10YR to 7.5YR or 10YR to 2.5Y), a change of one unit in chroma or one to two units in value or one unit of chroma and one unit of value.

Fe/Mn Concretions Firm to extremely firm irregularly shaped bodies with sharp to diffuse boundaries. When broken in half, concretions have concentric layers.

Fe/Mn Nodules Firm to extremely firm irregularly shaped bodies with sharp to diffuse boundaries. When broken in half, nodules do not have visible organized internal structure.

Field capacity The percentage of water remaining in a soil after it has been saturated and after free drainage is negligible.

Fill material Any material placed in an area to increase surface elevation.

Flooded A condition in which the soil surface is temporarily covered with flowing water from any source, such as streams overflowing their banks, runoff from adjacent or surrounding slopes, inflow from high tides, or any combination of sources.

Flora A list of all plant species that occur in an area.

Frequency (inundation or soil saturation) The periodicity of coverage of an area by surface water or soil saturation. It is usually expressed as the number of years (e.g., 50 years). The soil is inundated or saturated at least once each year during part of the growing season per 100 years or as a 1-, 2-, 5-year, etc. inundation frequency.

Frequency (vegetation) The distribution of individuals of a species in an area. It is quantitatively expressed as:

$$\frac{\text{Number of samples containing species A}}{\text{Total number of samples}} \times 100 =$$

More than one species may have a frequency of 100 percent within the same area.

Frequently flooded A flooding class in which flooding is likely to occur often under normal weather conditions (more than 50-percent chance of flooding in any year or more than 50 times in 100 years).

Function The physical, chemical, and biological processes or attributes of a wetland without regard to their importance to society.

Functional values Values determined by abiotic and biotic interactions as opposed to static measurements (e.g., biomass).

Gleyed A soil condition resulting from prolonged soil saturation, which is manifested by the presence of bluish or greenish colors through the soil mass or in mottles (spots or streaks) among other colors. Gleying occurs under reducing soil conditions resulting from soil saturation, by which iron is reduced predominantly to the ferrous state.

Gradient The elevation at the inlet (highest) minus the elevation at the outlet (lowest) divided by the straight line distance separating the inlet and outlet.

Groundwater That portion of the water below the surface of the ground whose pressure is greater than atmospheric pressure.

Growing Season The portion of the year when soil temperatures at 19.7 inches below the soil surface are higher than biologic zero (5° C). For ease of determination, this period can be approximated by the number of frost-free days.

Habitat The environment occupied by individuals of a particular species, population, or community.

Habitat value The suitability of an area to support a given evaluation species.

Headwater flooding A situation in which an area becomes inundated directly by surface runoff from upland areas.

Herb A non-woody seed plant with a relatively short-lived aerial portion.

Herbaceous An adjective referring to non-woody plants.

Herbaceous layer Any vegetative stratum of a plant community that is composed predominantly of herbs.

Histic epipedon An 8- to 16-inch, soil layer at or near the surface that is saturated for 30 consecutive days or more during the growing season in most years and contains a minimum of 20 percent organic matter when no clay is present or a minimum of 30 percent organic matter when 60 percent or greater clay is present.

Histosols An order in soil taxonomy composed of organic soils that have organic soil materials in more than half of the upper 80 cm or that are of any thickness if directly overlying bedrock.

Homogeneous vegetation A situation in which the same plant species association offers throughout an areal cover.

Horizon A layer, approximately parallel to the surface of the soil, distinguishable from adjacent layers by a distinctive set of properties produced by soil-forming processes.

Hue A characteristic of color that denotes a color in relation to red, yellow, blue, etc.; one of the three variables of color. Each color chart in the Munsell Color book (Munsell Color 1975) consists of a specific hue.

Hydric Soil A soil that is saturated, flooded or ponded long enough during the growing season to develop anaerobic conditions that favor the growth and regeneration of hydrophytic vegetation. Hydric soils are usually deprived of oxygen and undergo reducing conditions caused by prolonged periods of saturation.

Hydric Soil Condition A situation in which characteristics exist that are associated with soil development under reducing conditions.

Hydrologic Regime The sum total of water that occurs in an area on average during a given period.

Hydrologic Zone An area that is inundated or has saturated soils within a specified range of frequency and duration of inundation and soil saturation.

Hydrology The science dealing with the properties, distribution, and circulation of water.

Hydromorphic Features in the soil caused or formed by water.

Hydroperiod A term used to indicate the seasonal occurrence of flooding or saturated soil conditions.

Hydrophyte Any plant that grows in water or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content; plants typically found in wet habitats.

Hydrophytic Vegetation The sum total of macrophytic plant life growing in water or on a substrate that is at least periodically deficient in oxygen as a result of excessive water content. When hydrophytic vegetation comprises a community where indicators of hydric soils and wetland hydrology also occur, the area has wetland vegetation.

Hypertrophied Lenticels An exaggerated (oversized) pore on the surface of stems of woody plants through which gases are exchanged between the plant and the atmosphere. The enlarged lenticels serve as a mechanism for increasing oxygen to plant roots during periods of inundation and/or saturated soils.

Impervious Surface Surfaces where water infiltration is impeded by impermeable materials on top of the soil (e.g. concrete, asphalt).

Importance Value A quantitative term describing the relative influence of plant species in a plant community, obtained by summing any combination of relative frequency, relative density, and relative dominance.

Indicator As used in 1987 Wetlands Manual, an event, entity, or condition that typically characterizes a prescribed environment or situation; indicators determine or aid in determining whether or not certain stated circumstances exist.

Indicator Status One of the categories that describes the estimated probability of a plant species occurring in wetlands. (See *Plant Indicator Status Categories* List following Glossary)

Indigenous Species Native to a region.

In-kind Replacement Providing or managing substitute resources to replace the functional values of the resources lost, where such substitute resources are also physically and biologically the same or closely approximate those lost.

Inlet The point at which surface water enters the AA via a channel.

Intercellular Air Space A cavity between cells in plant tissues, resulting from variations in cell shape and configuration. Aerenchymous tissue (a morphological adaptation found in many hydrophytes) often has large intercellular air spaces.

Intermittent Surface water flow for a least ten consecutive days at least once every ten

years and dry for at least ten consecutive days every growing season.

Inundation A condition in which water from any source temporarily or permanently covers a land surface.

Levee A natural or man-made feature of the landscape that restricts movement of water into or through an area.

Liana As used in 1987 Wetlands Manual, a layer of vegetation in forested plant communities that consists of woody vines. The term may also be applied to a given species.

Limit of Biological Activity With reference to soils, the zone below which conditions preclude normal growth of soil organisms. This term often is used to refer to the temperature (5°C) in a soil below which metabolic processes of soil microorganisms, plant roots, and animals are negligible.

Long Duration (Flooding) A flooding class in which the period of inundation for a single event ranges from 7 days to 1 month.

Macrophyte Any plant species that can be readily observed without the aid of optical magnification. This includes all vascular plant species and mosses (e.g., *Sphagnum* spp.), as well as, large algae (e.g., *Chara* spp., kelp).

Macrophytic A term referring to a plant species that is a macrophyte.

Maintenance Any activities required to assure successful restoration after a project has begun (i.e., erosion control, water level manipulations).

Major Portion of the Root zone The portion of the soil profile in which more than 50 percent of plant roots occur. In wetlands, this usually constitutes the upper 12 inches of the profile.

Man-induced Wetland Any area that develops wetland characteristics due to some activity (e.g., irrigation) of man.

Mapping Unit As used in this manual, some common characteristic of soil, vegetation, and/or hydrology that can be shown at the scale of mapping for the defined purpose and objectives of a survey.

Matrix A soil color term that refers to the dominant color of the soil.

Meander The sinuous natural windings of a stream.

Mean Sea Level A datum, or "plane of zero elevation," established by averaging all stages of oceanic tides over a 19-year tidal cycle or "epoch." This plane is corrected for curvature of the earth and is the standard reference for elevations on the earth's surface. The correct term for mean sea level is the National Geodetic Vertical Datum (NGVD).

Mesophytic Any plant species growing where soil moisture and aeration conditions lie between extremes. These species are typically found in habitats with average moisture conditions, neither very dry nor very wet.

Metabolic Processes The complex of internal chemical reactions associated with life-sustaining functions of an organism.

Method A particular procedure or set of procedures to be followed.

Microrelief The elevations or inequalities of a land surface considered within a small specific, immediate area.

Mineral Soil A soil consisting predominantly of, and having its properties determined predominantly by, mineral matter usually containing less than 20 percent organic matter.

Mitigation The President's Council on Environmental Quality defined the term "mitigation" in the National Environmental Policy Act regulations to include "(a) avoiding the impact altogether by not taking a certain action or parts of an action; (b) minimizing impacts by limiting the degree

or magnitude of the action and its implementation; (c) rectifying the affected environment; (d) reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; and (e) compensating for the impact by replacing or providing substitute resources or environments" (40 CFR Part 1508.20(a-e)). For the purposes of this document, mitigation refers only to restorations, creation, or enhancement of wetlands to compensate for permitted wetland losses.

Mitigation Banking Wetland restoration, creation, or enhancement undertaken expressly for the purpose of providing compensation for wetland losses from future development activities. It includes only actual wetland restoration, creation, or enhancement occurring prior to elimination of another wetland as part of a credit program. Credits may then be withdrawn from the bank to compensate for an individual wetland destruction. Each bank will probably have its own unique credit system based upon the functional values of the wetland unique to the area. As defined here, mitigation programs, such as those in California, do accept money in lieu of actual wetland restoration, creation or enhancement.

Moderately Well Drained A soil that has a temporary water table for short periods of time in the lower part of the subsoil.

Monitoring Periodic evaluation of a mitigation site to determine success in attaining goals. Typical monitoring periods for wetland mitigation sites are three to five years.

Monotypic An extensive stand composed of a population of a single species.

Morphological Adaptation A feature of structure and form that aids in fitting a species to its particular environment (e.g., buttressed bas, adventitious roots, aerenchymous tissue).

Mottling See **Soft iron masses.** See also **Redoximorphic.**

Muck Highly decomposed organic material in which the original plant parts are not recognizable.

Multitrunk A situation in which a single individual of a woody plant species has several stems.

Natural Dominated by native biota and occurring within a physical system which has developed through natural processes (without human intervention), in which natural processes continue to take place.

Nodules See Fe/Mn Nodules.

NRCS Natural Resources Conservation Service formerly Soil Conservation Service.

Organic Matter Material derived from plant remains.

Opportunity Assesses the chance a wetland has to perform a function. For example, a wetland may possess the physical attributes required to perform floodflow alteration, but unless the wetland is positioned in the watershed where it will receive floodflow, it will not have the opportunity to perform the floodflow alteration function.

Outlet The point at which surface water exists in the AA.

Palustrine Non-tidal wetlands dominated by trees, shrubs and persistent emergent vegetation.

Percent Cover See Areal Cover.

Perched Water Table The top zone of saturated soil that lies above a very slowly permeable soil horizon. The soil in and beneath the slowly permeable horizon may not be saturated. Because water moving down through the soil cannot enter the restrictive layer, it builds up in the soil above, creating a saturated zone perched in the soil well above a permanent water table.

Permeability The rate that water moves within the soil. Permeability depends on the texture, structure and density of soil horizons. For the soil as a whole, the permeability rating is that of the least permeable horizon present.

Plant Associations Different plant species that tend to grow together under similar conditions (e.g. meadow barley/one-sided sedge association is a combination of species that is found together within the tufted hairgrass community).

Plant Communities All the plants inhabiting a common environment and interacting with one another.

Plot Any sampling unit in which data are collected based upon observations of soils, vegetation, hydrology, geology, micro-climate, etc. Plot sizes can vary in dimensions and shape.

Ponding Standing water on soils in closed depression. The water can be removed only by percolation or evaporation or transpiration.

Pore Linings Zones of accumulation that may be either coatings on a pore surface or impregnations of the matrix adjacent to the pore.

Probability Rating A measure of the potential of a wetland to perform a function. A probability rating is not a direct estimate of magnitude of a function or value, but rather it is an estimate of the probability that a function or value will exist or occur in a wetland to an unspecified degree.

Prominent Contrast strongly with the color to which they are compared. In the same hue or a one hue change (e.g. 10YR to 2.5Y or 10YR to 7.5YR), a change of four units in chroma or four unit in value. With a change of two hues (e.g. 10YR to 5Y or 10YR to 5YR), a change of three or more units of value or a change of three or more units of chroma is prominent.

Redox Concentrations Bodies of apparent accumulation of Fe/Mn oxides. Redox concentrations include soft masses, pore linings, nodules and concretions. For the purposes of the indicator's nodules and concretions are excluded from the concept of redox concentrations unless otherwise specified by specific indicators.

Redox Depletions Bodies of low chroma (two or less) having values of four or more where Fe/Mn oxides alone have been stripped out or where both Fe/Mn oxides and clay have been stripped out.

Redoximorphic Features or indicative properties in soil that are formed by the processes of reduction, translocation and oxidation of Fe and Mn oxides due to anaerobic conditions in soils that are saturated or inundated with water over extended periods of time.

Relict An organism, species or feature on the landscape of an earlier time surviving in an environment that has undergone considerable change.

Relict Features Soil morphological features that do not reflect the current hydrologic conditions of saturation and anaerobiosis.

Saturated Soil A piece of ground that is not flat or level. Vertical distance (elevation) separating two points divided by the horizontal distance between the same two points.

Sheetflow Observable movement of surface water not confined to a channel.

Shrub Swamp The wetland class dominated by woody vegetation less than 3.0 inches in diameter.

Social Significance A non-statistical measure of the importance society (locally or nationally) may assign to a wetland due to the official recognition of it natural features, economic value attributable to the wetland, strategic location of a wetland or other factors.

Soil Horizon A layer of soil, approximately parallel to the surface, having distinct characteristics produced by soil forming processes.

Soil Series A group of soils that have profiles that are almost alike, except for differences in texture of the surface layer or of the underlying material. All the soils of a series have horizons that are similar in composition, thickness and arrangement.

Surface Water Water above the surface of the ground that is visible to the unaided eye, whether in channels, diffuse flow or standing. Not necessarily permanent.

Substrate The base or substance on which an attached species is growing.

Transect A line on the ground along which observations are made at prescribed intervals and observed or measurable data recorded.

Transition Zone The area in which a change from wetland to non-wetland begins to occur.

Tree A woody plant > 3.0 inches in diameter at breast height, regardless of height (exclusive of woody vines).

Tufted Hairgrass Community At one time, in the Willamette Valley, this community dominated wetlands. Due to agriculture and development pressure there are only a few remnants of this community left. For this reason it is currently listed and tracked by the Oregon Natural Heritage Program (ONHP). This community has a suite of species occurring together, including shrubs, forbs, grasses and grass-likes. There are discreet plant associations within this community, such as vernal pool and creeping spikerush. One other occurrence is the combination of meadow barley and one-sided sedge. These two form an association which is rarely encountered and, as such, is currently being tracked by the ONHP. This association is an indicator of species diversity within the larger community structure of tufted hairgrass.

Upland Any area that does not qualify as a wetland because the associated hydrologic regime is not sufficiently wet to elicit development of vegetation, soils, or hydrologic characteristics associated with wetlands. Such areas occurring within floodplains are more appropriately termed non-wetlands.

Water Table The upper surface of ground water or that level below which the soil is saturated with water. The saturated zone must be at least 6 inches thick and persist in the soil for more than a few weeks.

Wetlands Transitional areas between aquatic and terrestrial lands that are inundated or saturated by surface or groundwater 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.

Wetland Boundary The point on the ground at which a transformation from wetlands to non-wetland occurs.

Wetland Dependent A term for species that may use non-wetland habitats, but occur in wetlands a preponderance of the year, or which have critical life requirements met by wetlands that are not provided by non-wetlands.

Wetland Indicator Status The exclusiveness with which a plant species occurs in wetlands.

Wetland System This refers to a category of wetlands that share the influence of similar hydrologic, geomorphologic, chemical or biological factors.

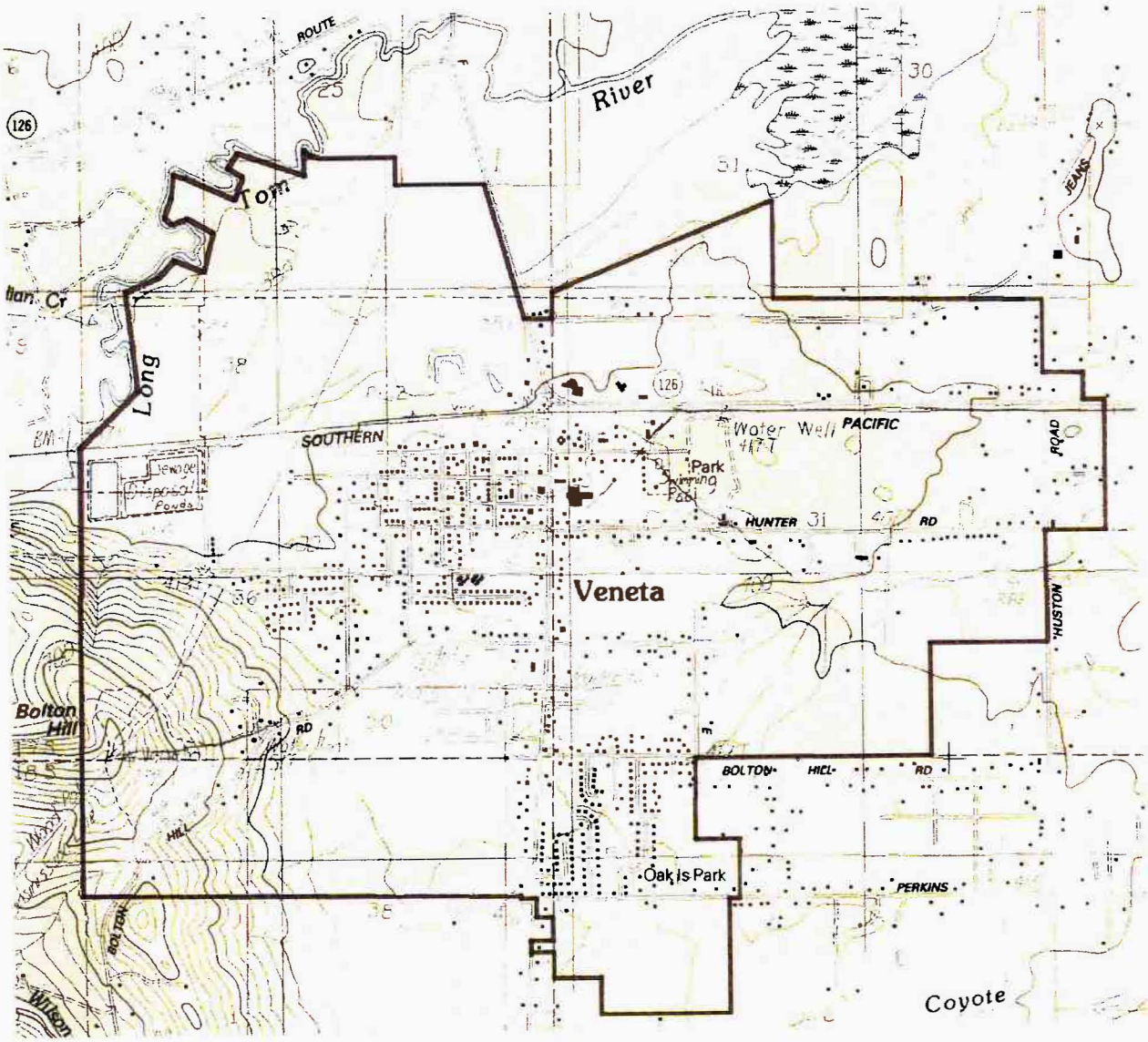


Figure 2. USGS Topo Map (1"=2000'). Veneta/Noti Quadrangles. 7.5 Minute Series. Veneta Local Wetland Inventory for the City of Veneta, Lane County, Oregon *Wetland Specialties, Inc.* September 1997

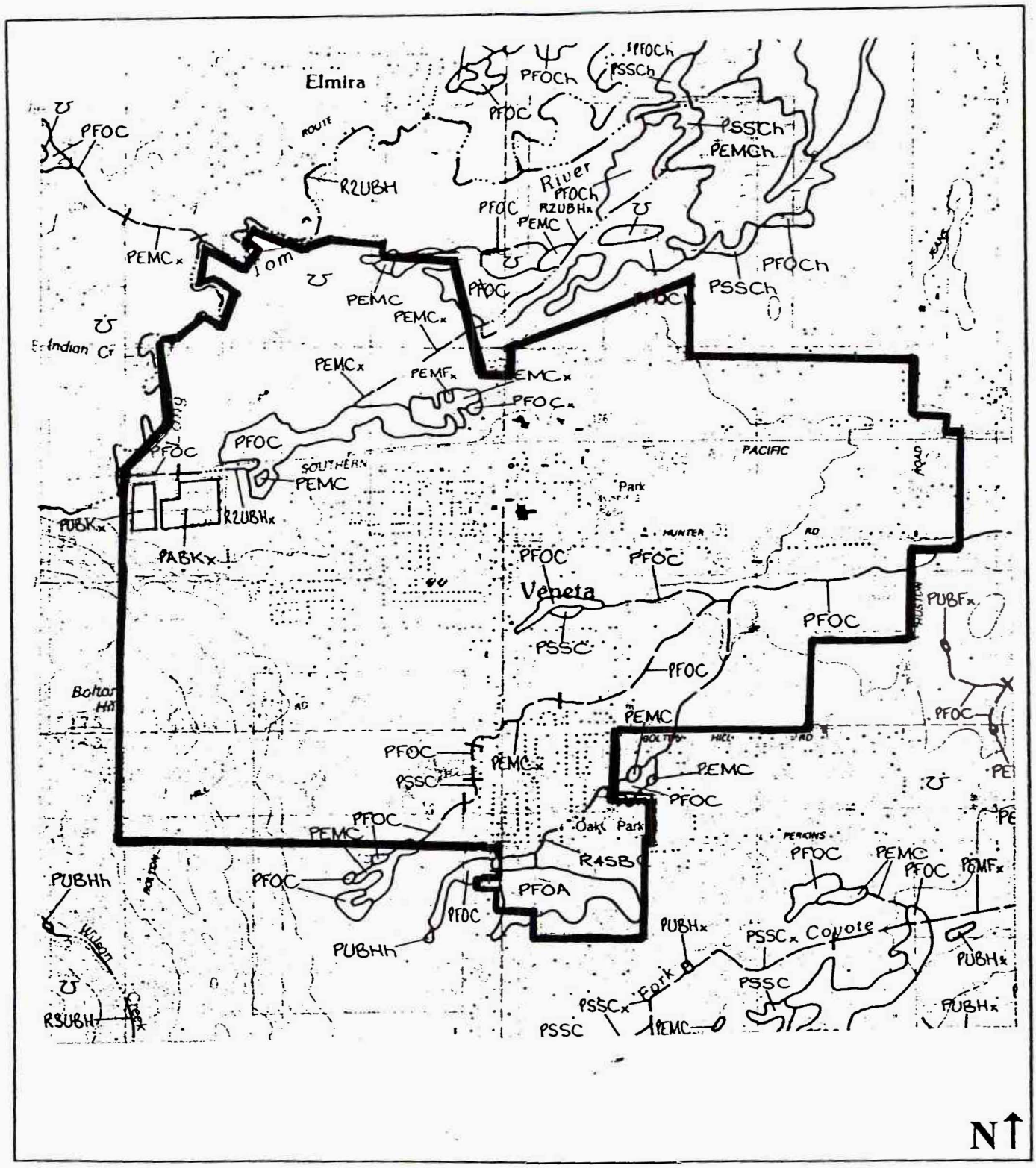


Figure 3. NWI Map. Veneta Quadrangle (1"=2000')
Veneta Local Wetland Inventory for the City of Veneta, Lane County , Oregon.
Wetland Specialties, Inc. October, 1997.

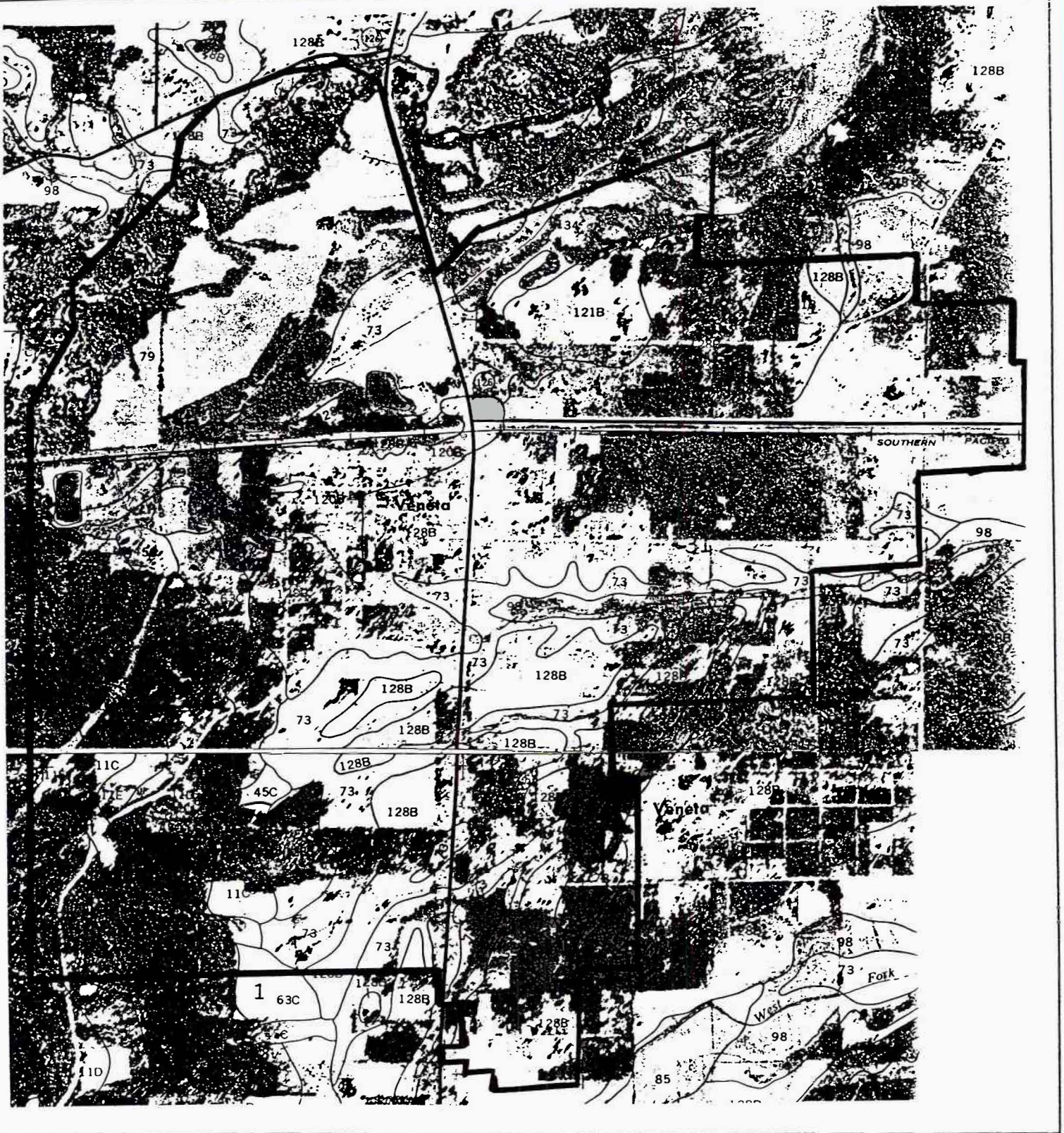
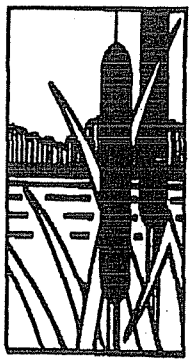


Figure 4. NRCS Soils Map (1:20,000).
Veneta Local Wetland Inventory for the City of Veneta, Lane County, Oregon
Wetland Specialties, Inc. September 1997

Appendix II
The Data

RIPARIAN INVENTORY
THE WETLAND CHARATERIZATION SHEETS
THE FIELD DATA SHEETS



Riparian Assessment Methodology

Project:	9731 Veneta LWI
Location:	Veneta, Oregon
Riparian Code:	RI-1
Approximate Riparian Width:	275 feet
Associated Wetland Codes:	LT 5, LT 6, LT 7, LT 8
Date:	September 11, 1997
Investigators:	Jennifer Guard and Peter Stinson

Thermal Regulation		Erosion Control		Flood Control Water Quality		Wildlife Habitat	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	Q-1	A	Q-1	A
Q-2	C	Q-2	B	Q-2	A	Q-2	A
Q-3	A	Q-3	C	Q-3	A	Q-3	A
Q-4	B	Q-4	B	Q-4	A	Q-4	A
		Q-5	B			Q-5	A
						Q-6	A
						Q-7	B

Results:

Thermal Regulation	Moderate Value
Erosion Control	Moderate Value
Flood Control/Water Quality	High Value
Wildlife Habitat	High Value

Riparian Assessment Methodology

Function and Condition Summary Sheet for Riparian Areas

Project Name: Veneta LWI

Riparian Code: RI-1

Function	Assesment	Rationale
Thermal Regualtion	Moderate Value	Dominant plant community type is woody vegetation > 20 feet tall; bank angle is steep; some disturbance exists; low percentage shaded
Erosion Control	Moderate Value	Steep slope, prone to erosion; moderate degree of disturbance can lead to erosion; severe erosion is already present; soil is prone to moderate erosion; vegetative cover helps stabilize banks
Flood Control/ Water Quality	High Value	Woody vegetation; wetlands present; broad flood plain; woody debris in stream.
Wildlife Habitat	High Value	Diverse vegetative strata with dominant woody species; water present year round for wildlife; woody debris slows water and provides habitat

Veneta Riparian Inventory

Date(s) of Field Work:	September 11, 1997	Stream Name:	Long Tom River
Investigators:	Jennifer Guard and Peter Stinson	Stream Reach:	
Location:	Site 1	Reach Length:	100 feet
Hydrologic Basin:	Long Tom River	Stream Order:	
Associated Wetlands:	LT7	Tax Lot(s):	
Adjacent Land Use:	Livestock grazing, Oregon County Fair	Stream Flow Direction:	North
Soil Type:	Loam: Same as NRCS mapped type	NRCS Mapped Soil Type:	(79) McBee

Channel Characteristics:

Channel Width 30 Feet Bank Full Depth: 58 Feet Est. Depth of OHW: 18 Feet

Bank Condition:	Stable		Minor Erosion		Severe Erosion	✓	
Percent Shaded:	0-25%	✓	26-50%		51-75%		>75%	
Riparian Classes:	FOD	✓	FOC		SS		EM	
Woody Debris:	Present	✓	Not Present					
Substrate:	Organic		Sand		Silt	✓	Gravel	Other	
Degree of Human Channel Modification:	High		Moderate		Low	✓		

Comments: Livestock impact high. Dead cow in the creek.

Dominant Riparian Vegetation

Trees	Shrubs	Graminoids	Forbs
Faxinus latfolia *Acer macrophyllum* *Populus balsamifera* var. *trichocarpa* *Quercus garryana* *Alnus rubra*	*Salix Spp.* *Cornus sericea* *Physocarpus capitatus* *Symphoricarpos albus* *Crataegus douglasii* *Spiraea douglasii*	*Phalaris arundinacea* *Carex obnupta* *Cinna latfolia*	

Riparian Measurements (Measured from Top of Bank(TOB), Looking Downstream)

Distance TOB to Break in Slope	Left:	14 Feet		Right:	13 Feet		
Distance TOB to Veg. Community Change	Left:	4 Feet		Right:	2 Feet		
Slope of Riparian Zone	Left:	0-10%		11-19%		>20%	✓
	Right:	0-10%		11-19%		>20%	✓
Degree of Riparian Zone Disturbance	High	✓	Moderate		Low		
Width of Riparian Zone	Left:	125 Feet		Right:	150 Feet		

Rationale/Comments: Incipient oxbow.

Riparian Assessment Methodology

Project: 9731 Veneta LWI
Location: Veneta, Oregon
Riparian Code: R1-2
Approximate Riparian Width: 170 feet
Associated Wetland Codes: LT 5, LT 6, LT 7, LT 8
Date: September 11, 1997 Investigators: Jennifer Guard and Peter Stinson

Thermal Regulation		Erosion Control		Flood Control Water Quality		Wildlife Habitat	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
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-3	B	Q-3	C	Q-3	A	Q-3	A
Q-4	B	Q-4	B	Q-4	A	Q-4	A
		Q-5	B			Q-5	A
						Q-6	A
						Q-7	B

Results:

Thermal Regulation	Moderate Value
Erosion Control	Moderate Value
Flood Control/Water Quality	High Value
Wildlife Habitat	High Value

Riparian Assessment Methodology

Function and Condition Summary Sheet for Riparian Areas

Project Name: Veneta LWI

Riparian Code: RI-2

Function	Assesment	Rationale
Thermal Regualtion	Moderate Value	Dominant plant community type is woody vegetation > 20 feet tall; bank angle is moderately steep; some disturbance exists; low percentage shaded
Erosion Control	Moderate Value	Steep slope, prone to erosion; moderate degree of disturbance can lead to erosion; severe erosion is already present; soil is prone to moderate erosion; vegetative cover helps stabilize banks
Flood Control/ Water Quality	High Value	Woody vegetation; wetlands present; broad flood plain; woody debris in stream; provides excellent flood control and water quality functions
Wildlife Habitat	High Value	Dominant woody species; water present year round for wildlife; woody debris slows water and provides habitat; wide riparian area; diverse vegetative strata

Veneta Riparian Inventory

Date(s) of Field Work: September 11, 1997	Stream Name: Long Tom River
Investigators: Jennifer Guard and Peter Stinson	Stream Reach: √
Location: Site 2	Reach Length: 100 feet
Hydrologic Basin: Long Tom River	Stream Order: √
Associated Wetlands: LT7	Tax Lot(s): √
Adjacent Land-Use: Livestock grazing, Oregon Country Fair	Stream Flow Direction: North
Soil Type: Same (79) McBee	NRCS Mapped Soil Type: (79) McBee

Channel Characteristics:

Channel Width 150 Feet Bank Full Depth: 20 Feet Est. Depth of OHW: 10 Feet

Bank Condition:	Stable		Minor Erosion		Severe Erosion	✓	
Percent Shaded:	0-25%	✓	26-50%		51-75%		>75%	
Riparian Classes:	FOD	✓	FOC		SS		EM	
Woody Debris:	Present	✓	Not Present					
Substrate:	Organic		Sand		Silt	✓	Gravel	Other
Degree of Human Channel Modification:	High		Moderate		Low	✓		

Comments: High degree of livestock damage to right bank.

Dominant Riparian Vegetation

Trees	Shrubs	Graminoids	Forbs
Faxinus latfolia *Acer macrophyllum*	*Cornus sericea* *Physocarpus capitatus* *Acer circinatum* *Sambucus racemosa* *Spiraea douglasii* *Viburnum edule*	*Phalaris arundinacea*	*Polygonum persicaria* *Rumex salicifolius*

Riparian Measurements (Measured from Top of Bank(TOB), Looking Downstream)

Distance TOB to Break in Slope	Left:	16 Feet		Right:	14 Feet		
Distance TOB to Veg. Community Change	Left:	8 Feet		Right:	6 Feet		
Slope of Riparian Zone	Left:	0-10%		11-19%	✓	>20%	
	Right:	0-10%		11-19%		>20%	✓
Degree of Riparian Zone Disturbance	High	✓	Moderate		Low		
Width of Riparian Zone	Left:	70 Feet		Right:	100 Feet		

Rationale/Comments: OCF structures in riparian zone on left side. Intense livestock disturbance on right side. Right side is terraced or stepped.

Riparian Assessment Methodology

Project: 9731 Veneta LWI
Location: Veneta, Oregon
Riparian Code: RI-3
Approximate Riparian Width: 150 feet
Associated Wetland Codes: LT 5, LT 6, LT 7, LT 8
Date: September 11, 1997 Investigators: Jennifer Guard and Peter Stinson

Thermal Regulation		Erosion Control		Flood Control Water Quality		Wildlife Habitat	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	Q-1	A	Q-1	A
Q-2	C	Q-2	B	Q-2	A	Q-2	A
Q-3	A	Q-3	C	Q-3	A	Q-3	A
Q-4	B	Q-4	B	Q-4	A	Q-4	A
		Q-5	B			Q-5	A
						Q-6	A
						Q-7	B

Results:

Thermal Regulation	Moderate Value
Erosion Control	Moderate Value
Flood Control/Water Quality	High Value
Wildlife Habitat	High Value

Riparian Assessment Methodology

Function and Condition Summary Sheet for Riparian Areas

Project Name: Veneta LWI

Riparian Code: RI-3

Function	Assesment	Rationale
Thermal Regualtion	Moderate Value	Dominant plant community type is woody vegetation > 20 feet tall; bank angle is steep; some disturbance exists; low percentage shaded
Erosion Control	Moderate Value	Steep slope, prone to erosion; moderate degree of disturbance can lead to erosion; severe erosion is already present; soil is prone to moderate erosion; vegetative cover helps stabilize banks
Flood Control/ Water Quality	High Value	Woody vegetation; wetlands present; broad flood plain; woody debris in stream.
Wildlife Habitat	High Value	Diverse vegetative strata with dominant woody plant species; water present year round for wildlife; woody debris slows water and provides aquatic habitat

Veneta Riparian Inventory

Date(s) of Field Work: September 11, 1997	Stream Name: Long Tom River
Investigators: Jennifer Guard and Peter Stinson	Stream Reach: √
Location: Site 3	Reach Length: 100 feet
Hydrologic Basin: Long Tom River	Stream Order: √
Associated Wetlands: √	Tax Lot(s): √
Adjacent Land-Use: Agriculture	Stream Flow Direction: North east
Soil Type: Same as NRCS mapped type	NRCS Mapped Soil Type: (79) McBee

Channel Characteristics:

Channel Width 75 Feet Bank Full Depth: 18 Feet Est. Depth of OHW: 11 Feet

Bank Condition:	Stable		Minor Erosion		Severe Erosion	✓	
Percent Shaded:	0-25%	✓	26-50%		51-75%		>75%	
Riparian Classes:	FOD	✓	FOC		SS		EM	
Woody Debris:	Present	✓	Not Present					
Substrate:	Organic		Sand		Silt	✓	Gravel		Other	
Degree of Human Channel Modification:			High		Moderate		Low	✓

Comments:

Dominant Riparian Vegetation

Trees	Shrubs	Graminoids
Faxinus latfolia *Salix sitchensis* *Quercus garryana* *Acer macrophyllum*	*Cornus sericea* *Physocarpus capitatus* *Acer circinatum* *Crataegus douglasii* *Rubus discolor, R. laciniatus. R. ursinus*	*Phalaris arundinacea* *Carex obnupta* *Agrostis capillaris* *Festuca arundinacea*

Riparian Measurements (Measured from Top of Bank(TOB), Looking Downstream)

Distance TOB to Break in Slope	Left:	10	Feet	Right:	12	Feet		
Distance TOB to Veg. Community Change	Left:	4	Feet	Right:	5	Feet		
Slope of Riparian Zone	Left:	0-10%		11-19%	✓	>20%		
	Right:	0-10%		11-19%		>20%	✓	
Degree of Riparian Zone Disturbance	High	✓	Moderate		Low			
Width of Riparian Zone	Left:	20	Feet	Right:	80	Feet		

Rationale/Comments:

Riparian Assessment Methodology

Project: 9731 Veneta LWI
Location: Veneta, Oregon
Riparian Code: RI-4
Approximate Riparian Width: 150 feet
Associated Wetland Codes: LT 5, LT 6, LT 7, LT 8
Date: September 11, 1997 Investigators: Jennifer Guard and Peter Stinson

Thermal Regulation		Erosion Control		Flood Control Water Quality		Wildlife Habitat	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	Q-1	A	Q-1	A
Q-2	B	Q-2	B	Q-2	A	Q-2	A
Q-3	A	Q-3	C	Q-3	A	Q-3	A
Q-4	B	Q-4	B	Q-4	A	Q-4	A
		Q-5	B			Q-5	A
						Q-6	A
						Q-7	B

Results:

Thermal Regulation	High Value
Erosion Control	Moderate Value
Flood Control/Water Quality	High Value
Wildlife Habitat	High Value

Riparian Assessment Methodology

Function and Condition Summary Sheet for Riparian Areas

Project Name: Veneta LWI

Riparian Code: RI-4

Function	Assesment	Rationale
Thermal Regualtion	High Value	Moderate shade and disturbance are upgraded by tall canopy and steep bank angle
Erosion Control	Moderate Value	Steep slope, prone to erosion; severe erosion is already present; countered by slight disturbance; moderate erosional NRCS soil status; vegetative cover helps stabilize banks
Flood Control/ Water Quality	High Value	Woody vegetation; wetlands present; broad flood plain; woody debris in stream; provides excellent flood control and water quality functions
Wildlife Habitat	High Value	Dominant woody species; water present year round for wildlife; woody debris slows water and provides habitat; wide riparian are; diverse vegetative strata

Veneta Riparian Inventory

Date(s) of Field Work: September 11, 1997	Stream Name: Long Tom River
Investigators: Jennifer Guard and Peter Stinson	Stream Reach: 1
Location: Site 4	Reach Length: 100 feet
Hydrologic Basin: Long Tom River	Stream Order: √
Associated Wetlands: √	Tax Lot(s): √
Adjacent Land-Use: √	Stream Flow Direction: North east
Soil Type: √	NRCS Mapped Soil Type: (79) McBee

Channel Characteristics:

Channel Width 75 Feet Bank Full Depth: 17 Feet Est. Depth of OHW: 11 Feet

Bank Condition:	Stable		Minor Erosion		Severe Erosion	✓	
Percent Shaded:	0-25%		26-50%	✓	51-75%		>75%
Riparian Classes:	FOD	✓	FOC		SS		EM
Woody Debris:	Present	✓	Not Present				
Substrate:	Organic		Sand		Silt	✓	Gravel		Other	
Degree of Human Channel Modification:	High		Moderate		Low	✓	

Comments:

Dominant Riparian Vegetation

Trees	Shrubs	Graminoids
Faxinus latfolia *Salix sitchensis* *Quercus garryana* *Acer macrophyllum*	*Cornus stolonifera* *Physocarpus capitatus* *Acer circinatum* *Crataegus douglasii* *Rubus discolor* *Rubus laciniatus* *Rubus ursinus*	*Phalaris arundinacea* *Carex obnupta* *Agrostis capillaris* *Festuca arundinacea*

Riparian Measurements (Measured from Top of Bank(TOB), Looking Downstream)

Distance TOB to Break in Slope	Left:	10	Feet	Right:	4	Feet		
Distance TOB to Veg. Community Change	Left:	7	Feet	Right:	5	Feet		
Slope of Riparian Zone	Left:	0-10%		11-19%		>20%	✓	
	Right:	0-10%		11-19%		>20%	✓	
Degree of Riparian Zone Disturbance	High	✓	Moderate		Low			
Width of Riparian Zone	Left:	40	Feet	Right:	140	Feet		

Rationale/Comments:

L-NFCD-1a

DRAINAGE BASIN:	LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER:	1a
WETLAND ACREAGE:	1.24 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    SP L1a-1a
    SP L1a-1b

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/22/97	Wetland Mapping Code:	L-NFCD-1a
Data Sheet Numbers:	L1a-1a, L1a-1b	Size (acres):	1.24
Investigators:	PRS, DLL	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	R

Location:

Legal:	T18S, R05W, Sec. 6	Tax Lot(s):	1805 0620 2100, 2400, 2200
Other	25102 Perkins Rd		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (73) Linslaw, (98) Noti	Observed:	Hydric
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Spiraea douglasii*	*Oenanthe sarmentosa*	*Carex obnupta*
Alnus rubra	*Rosa nutkana*	*Gnaphalium palustre*	*Eleocharis cicularis*
	Crataegus douglasii	*Mentha pulegium*	*Juncus effusus*
	Prunus avium	*Veronica scutellata*	

Comments: PEM = 20% PSS = 30% PFO = 50%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	July 22, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	25102 Perkins Rd.	Tax lot number:	1805 0620 2100	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L1a-1a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Forested-Oregon ash/
Is the site a potential problem area?	Yes		No	✓		Douglas' spiraea channel

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	30%
ELAC	hairy spikerush	*Eleocharis acicularis*	G-L	OBL	20%
FOAN	water moss	*Fontinalis antipyretica*	Moss	NOL	30%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 120%

Non-dominant vegetation: red alder: FAC, pennyroyal: OBL, slough sedge: OBL Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >16 inches Depth to saturated soil: >16 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: Buried sewer line in stream bed on NW edge of parcel Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam Drainage class: Somewhat poorly drained

Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-2	10YR 4/3	silty clay loam	FF ORZs; FMP 7.5YR 4/4 SIMs
2-7	10YR 5/3	silty clay loam	FMP 7.5YR 4/6; CMD 7.5YR 4/4 SIMs
7-16	10YR 4/3	silty clay loam	FMP 7.5YR 4/4 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No: Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 22, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25102 Perkins Rd. | Tax lot number: 1805 0620 2100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L1a-1b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oak/ Douglas fir forest
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PSME	Douglas Fir	*Pseudotsuga menziesii*	Tree	FACU	25%
QUGA	white oak	*Quercus garryana*	Tree	UPL	40%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%
POMU	swordfern	*Polystichum munitum*	L-V	FACU	25%
COCO	hazelnut	*Corylus cornuta*	Shrub	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 135%
Non-dominant vegetation: Oregon grape: NOL (15%); youth-on-age: FAC (10%) Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >16 inches Depth to saturated soil: >16 inches
Are hydrology indicators present? Yes [√] No [ ]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [✓] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Notes: Buried sewer line in stream bed on NW edge of parcel Criterion met? No

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-2	10YR 4/3	silty clay loam	FF ORZs
2-16	10YR 4/3	silty clay loam	None present

Hydric soil indicators: Yes [ ] No [√]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [√] Designation: Upland

L-NFCD-1b

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 1b
WETLAND ACREAGE: .40 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/21 & 12/10/97	Wetland Mapping Code:	L-NFCD-1b
Data Sheet Numbers:	Offsite (none)	Size (acres):	.40
Investigators:	BJG	Wetland Classifications:	PEM
		OFWAM Code	R

Location:

Legal:	T18S, R05W, Sec. 6	Tax Lot(s):	1805 0620 2400, 2300, 2302, 2200
Other	Perkins Rd		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (73) Linslaw, (98) Noti	Observed:	Not sampled
Hydrologic Source:	Intermittent surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Spiraea douglasii*	*Oenanthe sarmentosa*	*Carex obnupta*
Quercus garryana	*Cornus sericea*		*Agrostis tenuis*
Psuedotsuga menziesii	*Corylus cornuta*		
Acer macrophyllum	*Salix spp.*		

Comments: Water moss, Fontanalis antipyretica, in active channel. Area of wetland in a vacant undeveloped lot between wooded channel and 8' wood fence behind houses. PEM 100%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine onsolidated bottom

L-NFCD-2

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 2
WETLAND ACREAGE: 1.27 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	12/10/97	Wetland Mapping Code:	L-NFCD-2
Data Sheet Numbers:	Offsite (none)	Size (acres):	1.27
Investigators:	PRS & BJG	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	Q

Location:

Legal:	T18S, R05W, Sec. 6	Tax Lot(s):	1700 1800, 1900, 2000
Other	South side of Perkins Rd		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Not sampled
Hydrologic Source:	Rainfall, intermittent surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Spiraea douglasii*	*Oenanthe sarmentosa*	*Carex obnupta*
Quercus garryana	*Cornus sericea*		*Agrostis tenuis*
Psuedotsuga menziesii	*Corylus cornuta*		
Acer macrophyllum	*Salix spp.*		

Comments: L2 is a continuation of the lower North Fork Coyote Drainage Basin. It flows via a culvert under Perkins Road, then daylights out onto this site. Tax lot 1700 was observed from Perkins Rd. It has been denuded of vegetation; a few trees remain along the drainageway. The other tax lots were observed from TL1700, air photos or other mapping. PEM=50%, PSS=25%, PFO=25%.

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-3a

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 3a
WETLAND ACREAGE: .41 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/21/97	Wetland Mapping Code:	L-NFCD-3a
Data Sheet Numbers:	Offsite (none)	Size (acres):	.41
Investigators:	BJG & PRS	Wetland Classifications:	PEM
		OFWAM Code	P

Location:

Legal:	T18S, R05W, Sec. 6	Tax Lot(s):	1805 0620 600, 705, 709, 711
Other	25215 Perkins Rd & 87716 Erdman Way		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (73) Linslaw, (98) Noti	Observed:	Not sampled
Hydrologic Source:	Surface drainage (intermittent) & surface run-off		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids

Comments: Only the southwest corner of tax lot 711 includes wetlands. The site is a tree farm. The drainage associated with this wetland is a small tributary to the L-NFCD hydrologic system. This wetland is not a vital component to any of the surrounding wetland systems. PEM = 100%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-3b

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 3b
WETLAND ACREAGE: .25 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/21/97	Wetland Mapping Code:	L-NFCD-3b
Data Sheet Numbers:	Offsite (none)	Size (acres):	.29
Investigators:	BJG & PRS	Wetland Classifications:	PEM
		OFWAM Code	P

Location:

Legal:	T18S, R05W, Sec. 6	Tax Lot(s):	1805 0620 600, 500
Other	25215 Perkins Rd & 87716 Erdman Way		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta loam, (73) Linslaw, (98) Noti	Observed:	Not sampled
Hydrologic Source:	Rainfall, surface flow, intermittent run-off		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids

Comments: The channel is between 8' and 15' wide along this wetland unit. It was observed from Erdman Wy. & Perkins Rd. An indivdual OFWAM assessment was not conducted of 3b. See OFWAM L-NFCD-3a and OFWAM Code P. PEM= 100%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-4

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 4
WETLAND ACREAGE: 1.86 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/21/97	Wetland Mapping Code:	L-NFCD-4
Data Sheet Numbers:	Offsite (none)	Size (acres):	1.86
Investigators:	BJG	Wetland Classifications:	PEM, PFO
		OFWAM Code	P

Location:

Legal:	T18S, R05W, Sec. 6	Tax Lot(s):	1805 06 324, 400, 600
Other	20215 Perkins Rd (400 at east end of Cherry St)		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (73) Linslaw, (98) Noti	Observed:	Not sampled
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids

Comments: Parts of this unit have been recently logged. Site was observed from Oak Island Drive and mapped on the basis of that observation and aerial photography. The wetland on this site appears to continue to the east (TL 1805 06 2000 300) out of the study area boundary. PEM = 25%, PFO = 65%, PUB = 10%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-5

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 5
WETLAND ACREAGE: .84 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	7/15/97	Wetland Mapping Code:	L-NFCD-5
Data Sheet Numbers:	Offsite (none)	Size (acres):	.84
Investigators:	BJG	Wetland Classifications:	PUB, PEM, PSS, PFO
		OFWAM Code	P

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 4100
Other	E Bolton Rd (south of 25253 E Bolton Rd)		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (73) Linslaw, (98) Noti	Observed:	Not sampled
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Salix spp.* *Crataegus douglasii*	*Oenanthe sarmentosa* *Veronica scutellata*	*Carex obnupta* *Juncus effusus* *Agrostis tenuis*

Comments: Recent logging (within 15 years) - Drainageway enters site via culvert. Drainageway appears broad and shallow. PUB = 10%, PEM = 30% PSS = 35% PFO = 25%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-6

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 6
WETLAND ACREAGE: 2.40 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    SP L6-2a
    SP L6-2b
    SP L6-2c
    SP L6-3a
    SP L6-3b

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	08/05/97	Wetland Mapping Code:	L-NFCD-6
Data Sheet Numbers:	L6-2a, b, c, L6-3a, L6-3b	Size (acres):	2.40
Investigators:	BJG	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	P

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 3900, 4000
Other	Landlocked		500
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(98) Noti	Observed:	Noti loam
Hydrologic Source:	Surface flow, drainageway		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Spiraea douglasii*	*Oenanthe sarmentosa*	*Carex obnupta*
Pseudotsuga menziesii	*Cytisus scoparius*	*Pteridium aquilinum*	*Eleocharis acicularis*
Quercus garryana	*Rubus ursinus*	*Veronica scutellata*	*Cynosurus echinata*
	Corylus cornuta	*Hypochaeris radicata*	*Holcus lanatus*
		Mentha pulegium	*Juncus effusus*
			Carex feta
			Carex unilateralis
			Poa pratensis
			Carex densa

Comments: *Fontanalis antipyretica* in drainageway. High restoration-type mitigation potential associated with disturbance in the area sampled by SP 2b, SP 2c and SP 3a & 3b were established in order to sample changes in plant communities associated with both uplands and wetlands.
PEM = 30% PSS = 20% PFO = 50%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25253 E. Bolton Rd. | Tax lot number: 1705 3130 4000 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L6-2a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash, Douglas' spiraea,
Is the site a potential problem area?	Yes		No	✓		slough sedge drainageway

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	80%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	20%
FOAN	water moss	*Fontinalis antipyretica*	Moss	NOL*	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 160%
Non-dominant vegetation: hazelnut: NO, marsh speedwell: OBL, veronica: OBL
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: @ 11 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [✓] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts*
Drainage class: Poorly drained
On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	silt loam	None present
6-18	10YR 3/3	loam	CMP 7.5YR 4/4 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[✓]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[✓]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Low chroma color only occurs in upper 6 inches
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland
Comments: Many bleach and milk bottles. *Watermoss is obviously an obligate indicating plant.

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25253 E. Bolton Rd. | Tax lot number: 1705 3130 4000 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L6-2b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Spiraea and mixed wetland
Is the site a potential problem area?	Yes		No	✓		sedges and rushes/ channel

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	35%
JUEF	common rush	*Juncus effusus*	G-L	FACW	30%
CAFE	green-sheath sedge	*Carex feta*	G-L	FACW	20%
CAUN	one-sided sedge	*Carex unilateralis*	G-L	FACW	20%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 125%
Non-dominant vegetation: slough sedge: OBL, dense sedge: OBL
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse loamy over sandy or sandy skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Yes; Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	silt loam	CMD 10YR 4/3 SIMs
6-18	10YR 3/2	loam	CCP 7.5YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[✓]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[✓]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland
Comments: High mitigation potential

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25253 E. Bolton Rd. | Tax lot number: 1705 3130 4000 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: L6-2c
Is the site significantly disturbed?	Yes		No	✓	Community ID: Douglas fir, Scotch broom,
Is the site a potential problem area?	Yes		No	✓	swordfern/ upland forest along
Location: See Map.					drainageway

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	25%
CYEC	hedge-hog dogtail grass	*Cynosurus echinata*	Grass	NOL	20%
PTAQ	swordfern	*Pteridium aquilinum*	L-V	FACU	30%
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	40%
CYSC	Scotch broom	*Cytisus scoparius*	Shrub	NOL	25%

Percent dominant species that are OBL, FACW or FAC: 20% | Percent cover: 140%
Non-dominant vegetation: California blackberry: FACU
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [✓] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Yes; Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-20	10YR 3/3	silt loam	None present

Hydric soil indicators: Yes [ ] No [✓]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[✓] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[✓] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes: Old burn pile. A horizon has lots of recent ash and solid waste. Not the same soil type as that mapped by NRCS (Noti).
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25247 E. Bolton Rd. | Tax lot number: 1705 3130 3900 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L6-3a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Swale slough sedge/ Oregon ash
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	65%
CAOB	slough sedge	*Carex obmupta*	G-L	OBL	80%
VIED	burning bush	*Viburnum edule*	Shrub	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 165%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixied, acid, mesic *Typic Humaquepts*
Drainage class: Poorly drained
On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	*10YR 3/2 & 7.5YR 5/5	silt loam	FMD 10YR 4/6 SIMs; MM ORZs
5-12	*10YR 3/2 & 7.5YR 5/5	silt loam	MMD 7.5YR 4/6 SIMs and 7.5YR 2.5/1 depletions
12-18	*10YR 3/3 & 7.5 YR 5/6	silt loam	None

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: *Mixed or marbled matrix - this may not have been the original channel course
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	August 5, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	25247 E. Bolton Rd.	Tax lot number:	1705 3130 3900	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L6-3b	
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ water moss	
Is the site a potential problem area?	Yes		No	✓		drainageway	

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	Not recorded
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	Not recorded
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	Not recorded
QUGA	white oak	*Quercus garryana**	Tree	UPL	Not recorded
FOAN	water moss	*Fontinalis antipyretica*	Moss	NOL	Not recorded

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: N/A

Notes: Water moss is counted here as hydric vegetation. *Along bank edge. Criterion met? Yes

HYDROLOGY:

Depth of surface water: None Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [✓] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [✓] Other water moss in active channel indicates at least intermittent free flowing water

Criterion met? Yes

SOILS:

Soil type: (98) Noti loam

Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixied, acid, mesic *Typic Humaquepts*

Drainage class: Poorly drained

On hydric soils list? Yes; Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	*10YR 3/2 & 7.5YR 5/5	silt loam	MM ORZs; FMD 10YR 4/6 SIMs
5-12	*10YR 3/2 & 7.5YR 5/5	silt loam	MMD 7.5YR 4/6 SIMs and 7.5YR 2.5/1 Depletions
12-18	*10YR 3/3 & 7.5 YR 5/6	silt loam	

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: *Mixed matrix Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No: Designation: Wetland

Comments: The vegetation meets criterion if water moss is figured as the obligate plant that it obviously is.

L-NFCD-7

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 7
WETLAND ACREAGE: .66 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/15/97	Wetland Mapping Code:	L-NFCD-7
Data Sheet Numbers:	Offiste (none)	Size (acres):	.66
Investigators:	PRS, BJG	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	O

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 500
Other	25446 Hunter Rd		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw, (98) Noti, (128b) Veneta	Observed:	Not sampled
Hydrologic Source:	Surface drainage-runoff		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Salix* spp.	*Veronica peregrina*	*Carex obnupta*
Quercus garryana	*Spiraea douglasii*	*Mentha pulegium*	*Phalaris arundinacea*
Rhamnus purshiana	*Rosa* spp.		*Alopecurus pratensis*
			Agrostis tenuis

Comments: This wetland unit was mapped from aerial photographs, talking to neighbors and viewing from L-6 (TL# 1705 3130 4000), otherwise it is a land-locked parcel that was inaccessible and direct observation was impossible. PFO = 50%, PSS = 30%, PEM = 20%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-8

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 8
WETLAND ACREAGE: .99 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/15/97	Wetland Mapping Code:	L-NFCD-8
Data Sheet Numbers:	Offsite (none)	Size (acres):	.99
Investigators:	BJG	Wetland Classifications:	PEM, PFO, PSS
		OFWAM Code	O

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	500, 501
Other	25446 & 25444 Hunter		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (98) Noti	Observed:	Not sampled
Hydrologic Source:	Intermittent surface drainage - runoff		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Salix spp.*	*Oenthe sarmentosa*	*Carex obnupta*
Rhamnus purshiana	*Corylus cornuta*	*Veronica scutellata*	*Juncus effusus*
Alnus rubra	*Crataegus douglasii*	*Mentha pulegium*	*Poa pratensis*
	Prunus avium		*Agrostis spp.*

Comments: Broad shallow channel w/very gradual slope. Mixed mature and second growth Douglas Fir along drainageway. PEM = 20%, PFO = 50%, PSS = 30%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-9

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 9
WETLAND ACREAGE: .88 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	07/15/97	Wetland Mapping Code:	L-NFCD-9
Data Sheet Numbers:	Offsite (none)	Size (acres):	.88
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	O

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	503, 200
Other	25446 & 25490 Hunter Rd.		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw loam, (98) Noti loam, (128b) Veneta	Observed:	Not sampled
Hydrologic Source:	Intermittent surface drainage, local runoff		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Spiraea douglasii*	*Veronica peregrina*	*Carex obnupta*
Quercus garryana	*Salix spp.*	*Mentha pulegium*	

Comments: Provides connection to main drainage coming out of P1. PEM=15%, PSS=30%, PFO=55%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-10

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 10
WETLAND ACREAGE: .91 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/15/97	Wetland Mapping Code:	L-NFCD-10
Data Sheet Numbers:	Offsite	Size (acres):	.91
Investigators:	BJG	Wetland Classifications:	PEM, PFO, PSS
		OFWAM Code	P

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 501
Other	25444 Hunter		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(98) Noti (73) Linslaw	Observed:	N/A
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Spiraea douglasii*	*Oenanthe sarmentosa*	*Carex obnupta*

Comments: This wetland unit was observed from P-4 (TL# 1705 3130 400) and L-6 (TL# 1705 3130 3900) and from aerial photograph. PUB = 10%, PEM = 25%, PSS = 30%, PFO =35%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

L-NFCD-11

DRAINAGE BASIN: LOWER NORTH FORK COYOTE DRAINAGE (L-NFCD)
WETLAND NUMBER: 11
WETLAND ACREAGE: .78 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   SP L11-4

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	06/19/97	Wetland Mapping Code:	L-NFCD-11
Data Sheet Numbers:	L11-1, L11-4, L11-3	Size (acres):	.78
Investigators:	BJG	Wetland Classifications:	PFO, PEM
		OFWAM Code	P

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 401
Other	25366 Hunter Rd		
Hydrologic Basin:	Lower North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta, (73) Linslaw (8)Noti	Observed:	Hydric
Hydrologic Source:	Rainfall-surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Symphoricarpos albus*	*Oenanthe sarmentosa* *Mentha pulegium* *Mimulus anagaloides* *Veronica peregrina* *Rumex crispus* *Galium parisiense* *Fontanalis antipyretica* *Mentha spicata*	*Carex obnupta* *Eleocharis acicularis* *Glyceria borealis*

Comments: Fontanalis occurs in active channel with water parsley, veronica, forget-me-not, and spearmint. P4, a section of the primary channel, also occurs on this tax lot (north of this drainage). See wetland characterization sheet for P4. PFO=50%, PEM=50%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25366 Hunter Road | Tax lot number: 1705 3100 401 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	L11-4
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Intermittent seasonal
Is the site a potential problem area?	Yes		No	✓		small drainageway ash/ slough
Location: See Map.						sedge/ PEM

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	40%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	40%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 130%
Notes: *Fontanalis* in channel. Non-dominant vegetation: monkey flower, nodding forget-me-not, curly dock, marsh bedstraw, hairy spikerush, purslane speedwell, spearmint, horehound
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >15 inches Depth to saturated soil: >15 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (128B) Veneta loam Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silt loam	CCD 10YR 3/1 Depletions
5-12	10YR 3/4	silty clay loam	CCD 10YR 4/6 & 5/6 SIMs and CM MnO_2 Concretions
12-15	10YR 4/4	silty clay	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[✓]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[✓]	Other (in Notes)

Notes: Depletions
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

M-NFCD-1a

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 1a
WETLAND ACREAGE: 2.54 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    - SP M1a-1a
    - SP M1a-1b
    - SP M1a-12a
    - SP M1a-12b
    - SP M1a-13a
    - SP M1a-13b
    - SP M1a-14a
    - SP M1a-14b

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/07/97	Wetland Mapping Code:	M-NFCD-1a
Data Sheet Numbers:	M1a-1a, M1a-1b, M1a-12a, M1a-12b, M1a-13a, M1a-13b, M1a-14a, M1a-14b	Size (acres):	2.54
Investigators:	BJG, PRS	Wetland Classifications:	PEM, PFO
		OFWAM Code	S

Location:

Legal:	T18S, R06W, Sec. 1	Tax Lot(s):	1806 0100 1602
Other	87678 Territorial Rd		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta	Observed:	Same & Hydric
Hydrologic Source:	Surface drainage, run-off		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Salix* spp.	*Fontinalis antipyretica* *Veronica scutellata* *Eleocharis acicularis* *Mentha pulegium*	*Juncus effusus* *Carex obnupta* *Poa trivialis*

Comments: Water moss (*Fontinalis antipyretica*) occurs in ditch expressing a flowing water regime.
PEM = 50% PFO = 50%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 7, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-1a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/slough sedge
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	25%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
FOAN	water moss	*Fontinalis antipyretica*	Moss	OBL	25%
SAPI	piper's willow	*Salix piperi*	Shrub	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 120%
Non-dominantv: Sierra rush: FACW, pennyroyal: OBL, marsh speedwell: OBL
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-2	10YR 3/2	silty clay loam	7.5YR 5/6 SIMs; CM ORZs
2-7	*10YR 4/3 & 5/4	silty clay loam	CMP 7.5 YR 5/6 SIMs
7-18	10YR 4/3 & 5/4	silty clay loam	CMP 7.5 YR 5/6 SIMs; CMP 5 YR 4/2 Depletions

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[✓]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: *Below 2 inches the soil becomes marbled; the matrix is very bright; typical of Veneta
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 7, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-1b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Big-leaf maple/ oak upland forest
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ACMA	big-leaf maple	*Acer macrophyllum*	Tree	FACU	30%
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	30%
QUGA	white oak	*Quercus garryana*	Tree	UPL	30%
RHDI	poison oak	*Rhus diversiloba*	Shrub	NOL	20%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 130%
Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >20 inches Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 4/5	loam	
6-20	10YR 4/5	silt loam	

Hydric soil indicators: Yes [ ] No [✓]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 20, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-12a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland rushes, bird's foot
Is the site a potential problem area?	Yes		No	✓		trefoil and Nootka rose

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
JUEF	common rush	*Juncus effusus*	G-L	FACW	35%
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	25%
RONU	Nootka rose	*Rosa nutkana*	Shrub	FAC	20%
LOCO	Bird's-foot trefoil	*Lotus corniculatus*	Forb	FAC	20%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	25%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 125%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: 5 inches | Depth to saturated soil: @ surface
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silty clay loam	CM ORZs & CMP 7.5YR 5/6 SIMs
5-18	10YR 4/3 & 5/4	silty clay loam	CMP 7.5YR 5/6 SIMs

Hydric soil indicators: Yes [√] No

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [√] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: *Below 2 inches the soil becomes marbled; the matrix is very bright; typical of Veneta or its hydric inclusion.
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 20, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-12b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland weedy forb and shrubs
Is the site a potential problem area?	Yes		No	✓		and wetland rushes

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
JUEF	common rush	*Juncus effusus*	G-L	FACW	20%
CIAR	Canada thistle	*Cirsium arvense*	Forb	FACU+	20%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	20%
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	20%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	30%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 110%
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: @13 inches
Are hydrology indicators present? Yes [ ] No [√]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 4/3	loam	None present
7-18	10YR 4/5	silty loam	None present

Hydric soil indicators: Yes [ ] No [√]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes:
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [√]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-13a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Douglas' Spiraea
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' spiraea	*Spiraea douglassi*	Shrub	FACW	25%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	25%
CAVE	vernal water starwort	*Callitriche verna*	Forb	OBL	20%
JUEF	common rush	*Juncus effusus*	G-L	FACW	30%
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 120%
Non-dominant vegetation: gumweed: FACW
Notes: Probably tufted hairgrass on this site a century ago.
Criterion met? Yes

HYDROLOGY:
Depth of surface water: 1 inches | Depth to water table: @ surface | Depth to saturated soil: @ surface
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [√] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [√] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-11	10YR 3/2	silty clay loam	CM ORZs CMD 10YR 4/5 SIMs
11-18	10YR 4/2	silty clay	CMP 7.5YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 20, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-13b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland weeds and grasses and Scotch broom
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	25%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	25%
DACA	wild carrot	*Daucus carota*	Forb	NOL	20%
CYSC	Scotch broom	*Cytisus scoparius*	Shrub	NOL	30%
DACA	California oatgrass	*Danthonia californica*	Grass	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 120%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: 14 inches

Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:

[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns

Secondary Indicators:

[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other

Criterion met? No

SOILS:

Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-9	10YR 4/5	loam	None present
9-18	10YR 4/3	silty loam	None present

Hydric soil indicators: Yes [ ] No [√]

[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)

Notes:

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 20, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-14a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland shrubs and rushes
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' Spiraea	*Spiraea douglassi*	Shrub	FACW	25%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	30%
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	20%
JUEF	common rush	*Juncus effusus*	G-L	FACW	30%
RONU	Nootka rose	*Rosa nutkana*	Shrub	FAC	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 130%
Non-dominant vegetation: pennyroyal: OBL and American brooklime: OBL | Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: 3 inches | Depth to saturated soil: @ surface
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silty clay loam	CM ORZs
5-11	10YR 4/2	silty clay loam	CMP 7.5YR 5/6 SIMs
11-18	10YR 4/4	silty clay	CMP 7.5YR 4/3 & 5/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[ ]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[√]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: | Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [√] No: [ ] | Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 20, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87678 Territorial | Tax lot number: 1806 0100 1602 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1a-14b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Douglas' spiraea and Douglas' hawthorn
Is the site a potential problem area?	Yes		No	✓		

Location: 20 feet Northwest of large Oak. See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' Spiraea	*Spiraea douglassi*	Shrub	FACW	30%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	25%
ANOD	sweet vernal agrass	*Anthoxanthum odoratum*	Grass	FACU	25%
PTAQ	swordfern	*Pteridium aquilinum*	L-V	FACU	20%
CYSC	Scotch broom	*Cytisus scoparius*	Shrub	NOL	25%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 125%
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [√]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 4/4	loam	None present
7-18	10YR 4/5	silty loam	None present

Hydric soil indicators: Yes [ ] No [√]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Notes:
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [√]
Designation: Upland

M-NFCD-1b

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 1b
WETLAND ACREAGE: 1.31 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    SP M1b-11a
    SP M1b-11b

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	08/27/97	Wetland Mapping Code:	M-NFCD-1b
Data Sheet Numbers:	M1b-11a, M1b-11b	Size (acres):	1.31
Investigators:	BJG, PRS	Wetland Classifications:	PEM, PSS
		OFWAM Code	S

Location:

Legal:	T18S, R06W, Sec. 1	Tax Lot(s):	1806 0100 1601, 600, 401, 406, 407; 400, 402, 403, 404
Other	Behind Nelson Family Store		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta	Observed:	Hydric
Hydrologic Source:	Precipitation; surface flow; drainageway		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia (regenerating)	*Salix hookeriana* *Spiraea douglasii*	*Mentha pulegium* *Mentha piperita*	*Juncus effusus* *Carex obnupta* *Agrostis tenuis*

Comments: *Fontanalis* in ditch indicating flowing water most of the time. Narrowly confined maintained drainageway, trapezoidal in cross section. PEM = 60% PSS = 40%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87774 Territorial Rd. | Tax lot number: 1806 0100 402 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1b-11a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Douglas' spiraea/ willow ditch
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	50%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	25%
JUEF	common rush	*Juncus effusus*	G-L	FACW	30%
AGCA	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	20%
SAHO	Hooker's willow	*Salix hookeriana*	Shrub	FACW-	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 145%
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralfs* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-10	10YR 3/2	loam	None present
10-18	10YR 5/1	loam	None present

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 87774 Territorial Rd. | Tax lot number: 1806 0100 402 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M1b-11b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland grasses and forbs
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
TRRE	common clover	*Trifolium repens*	Forb	FAC	25%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	40%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	30%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	20%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 135%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None inches Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoxymorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/2, 3/3	silt loam	
7-18	10YR 3/3	silt loam	

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

M-NFCD-2

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 2
WETLAND ACREAGE: 1.09 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP M2-2a
   - SP M2-2b
   - SP M2-3a
   - SP M2-3b
   - SP M2-3c
   - SP M2-4

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	08/05/97	Wetland Mapping Code:	M-NFCD-2
Data Sheet Numbers:	M2-2a, M2-2b, M2-3a, M2-3b, M2-3c, M2-4	Size (acres):	1.09
Investigators:	BJG, PRS	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	T

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 3601, 4700, 4800, 4900
Other	25101 & 25103 Cheney Dr.		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw (128B)Veneta	Observed:	Fill, spoils from ditch dredging & Noti loam
Hydrologic Source:	Surface drainage & local run-off		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Crataegus douglasii*	*Mentha pulegium*	*Juncus articulatus*
Pseudotsuga menziesii	*Spiraea douglasii*	*Prunella vulgaris*	*Juncus acuminatus*
	Rubus ursinus	*Gnaphalium uliginosum*	*Phalaris arundinacea*
	Salix spp.	*Mentha spicata*	*Echinochloa crus-galli*
		Pteridium aquilinum	*Panicum occidentale*
		Veronica scutellata	*Carex obnupta*
			Carex densa
			Festuca arundinacea
			Lolium perenne
			Anthoxanthum odoratum
			Poa pratensis

Comments: Wetland unit (drainageway) ws accessed from Territorial and TL# 1705 3130 4900.
PEM= 55 % PSS= 22 % PFO= 23 %

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3130 4800 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M2-2a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Weedy wetland grasses and forbs
Is the site a potential problem area?	Yes		No	✓		drainageway

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	50%
ECCR	large barnyard grass	*Echinochloa crus-galli*	Grass	FACW	30%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	20%
JUAR	jointed rush	*Juncus articulatus*	G-L	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 120%
Non-dominant vegetation: Western witchgrass: FACW
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >20 inches Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 4/2	silty clay loam	CMP 7.5YR 4/4 SIMs; CMP 5YR 3/4 ORZs
7-13	10YR 4/4	silty clay loam	CMP 7.5 YR 5/6 SIMs
13- 20	7.5YR 5/5	silty clay loam	10YR 4/1 SIMs; MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: Low chroma in upper horizon matrix only. Below the matrix becomes bright, even though redox processes are occurring. The hydrology of the intermittent stream may have enough movement through flow so that the soil is more oxygenated.

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3130 4800 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M2-2b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Weedy forbs and grasses
Is the site a potential problem area?	Yes		No	✓		cultivated lawn at top of bank of

Location: See map. urban drainageway

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
GNUL	marsh cudweed	*Gnaphalium uliginosum*	Forb	FAC+	20%
PRVU	heal-all	*Prunella vulgaris*	Forb	FACU+	20%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	30%
LOPE	perennial ryegrass	*Lolium perenne*	Grass	FACU	30%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 120%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: The owner mows everything along both sides of the drainage as part of his lawn

Criterion met? No

SOILS:

Soil type: (73) Linslaw loam Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/3	loam	None present
5-18	10YR 4/2	loam	None present

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25101, 25103 Cheney Dr | Tax lot number: 1705 3130 3601 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: M2-3a
Is the site significantly disturbed?	Yes		No	✓	Community ID: Douglas' spiraea/ Oregon ash/
Is the site a potential problem area?	Yes		No	✓	reed/canary grass
Location: See map.					wooded section of drainageway

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	35%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	65%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	20%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 140%
Non-dominant vegetation: spearmint: OBL
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 4/3	silt loam	FFP 7.5YR 5/4 SIMs; Concretions
6-18	10YR 4/2	silty clay loam	MCP 5 YR 5/5 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[✓]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25101, 25103 Cheney Dr | Tax lot number: 1705 3130 3601 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M2-3b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland grasses; grassy swale
Is the site a potential problem area?	Yes		No	✓		along drainageway

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	20%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	20%
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	35%
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 75% | Percent cover: 95%
Non-dominant vegetation: taper-tip rush (5%): OBL | Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 4/3	silty clay loam	CMP 5YR 4/6 SIMs; CP 5YR 5/8 ORZs
6-18	10YR 4/2	silt loam	MFP 7.5 YR 3/4 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No: | Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25101, 25103 Cheney Dr | Tax lot number: 1705 3130 3601 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M2-3c
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash, Douglas' spiraea,
Is the site a potential problem area?	Yes		No	✓		slough sedge/ forested wetland

Location: See map. 20 feet in from fenceline. along an intermittent stream

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	65%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	35%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	30%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
CADE2	short-scale sedge	*Carex deweyana*	G-L	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 170%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aqualitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 4/2	silty clay loam	CMP 7.5YR 4/4 SIMs; CFP 5Y 3/4 ORZs
7-13	10YR 4/4	silty clay loam	CMP 7.5 YR 5/6 SIMs; CFP 5Y 3/4 ORZs
13- 20	7.5 YR 4/2& 5/5*	silty clay loam	10YR 4/1 SIMs; MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: *This bright variegated matrix looks move like Veneta loam
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3130 4700 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: M2-4
Is the site significantly disturbed? Yes [ ] No [✓] Community ID: Douglas fir forested upland
Is the site a potential problem area? Yes [ ] No [✓]

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	45%
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	35%
DAGL	orchard grass	*Dactylis glomerata*	Grass	FACU	30%
PTAQ	swordfern	*Pteridium aquilinum*	L-V	FACU	20%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 150%
Criterion met? No

HYDROLOGY:

Depth of surface water: None inches Depth to water table: >20 inches Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:

Soil type: (73) Linslaw loam Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 4/4	silt loam	None present
7-13	10YR 3/4	silt loam	None present
13- 20	*5 YR 3/4, & 5/6	silty clay loam	None present

Hydric soil indicators: Yes [ ] No [✓]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Notes: Charcoal present just below surface. *Mixed matrix
Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

M-NFCD-3

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 3
WETLAND ACREAGE: .62 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    SP M3-5a
    SP M3-5b
    SP M3-5c

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	08/05/97	Wetland Mapping Code:	M-NFCD-3
Data Sheet Numbers:	M3-5a, M3-5b, M3-5c	Size (acres):	.62
Investigators:	BJG	Wetland Classifications:	PEM, PFO
		OFWAM Code	T

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 3800, 3801
Other	25264 & 25258 E Bolton Rd		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128B) Veneta	Observed:	Noti Loam
Hydrologic Source:	Surface Drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia	*Symphoricarpos albus*	*Polygonum hydropiperpoides*	*Festuc arundinacea*
Pseudotsuga menziesii	*Spiraea douglasii*	*Mentha spicata*	*Carex obnupta*
		Oenanthe sarmentosa	
		Polystichum munitum	
		Hypochaeris radicata	

Comments: Active channel is approximately 10 feet wide. Offsite tax lot (no consent given) 3800 recently dredged and graded. Soil denuded of vegetation. Sedimentation may occur during next wet season.
PEM = 20% PFO = 80%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3130 3801 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M3-5a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/smartweed/ slough
Is the site a potential problem area?	Yes		No	✓		sedge intermittent drainageway

Location: See map. In the 10 foot wide active channel.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
POHY	marsh pepper smartweed	*Polygonum hydropiperoides*	Forb	OBL	50%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	35%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	80%
CAOB	slough sedge	*Carex obmupta*	G-L	OBL	20%
MESP	spearmint	*Mentha spicata*	Forb	OBL	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 210%
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None inches Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	silty clay loam	CD 5YR 4/3 ORZs
6-12	10YR 3/2	silty clay loam	CMP 7.5YR 4/4 SIMs
12-18	7.5YR 4/2	silty clay loam	MCD 7.5YR 5/6 SIMs; FF MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[✓]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Charcoal noted also
Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3130 3801 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M3-5b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ spiraea/ slough
Is the site a potential problem area?	Yes		No	✓		sedge/ forested wetland

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	70%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	25%
POMU	swordfern	*Polystichum munitum*	L-V	FACU	20%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 160%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

	Inundation	
✓	Water marks	✓ Wetland drainage patterns
	Saturation in upper 12"	
✓	Sediment deposits	

Secondary Indicators:

✓	H_2O Stained leaves	
	FAC- neutral test	
	Local soil survey data	
	Other	
	ORZ Channels in upper 12"	

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silty clay loam	MFD 10YR 3/6 SIMs
5-18	10YR 3/2	silty clay loam	MCD 10YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

	Histosol	✓ Aquic moisture regime	Concretions	Nationally listed hydric
	Histic epipedon	Reducing conditions	High organic content (sandy)	County listed hydric
	Sulfuric Odor	✓ Low-chroma/gleyed	Organic streaking (sandy)	Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: No: ✓

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3130 3801 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M3-5c
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Douglas fir/ tall fescue
Is the site a potential problem area?	Yes		No	✓		forested upland

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	Not recorded
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	Not recorded
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	Not recorded
FRLA*	Oregon ash	*Fraxinus latifolia*	Tree	FACW	Not recorded

Percent dominant species that are OBL, FACW or FAC: 25% Percent cover: N/A
Notes: * Not rooted in this plot, the canopy extends over into the area of sample point
Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	silty clay loam	FFD 10YR 4/4 SIMs
6-18	10YR 3/3	silty clay loam	None present

Hydric soil indicators: Yes [ ] No [✓]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes: Faint redox and low chroma were detected in the first 6 inches. Best possible judgment used.
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

M-NFCD-4

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 4
WETLAND ACREAGE: .62 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP M4-6a
   - SP M4-6b
   - SP M4-7a
   - SP M4-7b

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	08/05/97	Wetland Mapping Code:	M-NFCD-4
Data Sheet Numbers:	M4-6a, M4-6b, M4-7a, M4-7b	Size (acres):	.62
Investigators:	BJG	Wetland Classifications:	PUB, PEM, PFO
		OFWAM Code	T

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 3900, 4000
Other	25247 & 25253 E Bolton Rd		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw (128B) Veneta variant	Observed:	Hydric
Hydrologic Source:	Rainfall, surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia *Pseudotsuga menziesii*		*Mentha pulegium* *Oenanthe sarmentosa*	*Carex obnupta* *Eleocharis acicularis* *Poa pratensis*

Comments: Fontanalis in active part of channel; intermittent flow. *Fontanalis antipyretica.* Some spoils (subtle) have been placed in channel which may slow or impede the flow which may increase flashiness of flows. Some erosion occurs upstream.
PUB = 10%, PEM = 60%, PFO = 30%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25253 E. Bolton Rd. | Tax lot number: 1705 3130 4000 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: M4-6a
Is the site significantly disturbed?	Yes		No	✓	Community ID: Oregon ash/ water parsley/
Is the site a potential problem area?	Yes		No	✓	hairy spike rush

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	75%
ELAC	hairy spikerush	*Eleocharis acicularis*	G-L	OBL	80%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	30%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	20%
FOAN	common water moss	*Fontinalis antipyretica*	Moss	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 225%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silty clay loam	CD 5YR 3/4 ORZs
5-18	7.5 YR 4/2	silty clay loam	MCD 7.5YR 5/6 SIMs; Few MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[ ] Aquic moisture regime	[✓] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes: Charcoal noted in lower horizon
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25253 E. Bolton Rd. | Tax lot number: 1705 3130 4000 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: M4-6b
Is the site significantly disturbed?	Yes		No	✓	Community ID: Oregon ash and lawn grasses
Is the site a potential problem area?	Yes		No	✓	with cultivars

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
MYCA	California wax myrtle	*Myrica californica*	Tree	FACW	35%
ERCU	Ericaceous cultivar	*	Shrub	N\A	20%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	20%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 125%
Notes: * Unknown ornamental shrub
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	silty clay loam	FFF 10YR 4/4 SIMs
6-18	10YR 3/3	silty clay loam	

Hydric soil indicators: Yes [ ] No [✓]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Notes: Low chroma and faint redox in upper 6 inches due to frequent watering (irrigation)
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25247 Bolton Rd. | Tax lot number: 1705 3130 3900 | Investigators: Peter Stinson and Jennifer Guard

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M4-7a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ slough sedge
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FOAN	common water moss	*Fontinalis antipyretica*	Moss	NOL	80%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	100%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%

Percent dominant species that are OBL, FACW or FAC: 75% | Percent cover: 230%
Notes: Only three species present | Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >12 inches | Depth to saturated soil: 11 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [✓] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/2	silt loam	FF ORZs, CFD 10YR 4/6 SIMs
7-16	10YR 4/2	loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No: | Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 22, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25247 Bolton Rd | Tax lot number: 1705 3130 3900 | Investigators: Peter Stinson and Jennifer Guard

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M4-7b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Residential lawn and ditch
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
Not recorded. See note.					

Percent dominant species that are OBL, FACW or FAC: N/A | Percent cover: N/A
Notes: Residential lawn and garden. Ditch is dredged to bare soil across entire parcel. | Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: at surface
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [✓] Water marks
- [✓] Saturation in upper 12"
- [ ] Wetland drainage patterns
- [✓] Sediment deposits

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] FAC- neutral test
- [ ] Local soil survey data
- [ ] Other
- [ ] ORZ Channels in upper 12"

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-9	10YR 3/3, 3/2	fill mixed w/ loam	None present
9-18	10YR 3/3	loam	None present

Hydric soil indicators: Yes | No ✓
- [ ] Histosol
- [ ] Histic epipedon
- [ ] Sulfuric Odor
- [ ] Aquic moisture regime
- [ ] Reducing conditions
- [ ] Low-chroma/gleyed
- [ ] Concretions
- [ ] High organic content (sandy)
- [ ] Organic streaking (sandy)
- [ ] Nationally listed hydric
- [ ] County listed hydric
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: | No: ✓ | Designation: Upland

M-NFCD-5

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 5
WETLAND ACREAGE: .43 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    SP M5-8a
    SP M5-8b
    SP M5-9a
    SP M5-9b
    SP M5-10a
    SP M5-10b

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	07/15/97	Wetland Mapping Code:	M-NFCD-5
Data Sheet Numbers:	M5-8a, M5-8b, M5-9a, M5-9b, M5-10a, M5-10b	Size (acres):	.43
Investigators:	BJG	Wetland Classifications:	PEM, PSS
		OFWAM Code	T

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	2600
Other	25221 E Bolton Rd		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Hydric
Hydrologic Source:	Precipitation; surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Fraxinus latifolia (regenerating)	*Crateaegus douglasii*	*Mentha pulegium*	*Juncus effusus*
Pseudotsuga menziesii (upland)	*Spiraea douglasii*	*Veronica scutellata*	*Carex obnupta*
Tsuga heterophylla (along channel)	*Symphoricarpos albus*	*Pteridium aquilinum*	*Holcus lanatus*
	Rosa pisocarpa	*Sonchus arvensis*	*Carex tumulicola*
	Rubus ursinus	*Rumex crispus*	
	R .discolor	*Agoseris heterophylla*	
	R. laciniatus	*Hypericum perforatum*	
	Cytisus scoparius	*Polystichum munitum*	

Comments: Recently logged and cleared. Extremely disturbed site. Drainageway was the only wetland on this once forested property.
PEM = 40%, PSS = 60%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 22, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25221 E. Bolton Rd. | Tax lot number: 1705 3130 2600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M5-8a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Pennyroyal/ marsh speedwell/
Is the site a potential problem area?	Yes		No	✓		slough sedge drainageway

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	55%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	35%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
FOAN	water moss	*Fontanalis antipyretica*	Moss	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 150%
Non-dominanat vegetation: velvet grass: FAC, Kentucky bluegrass: FAC, taper-tipped rush: OBL
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >21 inches | Depth to saturated soil: >21 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/3	silt loam	FF ORZs
5-15	10YR 4/2	silt loam	CMP 7.5YR 4/6 SIMs
15-21	7.5YR 4/2	silty clay loam	CMD 7.5YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Evidence of mixing of weathered sandstone from below
Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 23, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25221 E. Bolton | Tax lot number: 1705 3130 2600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: M5-8b
Is the site significantly disturbed?	Yes		No	✓	Community ID: Brackenfern/ snowberry-
Is the site a potential problem area?	Yes		No	✓	drainageway bank

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PTAQ	swordfern	*Pteridium aquilinum*	L-V	FACU	25%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	30%
RULA	cut-leaf blackberry	*Rubus laciniatus*	Shrub	FACU+	30%
SOAR	field sow-thistle	*Sonchus arvensis*	Forb	FAC-	30%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 135%
Non-dominanat vegetation: Douglas' hawthorn: FAC, slough sedge: OBL, curly dock: FACW, *Rosa* spp.- less than 5% each.
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >22 inches | Depth to saturated soil: >22 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-22	10YR 4/4	silt loam	None present

Hydric soil indicators: Yes [ ] No [✓]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes: mixing of weathered sandstone
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25221 E. Bolton Rd. | Tax lot number: 1705 3130 2600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M5-9a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Spiraea/ sedge drainageway
Is the site a potential problem area?	Yes		No	✓		PEMCx

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	40%
CAUN	one-sided sedge	*Carex unilateralis*	G-L	FACW	30%
JUEF	common rush	*Juncus effusus*	G-L	FACW	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 115%

Notes: Juvenile ash along drainage. The remainder of this site is disturbed upland weedy shrubs and forbs, as a result of recent logging.

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >15 inches | Depth to saturated soil: >15 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/3	silt loam	FFD ORZs
5-15	10YR 4/2	mixed matrix*	CMD 10YR 4/6 SIMs
15+	7.5YR 4/2, 5/6	mixed matrix*	

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: Dry as a bone. Mixed alluvium from increased runoff over exposed weathered sandstone.
*High level of mixing of weathered sandstone into upper layers

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Comments: Even though soil matrix is bright the redox features express hydrology of this drainageway/ wetland.

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25221 E. Bolton Rd. | Tax lot number: 1705 3130 2600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: M5-9b
Is the site significantly disturbed?	Yes		No	✓	Community ID: West bank of drainage
Is the site a potential problem area?	Yes		No	✓	Mixed upland weedy forbs and

Location: See map. grasses at top of drainageway bank

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CYSC	scotch broom	*Cytisus scoparius*	Shrub	NOL	Not recorded
AGHE	false dandelion	*Agoseris heterophylla*	Forb	FAC	Not recorded
RULA	cut-leaf blackberry	*Rubus laciniatus*	Shrub	FACU+	Not recorded
SEJA	tansy ragwort	*Senecio jacobaea*	Forb	FACU	Not recorded

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: N/A

Criterion met? No

HYDROLOGY:

Depth of surface water: None present Depth to water table: >22 inches Depth to saturated soil: >22 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (73) Linslaw loam Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-22	10YR 4/4	silt loam	None present

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 23, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25221 E. Bolton Rd. | Tax lot number: 1705 3130 2600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	M5-10a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/mint-speedwell
Is the site a potential problem area?	Yes		No	✓		channel bottom

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	65%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	20%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	35%
MEPI	peppermint	*Mentha piperata*	Forb	FACU+	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 160%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None inches | Depth to water table: >17 inches | Depth to saturated soil: >17 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes:

Criterion met? Yes

SOILS:

Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Yes

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silt loam	FMD 10YR 4/3 SIMs & CF ORZs
5-17	10YR 4/2	silty clay loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[✓] Aquic moisture regime	[ ] Concretions	[✓] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[✓] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 23, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25221 E. Bolton Rd. | Tax lot number: 1705 3130 2600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: M5-10b
Is the site significantly disturbed?	Yes		No	✓	Community ID: Swordfern/snowberry/ hawthorn
Is the site a potential problem area?	Yes		No	✓	drainageway east bank

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	30%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	25%
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	20%
POMU	swordfern	*Polystichum munitum*	Forb	FACU	20%
HYPE	common St. John's wort	*Hypericum perforatum*	Forb	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 115%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (98) Noti loam | Drainage class: Poorly drained

Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Yes

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/3	silt loam	None present
6-18	10YR 4/2	loam	None present

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

M-NFCD-6

DRAINAGE BASIN: MIDDLE NORTH FORK COYOTE DRAINAGE (M-NFCD)
WETLAND NUMBER: 6
WETLAND ACREAGE: 2.13 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	Veneta LWI (WSI #9731)		
Date of Field Verification:	08/05/97	Wetland Mapping Code:	M-NFCD-6
Data Sheet Numbers:	Offsite (none)	Size (acres):	2.13
Investigators:	BJG	Wetland Classifications:	PEM, PFO
		OFWAM Code	T

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	2502
Other	E Bolton Rd (east of 25209 E Bolton Rd)		
Hydrologic Basin:	Middle North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(98) Noti (128B) Veneta (73) Linslaw	Observed:	Not sampled
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Forbs	Graminoids
Pseudotsuga menziesii (in upland adjacent to drainageway)			*Juncus effusus*

Comments: Intermittent flow in drainageway. Drainageway enters site from (2) 24" culverts. PEM = 75%, PFO = 25%,

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

P-NFCD-1

DRAINAGE BASIN: PRIMARY NORTH FORK COYOTE DRAINAGE (P-NFCD)
WETLAND NUMBER: 1
WETLAND ACREAGE: 12.18 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP P1-6a
   - SP P1-6b
   - SP P1-7a
   - SP P1-7b
   - SP P1-7c
   - SP P1-7d
   - SP P1-8a
   - SP P1-8b
   - SP P1-9

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	August 5, 1997	Wetland Mapping Code:	P-NFCD- 1
Data Sheet Numbers:	P1-6a, P1-6b, P1-7a,P1-7b, P1-7c, P1-7d, P1-8a,P1-8b, P1-9	Size (acres):	12.18
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PEM,PSS, PFO
		OFWAM Code	N

Location:

Legal:	T17S, R31W, Sec. 31	Tax Lot(s):	1705 3100 100
Other			
Hydrologic Basin:	Primary North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw & (128b) Veneta Loam	Observed:	Hydric
Hydrologic Source:	Surface flow, drainages		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Symphoricarpos albus*	*Juncus effusus*	*Veronica scutellata*
Quercus garragna	*Gaultheria shallon*	*Juncus patens*	*Ranuculus pedatifidus*
Rhamnus purshiana	*Crataegus douglasii*	*Deschampsia cespitosa*	*Hypericum anagallodies*
Pseudotsuga menziesii	*Salix* spp.	*Agrostis stolonifera*	*Galium parisienne*
Alnus rubra	*Spiraea douglasii*	*A. capillaris*	*Gentian* ssp.
Taxus brevifolia	*Rosa* spp.	*Holcus lanatus*	*Polystichum munitum*
Abies grandis	*Cytisus scoparius*	*Carex obnupta*	*Eryngium petiolatum*
	Rubus laciniatus	*C. deweyana*	*Galium palustrine*
	R. discolor, R. ursinus	*Anthoxanthum odoratum*	*Toxicodendron diversilobum*
		Cinna latfolia	

Comments: Unusual species present: Mosses: sphagnum and water moss. Forb: gentian. Three drainageways present on wetland unit. Channel along north boundary is perennial most years. Interior of site has been reforested, intense underbrush throughout site (except along larger drainage along north boundary.
PEM=20% PSS=30% PFO=50%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: P1-6a
Is the site significantly disturbed?	Yes		No	✓	Community ID: Wetland sedges, rushes, forbs &
Is the site a potential problem area?	Yes		No	✓	sphagnum - old channel in

Location: See Map — wooded opening/ PEM1C

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPAN	common sphagnum	*Sphagnum angustifolium*	Moss	NA	not recorded
HYAN	bog St. John's wort	*Hypericum anagalloides*	Forb	OBL	not recorded
JUEF	common rush	*Juncus effusus*	G-L	FACW	not recorded
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	not recorded
GAPA	wall bedstraw	*Galium parisiense*	Forb	NOL	not recorded

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: N/A

Notes: This wetland occurs within a larger forested complex. It appears to be part of an old channel which now has a tenuous connection.
Non-dominant vegetation: slough sedge: OBL, marsh speedwell: OBL, red alder: FAC

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

	Inundation	
	Saturation in upper 12"	✓ Sediment deposits
✓	Water marks	✓ Wetland drainage patterns

Secondary Indicators:

	H_2O Stained leaves	Local soil survey data	ORZ Channels in upper 12"
	FAC- neutral test	Other	

Criterion met? Yes

SOILS:

Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	10YR 3/2	silt loam and undecomposed organic matter	FFF 10YR 4/4 SIMs
4-11	* 10YR 3/1.5 & 10YR 5/6	silt loam	CMP 7.5YR 4/4 SIMs
11-20	10YR 5/6 & 4/4	silt loam	CCP 7.5YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

	Histosol	✓	Aquic moisture regime		Concretions		Nationally listed hydric
	Histic epipedon		Reducing conditions		High organic content (sandy)		County listed hydric
	Sulfuric Odor	✓	Low-chroma/gleyed		Organic streaking (sandy)		Other (in Notes)

Notes: *Mixed matrix - soils very bright. Low chroma soils occur in upper horizon only. The soft iron masses are difficult to distinguish from the mixed matrix, especially in lower horizon where the SIMs are coarse.

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
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Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P1-6b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Shrubby underbrush in regener-
Is the site a potential problem area?	Yes		No	✓		ating Doulas fir forest

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
GASH	salal	*Gaultheria shallon*	Shrub	FACU	50%
PTAQ	swordfern	*Pteridium aquilinum*	L-V	FACU	20%
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	20%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	25%
POMU	swordfern	*Polystichum munitum*	Forb	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 20% | Percent cover: 135%
Non-dominant vegetation: juvenile Douglas fir: FACU | Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-11	10YR 4/2	silt loam	No redox
11-20	10YR 5/2	silty clay loam	No redox

Hydric soil indicators: Yes [ ] No [✓]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓] | Designation: Upland
Comments: No hydrology and only 20% hydrophytic vegetation. Soils mapped as Veneta by SCS. Soils are presumed to lack redox features and low chroma. Because of this legible evidence, soils were not sampled.

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: P1-7a
Is the site significantly disturbed?	Yes		No	✓	Community ID: Coyote thistle/ camas depression
Is the site a potential problem area?	Yes		No	✓	(vernal pool)

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CAQU	common camas	*Camassia quamash*	Forb	FACW	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	20%
ERPE	coyote thistle	*Eryngium petiolatum*	Forb	OBL	45%
AGST	creeping bentgrass	*Agrostis stolonifera*	Grass	FAC	25%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 125%
Non-dominant vegetation: one-sided sedge: FACW, leafy bentgrass: NOL
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 4/2	silty clay loam	CFD 7.5YR 4/6 SIMs, ORZs
5-11	10YR 5/2, 2.5	silty clay loam	CMF 10YR 5/6 SIMs, ORZs
11-18	10YR 5/3	silty clay loam	CCF 10YR 5/6 SIMs

Hydric soil indicators: Yes ✱ No

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[✓] Other (in Notes)

Notes: ✱Vegetation and hydrology indications were strong enough to conclude that soils are hydric (Best possible judgment)
Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P1-7b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ slough sedge
Is the site a potential problem area?	Yes		No	✓		forested drainageway

Location: See Map — intermittent PFOC

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	100%
QUGA	white oak	*Quercus garryana*	Tree	UPL	35%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	25%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	35%

Percent dominant species that are OBL, FACW or FAC: 75% Percent cover: 195%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (128B) Veneta loam — Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* — On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 4/2	silty clay loam	CMD 7.5YR 4/6 SIMs, ORZs
6-12	10YR 5/2	silty clay loam	CMF 10YR 5/6 SIMs, ORZs
12-18	10YR 5/2	silty clay loam	CCF 10YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No: — Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: P1-7c
Is the site significantly disturbed? Yes [ ] No [✓] Community ID: Spiraea/ sedge marsh
Is the site a potential problem area? Yes [ ] No [✓]

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	80%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	20%
CADE2	short-scale sedge	*Carex deweyana*	G-L	FACU	25%
QUGA	white oak	*Quercus garryana*	Tree	UPL	50%
RHPU	cascara	*Rhamnus purshiana*	Tree	FAC-	25%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 175%
Non-dominant vegetation: short-scale sedge: FACU,wall bedstraw: NOL
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [✓] No [ ]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [✓] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [✓] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other

Criterion met? Yes

SOILS:

Soil type: (128B) Veneta loam Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 4/2	silty clay loam	CMD 7.5YR 4/6 SIMs, ORZs
5-12	10YR 5/2	silty clay loam	CMF 7.5YR 5/6 SIMs, ORZs
12-18	10YR 5/2	silty clay loam	CCF 10YR 5/6 SIMs

Hydric soil indicators: Yes [✓] No [ ]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [✓] Other (in Notes)

Notes: Vegetation and hydrology indications were strong enought to conclude that soils are hydric (Best possible judgment)
Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [✓] No: [ ]
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: P1-7d
Is the site significantly disturbed?	Yes		No	✓	Community ID: Oak/ cascara
Is the site a potential problem area?	Yes		No	✓	

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	35%
QUGA	white oak	*Quercus garryana*	Tree	UPL	55%
RHPU	buckthorn cascara	*Rhamnus purshiana*	Tree	NI	30%
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	20%
RULA	cut-leaf blackberry	*Rubus laciniatus*	Shrub	FACU+	20%

Percent dominant species that are OBL, FACW or FAC: 0% Percent cover: 160%
Non-dominant vegetation: Henderson's sedge: FAC, slough sedge: OBL, Douglas' spiraea: FACW, poison oak: FACU
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [✓] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 4/2	silty clay loam	CFD 7.5YR 4/6 SIMs, ORZs
5-11	10YR 5/2	silty clay loam	CMF 10YR 5/6 SIMs, ORZs
11-18	10YR 5/2	silty clay loam	CCF 10YR 5/6 SIMs

Hydric soil indicators: Yes [ ] No [✓]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes: Very light colored in upper horizon
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P1-8a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Slough sedge/ Oregon ash
Is the site a potential problem area?	Yes		No	✓		intermittent drainageway

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	75%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
FOAN	water moss	*Fontinalis antipyretica*	Moss	NOL	40%
POMU	swordfern	*Polystichum munitum*	L-V	FACU	20%
VEPE	purslane speedwell	*Veronica peregrina*	Forb	OBL	25%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 155%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	10YR 3/3	sandy loam	CM $Mn0_2$ Concretions
3-18	10YR 5/3	silty clay	MMD 10YR 5/5 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: Although bright by nature, this is what we are calling the hydric version of Veneta loam
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 5, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Huston Rd. | Tax lot number: 1705 3100 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: P1-8b
Is the site significantly disturbed? Yes [ ] No [✓] Community ID: Cascara/ swordfern/ woodland
Is the site a potential problem area? Yes [ ] No [✓]

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	20%
POMU	swordfern	*Polystichum munitum*	L-V	FACU	20%
CILA	slender wood-reedgrass	*Cinna latfolia*	Grass	FACW	20%
RULA	cut-leaf blackberry	*Rubus laciniatus*	Shrub	FACU+	20%
RHPU	buckthorn cascara	*Rhamnus purshiana*	Tree	NI	35%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 115%
Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-18	10YR 3/8	silt loam	None present

Hydric soil indicators: Yes [ ] No [✓]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓] Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9721	Date:	August 5, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	Huston Rd.	Tax lot number:	1705 3100 100	Investigators:	Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P1-9
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ Douglas' hawthorn
Is the site a potential problem area?	Yes		No	✓		slough sedge-common rush

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	45%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	20%
ELAC	hairy spikerush	*Eleocharis acicularis*	G-L	OBL	25%
JUEF	common rush	*Juncus effusus*	G-L	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 135%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (128B) Veneta loam Drainage class: Moderately well drained

Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	10YR 3/3	sandy loam	MnO_2 Concretion
3-18	10YR 5/3	silty clay	MMD 10YR 5/5 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Comments: These soils have a bright chroma by nature, even those that are exposed to prolonged saturation or inundation.

P-NFCD-2

DRAINAGE BASIN: PRIMARY NORTH FORK COYOTE DRAINAGE (P-NFCD)
WETLAND NUMBER: 2
WETLAND ACREAGE: .82 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	OFFSITE	Wetland Mapping Code:	P-NFCD- 2
Data Sheet Numbers:	Offsite (none)	Size (acres):	.82
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PEM, PFO
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 304
Other	25454 Hunter Road		
Hydrologic Basin:	Primary North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Not sampled
Hydrologic Source:	Surface flow, drainageway		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Spiraea douglasii*	*Carex obnupta*	*Mentha pulegium*

Comments: Property owner adamant about not allowing access
PEM=20% PFO=80%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: Peterson | County: Lane | State: Oregon
Address: 25366 Hunter Road | Tax lot number: 1705 3100 401 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P2
Is the site signifigantly disturbed?	Yes		No	✓	Community ID:	Burr reeed/ ash riparian PEM
Is the site a potential problem area?	Yes		No	✓		

Location: See map.

? remove

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPEM	common sphagnum	*Sphagnum emersum*	Forb	OBL	40%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
ALRU	red alder	*Alnus rubra*	Tree	FAC	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 110%
Notes: Non-dominanat vegetation: Douglas' spiraea (*MEPI*, PONA, POFO, American brooklime — Remove
Criterion met? Yes

HYDROLOGY:
Depth of surface water: 12 inches | Depth to water table: at surface | Depth to saturated soil: at surface
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- ✓ Inundation
- ✓ Saturation in upper 12"
- Sediment deposits
- Water marks
- Wetland drainge patterns

Secondary Indicators:
- H_2O Stained leaves
- Local soil survey data
- ORZ Channels in upper 12"
- FAC- neutral test
- Other

Notes:
Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? No

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions

?

Hydric soil indicators: Yes ✓ No

Histosol	Aquic moisture regime	Concretions	Nationally listed hydric
Histic epipedon	Reducing conditions	High organic content (sandy)	County listed hydric
Sulfuric Odor	Low-chroma/gleyed	Organic streaking (sandy)	✓ Other (in Notes)

Notes: Vegetation and hydrology indications were strong enought to conclude that soils are hydric (BPJ)
Criterion met? Yes

?

DETERMINATION:
Is this a juristictional wetland? Yes: ✓ No:
Designation: Wetland

?

Comments:

fld 1

P-NFCD-3

DRAINAGE BASIN: PRIMARY NORTH FORK COYOTE DRAINAGE (P-NFCD)
WETLAND NUMBER: 3
WETLAND ACREAGE: .66 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	OFFSITE	Wetland Mapping Code:	P-NFCD- 3
Data Sheet Numbers:	Offsite (none)	Size (acres):	.66
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PEM, PFO
		OFWAM Code	P

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 400
Other	25412 Hunter Road		
Hydrologic Basin:	Primary North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Not sampled
Hydrologic Source:	Rainfall, surface drainage, drainageway		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Symphoricarpos albus*	*Carex obnupta*	*Camassia quamash*

Comments: This wetland and the drainage associated with it are extremely important for maintaining the continuity of water flow toward Coyote Creek. This is a vital confluence of the U-NFCD and the L-NFCD. PEM=20% PFO=80%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

P-NFCD-4

DRAINAGE BASIN: PRIMARY NORTH FORK COYOTE DRAINAGE (P-NFCD)
WETLAND NUMBER: 4
WETLAND ACREAGE: .19 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   SP P4-1
   SP P4-2

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	July 15, 1997	Wetland Mapping Code:	P-NFCD- 4
Data Sheet Numbers:	P4-1, P4-2	Size (acres):	.19
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PFO
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3100 401
Other	25366 Hunter Rd.		
Hydrologic Basin:	Primary North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw (128B) Veneta	Observed:	Hydric
Hydrologic Source:	Surface flow, drainageway		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Spiraea douglasii*	*Carex obnupta*	*Oenanthe sarmentosa*
Alnus rubra		*Eleocharis acicularis*	*Spaganium emersum*
Quercus garryana		*Juncus effusus*	*Veronica americana*
Pseudotsuga menziesii		*Carex achinata*	*Mentha pulegium*
		Juncus oxymeris	*Potamogeton natans*

Comments: Active channel width is between 11 and 13 feet.
PEM=30% PFO=70%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25366 Hunter Road | Tax lot number: 1705 3100 401 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P4-1
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Intermittent stream
Is the site a potential problem area?	Yes		No	✓		ash/alder

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
ALRU	red alder	*Alnus rubra*	Tree	FAC	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 70%
Non-dominanat vegetation: hairy spikerush, common rush, water parsley, white oak, Douglas fir, pointed rush, simple-stem bur-reed Note: Indicator status not provided for all the non-dominant species
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: 1 inch Depth to saturated soil: at surface
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [✓] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: Water not flowing through culvert, stagnant. Revetment gravels appear to regularly blow-out by high water during winter floods.
Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	7.5YR 4/3	loam	MMD 7.5YR 5/6 SIMs
3-12	7.5YR 4/4	loam	ACD 7.5YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[ ]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Although bright by nature, we are calling this the hydric version of Veneta loam.
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25366 Hunter Road | Tax lot number: 1705 3100 401 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P4-2
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Bur-reed/ ash riparian
Is the site a potential problem area?	Yes		No	✓		PEM

Location: See map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPEM1	simple-stem bur-reed	*Sparganium emersum*	Forb	OBL	40%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
ALRU	red alder	*Alnus rubra*	Tree	FAC	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 110%
Non-dominanat vegetation: Douglas' spiraea: FACW, peppermint: FACU+, floating-leaf pondweed: OBL, pennyroyal: OBL, water moss: NOL, American brooklime: OBL
Criterion met? Yes

HYDROLOGY:
Depth of surface water: 12 inches | Depth to water table: at surface | Depth to saturated soil: at surface
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- ✓ Inundation
- ✓ Saturation in upper 12"
- ✓ Sediment deposits
- ✓ Water marks
- ✓ Wetland drainage patterns

Secondary Indicators:
- H_2O Stained leaves
- Local soil survey data
- ORZ Channels in upper 12"
- FAC- neutral test
- Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
Soils data not gathered			

Hydric soil indicators: Yes ✓ No

	Histosol	✓	Aquic moisture regime		Concretions		Nationally listed hydric
	Histic epipedon		Reducing conditions		High organic content (sandy)		County listed hydric
	Sulfuric Odor		Low-chroma/gleyed		Organic streaking (sandy)	✓	Other (in Notes)

Notes: Vegetation and hydrology indications were strong enought to conclude that soils are hydric (Best possible judgment). Soils were under 12 inches of water
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

P-NFCD-5

DRAINAGE BASIN: PRIMARY NORTH FORK COYOTE DRAINAGE (P-NFCD)
WETLAND NUMBER: 5
WETLAND ACREAGE: .55 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP P5-3a
   - SP P5-3b
   - SP P5-4
   - SP P5-5

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	July 15, 1997	Wetland Mapping Code:	P-NFCD- 5
Data Sheet Numbers:	P5-3a, P5-3b, P5-4, P5-5	Size (acres):	.55
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PFO, PSS
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 101, 204
Other	25356 & 25322 Hunter Rd.		
Hydrologic Basin:	Primary North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Hydric
Hydrologic Source:	Surface flow, precipitation, possibly springs		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Spiraea douglasii*	*Carex obnupta*	*Veronica scutellata*
Alnus rubra	*Salix* spp.	*Juncus effusus*	*Hypericum anagallodies*
Quercus garryana	*Rosa nutkana*	*Juncus bolanderi*	*Gentiana sceptrum*
Populus trichocarpa	*Crataegus douglasii*		*Mentha spicata*
Rhamnus purshiana	*Rubus discolor*		*Galium parisiense*
	Pyrus malus		

Comments: Unusually occuring gentian present at this site. Also *Hypericum angalloides*. Both species tend to occur at higher elevations or in the Coast range. Very diverse system consisting mostly of forested but in a mosaic of emergent openings in canopy. Provides significant wildlife opportunities for feeding, nesting, roosting, etc. Most areas are permanently saturated and seasonally flooded. PEM=25% PSS=35% PFO=40%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	August 27, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	25322 Hunter Rd.	Tax lot number:	1705 3130 204	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P5-3a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ black cottonwood
Is the site a potential problem area?	Yes		No	✓		rose/ spiraea wooded wetland
Location: See Map						PSS/PFO

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
RONU	Nootka rose	*Rosa nutkana*	Shrub	FAC	not recorded
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	not recorded
CRDO*	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	not recorded
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	not recorded
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	not recorded

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: N/A

Notes: *Mixed hybrids of Douglas' hawthorn and Suksdorf's hawthorn

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam Drainage class: Somewhat poorly drained

Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-10	10YR 3/2	loam	CFD 7.5YR 5/6 SIMs & FF ORZs
10-18	10YR 5/1	loam	MMD 10YR 6/2 & 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25322 Hunter Rd. | Tax lot number: 1705 3130 204 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P5-3b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oak/ Douglas fir/ wooded upland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	not recorded
QUGA	white oak	*Quercus garryana*	Tree	UPL	not recorded
PYMA	wild apple	*Pyrus malus*	Tree	FACW	not recorded
RHPU	cascara	*Phamnus purshiana*	Tree	FAC-	not recorded
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	not recorded

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: N/A
Non-dominant vegetation: swordfern: FACU, Scotch broom: NOL
Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Notes: Soils are as dry as a bone
Criterion met? No

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? No

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/3	loam	None present
6-18	10YR 4/2.5	loam	None present

Hydric soil indicators: Yes [ ] No [✓]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Notes: Mushroom mycellium in A horizon
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25232 Hunter Rd. | Tax lot number: 1705 3130 204 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P5-4
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ slough sedge
Is the site a potential problem area?	Yes		No	✓		wetland forb swale/ depressional

Location: See Map — pool PEM2C & PFO

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
HYAN	bog St. John's wort	*Hypericum anagalloides*	Forb	OBL	70%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
JUEF	common rush	*Juncus effusus*	G-L	FACW	30%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 170%
Non-dominant vegetation: sphagnum moss: NOL
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? No

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/1	loam	CMD 10YR 3/4 SIMs & CF ORZs
6-18	10YR 3/1	loam	CMD 10YR 3/6 & 4/1 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25322 Hunter Rd. | Tax lot number: 1705 3130 204 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P5-5
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Ash/ slough sedge/ forested
Is the site a potential problem area?	Yes		No	✓		wetland/ PFO

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	70%
ALRU	red alder	*Alnus rubra*	Tree	FAC	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	40%
MESP	spearmint	*Mentha spicata*	Forb	OBL	35%
GAPA	wall bedstraw	*Galium parisiense*	Forb	NOL	25%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 190%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainge patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
NRCS mapped soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse loamy over sandy or sandy skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	loam	CMD 10YR 3/6 SIMs & FF ORZs
5-18	10YR 3/1	loam	CMD 10YR 4/1 & 4/4 SIMs; MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[✓] Aquic moisture regime	[✓] Concretions	[✓] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[✓] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

P-NFCD-6

DRAINAGE BASIN: PRIMARY NORTH FORK COYOTE DRAINAGE (P-NFCD)
WETLAND NUMBER: 6
WETLAND ACREAGE: .49

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   SP P6-10a
   SP P6-10b

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	July 27 & Dec 10, 1997	Wetland Mapping Code:	P-NFCD- 6
Data Sheet Numbers:	P6-10a, P6-10b	Size (acres):	.49
Investigators:	Jennifer Guard	Wetland Classifications:	PEM
		OFWAM Code	N

Location:

Legal:	T17S, R05W, Sec. 31 & 32	Tax Lot(s):	1705 3220 2712, 2714, 2704, 2702
Other	88097 Huston Road		1705 3220 1601
Hydrologic Basin:	Primary North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(128b) Veneta loam	Observed:	Hydric
Hydrologic Source:	Rainfall, drainageway, surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
		Agrostis tenuis *Juncus effusus* *Glyceria occidentalis*	*Plantago lanceolata* *Mentha puleguim* *Hypochaeris radicata*

Comments: Tax lot 1300, a horse pasture, conditions are heavily impacted by the horses, very disturbed. wetland along this entire drainage course is narrowly confined except for tax lot 2704 where there is a bit of wetland associated with the drainageway.
PEM= 100%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	August 27, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	88097 Huston Rd.	Tax lot number:	1705 3220 1601	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P6-10a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland ditch
Is the site a potential problem area?	Yes		No	✓		Pennyroyal/common rush
Location: See Map						intermittent ditch-PEM2

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	70%
JUEF	common rush	*Juncus effusus*	G-L	FACW	20%
GLOC	western mannagrass	*Glyceria occidentalis*	Grass	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 110%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

NRCS mapped soil type: (98) Noti loam Drainage class: Poorly drained

Subgroup: Coarse loamy over sandy or sandy skeletal, mixed, acid, mesic *Typic Humaquept* On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/1	loam	CMD 10YR 4/6 SIMs & ORZs
6-18	10YR 4/1	silty clay loam	CMD 10YR 5/6 SIMs; MNO_2 Concretions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 88097 Huston Rd. | Tax lot number: 1705 3220 1601 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	P6-10b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Colonial bentgrass and
Is the site a potential problem area?	Yes		No	✓		upland weedy forbs

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%
PLLA	English plantain	*Plantago lanceolata*	Forb	FAC	25%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%
TRRE	common clover	*Trifolium repens*	Forb	FACU	20%
PRVU	heal-all	*Prunella vulgaris*	Forb	FACU+	20%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 120%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

NRCS mapped soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-8	10YR 3/2	loam	FFF 10YR 3/4 SIMs & ORZs
8-18	10YR 3/3	loam	None present

Hydric soil indicators: Yes [✓] No [ ]

[ ]	Histosol	[*]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: *Faint redox features, soils low chroma to 8 inches only

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Comments: Soils only marginally met criteria, otherwise vegetation and hydrology did not

U-NFCD-1a

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 1a
WETLAND ACREAGE: .59 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	July 17, 1997	Wetland Mapping Code:	U-NFCD-1a
Data Sheet Numbers:	Prior report submitted DSL# 91-0105	Size (acres):	.59
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PFO, PEM
		OFWAM Code	V

Location:

Legal:	T17S, R6W, Sec. 36	Tax Lot(s):	1706 3640 5300
Other	Landlocked		1705 3643 1312
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw (98) Noti	Observed:	N/A
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia *Rhamnus purshiana* *Alnus rubra*	*Symphoricarpos albus* *Spiraea douglasii* *Crataegus douglasii* *Rosa nutkana*	*Poa trivialis* *Agrostis tenuis*	

Comments: Site was observed from the end of 8th Street at Kingpin loop. PFOC seasonally flooded. Mapping was created from offsite observation and aerial photography.
PFO = 90%, PEM = 10%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

U-NFCD-1b

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 1b
WETLAND ACREAGE: .48 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	6/19 & 12/10/97	Wetland Mapping Code:	U-NFCD-1b
Data Sheet Numbers:	Offsite (none)	Size (acres):	.48
Investigators:	Jennifer Guard & Peter Stinson	Wetland Classifications:	PSS, PEM
		OFWAM Code	V

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3640 4400, 700, 600
Other	Landlocked		
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw (98) Noti	Observed:	Not sampled
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
	Spiraea douglasii *Crataegus douglasii* *Rosa nutkana* *Rubus discolor* *Rubus laciniatus*	*Mentha pulegium* *Daucus carota*	*Festuca arundinacea* *Agrostis tenuis*

Comments: Observation was made from the City Public Library parking lot. The vegetation is mown at least once a year, still the black berries are strongly established even in the wetter areas along the channel. PEM=30%, PSS=70%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

U-NFCD-2a

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 2a
WETLAND ACREAGE: .67ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	12/10/97	Wetland Mapping Code:	U-NFCD-2a
Data Sheet Numbers:	Offsite (none)	Size (acres):	.67
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PEM
		OFWAM Code	L

Location:

Legal:	T17S, R06W, Sec. 34	Tax Lot(s):	1706 3410 900,1500, 1700, 1900, 2000
Other	Behind the listed tax lots along Woodland Ave. between 6th and Territorial		
Hydrologic Basin:	Upper North Fork Coyote Creek		

Soil:

NRCS Mapped Series:	(128b) Veneta loam	Observed:	Not Sampled
Hydrologic Source:	Rainfall, surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Spiraea douglasii*	*Plantago lanceolata*	*Festuca arundinacea*
Crataegus douglasii	*Salix* spp.	*Hypochaeris radicata*	*Agrostis tenuis*
Pseudotsuga menziesii		*Caucus carota*	*Alopecurus pratensis*
			Juncus effusus

Comments: In some places the drainage flows through backyards (1500 & 1700). The drainage is so shallow in places that it seems to disapear. It does gradually dissipate in the middle section of lot 2000 (undeveloped open land). PFO=30%, PSS=40%, PEM=30%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

U-NFCD-2b

DRAINAGE BASIN:	UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER:	2b
WETLAND ACREAGE:	1.70 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP U2b-8a
   - SP U2b-8b
   - SP U2b-9

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 28, 1997	Wetland Mapping Code:	U-NFCD-2b
Data Sheet Numbers:	U2b-8a, U2b-8b,U2b-9	Size (acres):	1.70
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 1900, 800
Other	Near the corner of Territorial and East Bolton Road		1705 3130 2004, 900
Hydrologic Basin:	North Fork Coyote Creek		

Soil:

NRCS Mapped Series:	(73) Linslaw (98) Noti	Observed:	Hydric
Hydrologic Source:	Surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia *Alnus rubra*	*Spiraea douglasii* *Salix sitchensis* *Crataegus douglasii*	*Carex obnupta* *Echinochloa crus-galli* *Agrostis tenuis* *Phalaris arundinacea* *Holcus lanatus* *Festuca arundinacea* *Juncus effusus*	*Epilobium watsonii* *Prunella vulgaris*

Comments: Fairly disturbed along this section to the east. Portions of 1900 are mowed seasonally or otherwise cropped. PEM = 80%, PSS = 15%, PFO = 5%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: E. Bolton Rd. | Tax lot number: 1705 3130 2004 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U2b-8a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Shrub swamp
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	40%
SASI	Sitka willow	*Salix sitchensis*	Shrub	FACW	20%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	30%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
FRLA*	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 140%
Notes: *Regenerating
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	CMD 10YR 5/4 SIMs
6-18	10YR 3/1	loam	CMD 10YR 5/4 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: E. Bolton Rd | Tax lot number: 1705 3130 2004 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U2b-8b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Cultivated grasses and weeds
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	Not recorded
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	Not recorded
PRVU	heal-all	*Prunella vulgaris*	Forb	FACU+	Not recorded
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	Not recorded

Percent dominant species that are OBL, FACW or FAC: 50% Percent cover: N/A
Notes: Only four species present
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:
Soil type: (98) Noti loam
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept*
Drainage class: Poorly drained
On hydric soils list? Yes; Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	loam	
5-18	10YR 3/3	loam	CFD 10YR 5/2 SIMs

Hydric soil indicators: Yes [✓] No [ ]
- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: E. Bolton Rd. | Tax lot number: 1705 3130 2004 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U2b-9
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland grass ditch
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	25%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	30%
EPCI	Watson's willow-herb	*Epilobium ciliatum* ssp. *watsonii*	Forb	FACW-	30%
ECCR	large barnyard grass	*Echinochloa crus-galli*	Grass	FACW	20%
AGTE	colonial bentgrass	*Agrostis temuis*	Grass	FAC	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 125%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aqulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	CMD 10YR 5/4 SIMs
6-18	10YR 3/1	loam	CMD 10YR 5/4 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

U-NFCD-3

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 3
WETLAND ACREAGE: 2.41 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	12/10/97	Wetland Mapping Code:	U-NFCD- 3
Data Sheet Numbers:	Offsite (none)	Size (acres):	2.41
Investigators:	Annette Lalka	Wetland Classifications:	PEM
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 2201
Other	Off Bolton Hill Rd.- One block east of Territorial		
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Not Sampled
Hydrologic Source:	Rainfall; intermittent surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs

Comments: This section of channel was identified by Annette Lalka of ODSL. PEM=100%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

U-NFCD-4

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 4
WETLAND ACREAGE: 1.50 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    - SP U4-1
    - SP U4-2
    - SP U4-5
    - SP U4-6a
    - SP U4-6b
    - SP U4-7a
    - SP U4-7b

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	August 27, 1997	Wetland Mapping Code:	U-NFCD- 4
Data Sheet Numbers:	U4-1, U4-2, U4-5, U4-6a, U4-6b, U4-7a, U4-7b	Size (acres):	1.50
Investigators:	Jennifer Guard	Wetland Classifications:	PSS, PEM
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 2300, 2301, 2400,
Other	Near corner of Territorial and East Bolton Road		2401, 2500, 2503, 400, 500, 600, 700
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw (98) Noti	Observed:	Hydric
Hydrologic Source:	Surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Spiraea douglasii*	*Carex obnupta*	*Mentha pulegium*
Rhamnus purshiana	*Pyrus fusca*	*Juncus effusus*	*Polystichum munitum*
	Crataegus douglasii	*Glyceria occidentalis*	*Veronica scutellata*
	Rubus discolor	*Carex feta*	*Fontinalis antipyretica*
		Agrostis exarata	*Galium palustrine*
		Anthoxanthum odoratum	*Prunella vulgaris*
		Festuca arundinacea	
		Agrostis tenuis	

Comments: *Fontanalis* in drainageway. Farmed wetland (2301, 2300) residence with many farm animals. Consequently there is heavy use and disturbance. Evidence of old braided channels (scars) that have been diverted into main channel.
PSS = 65%, PEM = 35%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25194 E. Hunter Rd. | Tax lot number: 1705 3130 700 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U4-1
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Spiraea with sedges and rushes
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
JUEF	common rush	*Juncus effusus*	G-L	FACW	50%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	40%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	50%
CAFE	green-sheath sedge	*Carex feta*	G-L	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 160%
Notes: Only four species present
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >14 inches | Depth to saturated soil: @12 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoxomorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/3	loam	FMD 10YR 3/5 SIMs
7-14	7.5YR 4/4	silt loam	
14+	7.5YR 4/4	silty clay loam	

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[✓]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[✓]	County listed hydric
[ ]	Sulfuric Odor	[ ]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Soils bright chroma, however some evidence of redox in upper horizon only
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland
Comments: Soils and hydrology did not exhibit strong indicators, but vegetation was pretty conclusive

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 16, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25185 E. Bolton Rd. | Tax lot number: 1705 3130 2300 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U4-2
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Water moss/ pennyroyal/
Is the site a potential problem area?	Yes		No	✓		emergent wetland associated

Location: See Map. with drainageway

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FOAN	water moss	*Fontinalis antipyretica*	Moss	NOL	60%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	20%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	35%
GAPA	wall bedstraw	*Galium parisiense*	Forb	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 50% Percent cover: 135%
Non-dominant vegetation: slough sedge: OBL, northern bugleweed: OBL Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >16 inches Depth to saturated soil: @ 8 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: Evidence of old braided channels on last 100 feet of this wetland. The drainageway on the site is channelized and probably manipulated to divert the braided channels across the back of the property. Criterion met? Yes

SOILS:
Soil type: (98) Noti loam Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-1	Organic Material		
1-5	10YR 3/2	loam	FFP 7.5YR 3/4 ORZs
5-16	10YR 4/4	silty clay	MMP 7.5YR 3/4 SIMs; MCP 10YR 3/1 Depletions
16+	10YR 3/2	silty clay loam	MCP 7.5YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [✓] Other (in Notes)

Notes Depletions Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No: Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25240 Hunter Rd. | Tax lot number: 1705 3130 400 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: U4-5
Is the site significantly disturbed?	Yes		No	✓	Community ID: Hawthorn, spiraea, Oregon ash
Is the site a potential problem area?	Yes		No	✓	Wooded wetland

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	35%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
RHPU	buckthorn cascara	*Rhamnus purshiana*	Tree	FAC-	20%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	25%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 130%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes ✓ No ✓
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-8	10YR 3/1	loam	CMD 10YR 3/6 & FMD 10YR 3/4 SIMs
8-20	10YR 4/1	silt loam	CMD 10YR 4/6 SIMs; MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[✓] Aquic moisture regime	[✓] Concretions	[✓] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[✓] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25232 Hunter Rd. | Tax lot number: 1705 3130 500 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U4-6a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Ash swale
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	80%
POMU	swordfern	*Polystichum munitum*	Forb	FACU	35%
CAOB	slough sedge	*Carex obmupta*	G-L	OBL	30%
RHPU	buckthorn cascara	*Rhamnus purshiana*	Tree	FAC-	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 185%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-8	10YR 3/1	loam	CMD 10YR 3/6 SIMs & FFD 10YR 3/4 SIMs
8-18	10YR 4/1	silt loam	CMD 10YR 4/6 SIMs; MnO_2 concretions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25230 Hunter Rd. | Tax lot number: 1705 3130 500 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U4-6b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Douglas fir upland forest land
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	35%
CYSC	Scotch broom	*Cytisus scoparius*	Shrub	NOL	20%
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	20%
CYEC	hedge-hog dogtail grass	*Cynosurus echinata*	Grass	NOL	25%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	25%

Percent dominant species that are OBL, FACW or FAC: 0% Percent cover: 125%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (98) Noti Loam | Drainage class: Poorly drained

Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/2.5	loam	None present
7-18	10YR 4/3	loam	None present

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25214 Hunter Rd. | Tax lot number: 1705 3130 600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: U4-7a
Is the site significantly disturbed?	Yes		No	✓	Community ID: Oregon ash/ Douglas' spiraea
Is the site a potential problem area?	Yes		No	✓	swale

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA*	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	30%
JUEF	common rush	*Juncus effusus*	G-L	FACW	20%
GLOC	western mannagrass	*Glyceria occidentalis*	Grass	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 120%
Notes: *Mature and regen
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti Loam Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/1.5	silt loam	CMD 10YR 4/5 SIMs & ORZs
7-18	10YR 4/2	silt loam	CMD 10YR 5/6 SIMs; MnO_2 Concretions

Hydric soil indicators: Yes No ✓

[ ] Histosol	[✓] Aquic moisture regime	[✓] Concretions	[✓] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[✓] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25214 Hunter Rd. | Tax lot number: 1705 3130 600 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U4-7b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland weeds and grasses
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	60%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	25%
DACA	wild carrot	*Daucus carota*	Forb	NOL	20%
AGTE	colonial bentgrass	*Agrostis temuis*	Grass	FAC	20%
PRVU	heal-all	*Prunella vulgaris*	Forb	FACU+	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 125%
Non-Dominant Vegetation: Sierra rush: FACW, Himalayan blackberry: FACU
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:
Soil type: (98) Noti Loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/3	loam	
6-20	10YR 4/2	loam	FFF 10YR 3/4 SIMs

Hydric soil indicators: Yes [ ] No [✓]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

U-NFCD-5

DRAINAGE BASIN:	UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER:	5
WETLAND ACREAGE:	.22 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	August 28, 1997	Wetland Mapping Code:	U-NFCD- 5
Data Sheet Numbers:		Size (acres):	.22
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 302
Other	Near corner of Territorial and East Bolton Road		
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Same as mapped, with hydric inclusions
Hydrologic Source:	Surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia *Rhamnus purshiana*	*Crataegus douglasii* *Spiraea douglasii* *Rubus discolor*	*Juncus patens*	*Mentha pulegium*

Comments: This wetland has been used for agricultural purposes in the past. Agricultural uses appear to have included plowing and grazing. The topographic relief suggests that this site has been a wetland for a long time. PSS = 85%, PEM = 15%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

U-NFCD-6

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 6
WETLAND ACREAGE: .56 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP U6-4a
   - SP U6-4b
   - SP U6-4c

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	7/15 & 8/12/97	Wetland Mapping Code:	U-NFCD- 6
Data Sheet Numbers:	U6-4a, U6-4b, U6-4c	Size (acres):	.56
Investigators:	Jennifer Guard	Wetland Classifications:	PUB, PEM, PSS, PFO
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 301
Other	25280 Hunter Road		
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Hydric
Hydrologic Source:	Surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Crataegus douglasii*	*Phalaris aquatica*	*Mentha pulegium*
Alnus rubra	*Rosa nutkana*	*Alopecurus aequalis*	*Epilobium watsonii*
Pyrus communis	*Spiracea douglasii*	*Agrostis exarata*	*Oenanthe sarmentosa*
		Agrostis stolonifera	*Camassia quamash*
			Veronica scutellata
			Lotus corniculatus

Comments: This relatively small wetland unit is quite diverse. Four (4) Cowardin classes are represented in an area of just over half an acre. This diversity makes this wetland substantially valuable in many aspects of wetland's functions & values.
PSS = 40%, PFO = 10%, PEM = 10%, PUB = 20%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25280 Hunter Rd. | Tax lot number: 1705 3130 301 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID: U6-4a
Is the site significantly disturbed?	Yes		No	✓	Community ID: Oregon ash/ Sitka willow
Is the site a potential problem area?	Yes		No	✓	drainageway

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	55%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
AGST	creeping bentgrass	*Agrostis stolonifera*	Grass	FAC	45%
LOCO	bird's foot trefoil	*Lotus corniculatus*	Forb	FAC	20%
PHAQ	harding grass	*Phalaris aquatica*	Grass	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 135%

Non-dominant vegetation: water moss, skullcap speedwell, common camas, Watson's willow-herb, water parsley, marsh bedstraw. The channel east of pathcrossing has a dominant cover of mature Oregon ash. To the west, the channel is more open, dominated by wild pear and Sitka willow

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >17 inches | Depth to saturated soil: >10 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (98) Noti loam | Drainage class: Poorly drained

Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/2	loam	FFD 10YR 5/5 SIMs; charcoal
7-17	10YR 4/4	loam	10YR 4/2 depletions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25280 Hunter Rd. | Tax lot number: 1705 3130 301 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U6-4b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Douglas fir upland forest
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	35%
CYSC	Scotch broom	*Cytisus scoparius*	Shrub	NOL	20%
PSME	Douglas fir	*Pseudotsuga menziesii*	Tree	FACU	20%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	25%
CYEC	hedge-hog dogtail grass	*Cynosurus echinata*	Grass	NOL	25%

Percent dominant species that are OBL, FACW or FAC: 0% Percent cover: 125%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (98) Noti loam
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept*
Drainage class: Poorly drained
On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/2.5	loam	None
7-18	10YR 4/3	loam	None

Hydric soil indicators: Yes [ ] No [✓]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: 25280 Hunter Rd. | Tax lot number: 1705 3130 301 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	U6-4c
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Shrub swamp wetland/ PSS
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	20%
RONU	Nootka rose	*Rosa nutkana*	Shrub	FAC	20%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	25%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	40%
ALRU	red alder	*Alnus rubra*	Tree	FAC	30%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 135%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >17 inches Depth to saturated soil: @10 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquept* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/2	loam	FFD 10YR 5/5 SIMs; charcoal
7-17	10YR 4/4	loam	10YR 4/2 Depletions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [√] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

U-NFCD-7

DRAINAGE BASIN: UPPER NORTH FORK COYOTE DRAINAGE (U-NFCD)
WETLAND NUMBER: 7
WETLAND ACREAGE: .73 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9723 Veneta LWI		
Date of Field Verification:	July 15, 1997	Wetland Mapping Code:	U-NFCD- 7
Data Sheet Numbers:	Offsite (none)	Size (acres):	.73
Investigators:	Jennifer Guard and Peter Stinson	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	M

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3130 200
Other	25322 Hunter Road		
Hydrologic Basin:	Upper North Fork Coyote Drainage		

Soil:

NRCS Mapped Series:	(73) Linslaw	Observed:	Hydric
Hydrologic Source:	Surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Crataegus douglasii*	*Phalaris aquatica*	*Mentha pulegium*
Alnus rubra	*Rosa nutkana*	*Alopecurus aequalis*	*Epilobium ciliatum*
	Spiracea douglasii	*Agrostis exarata*	*ssp. watsonii*
	Pyrus communis	*Agrostis stolonifera*	*Oenanthe sarmentosa*
			Camassia quamash
			Veronica scutellata
			Lotus corniculatus

Comments: PSS = 40%, PFO = 50%, PEM = 10%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

FR1

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 1
WETLAND ACREAGE: .45 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	OFFSITE	Wetland Mapping Code:	FR-1
Data Sheet Numbers:	Offsite (none)	Size (acres):	.45
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS
		OFWAM Code	K

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3110 501
Other	Vacant lot just north of Highway 126 and west of Texaco.		
Hydrologic Basin:	Fern Ridge		

Soil:

NRCS Mapped Series:	(128B) Veneta loam	Observed:	Not sampled
Hydrologic Source:	Precipitation, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia (regen)	*Spiraea douglasii* *Rosa nutkana* *Rosa pisocarpa*	*Carex obnupta* *Carex feta* *Deschampsia cespitosa* *Juncus oxymeris*	*Mentha pulegium* *Centaurium umbellatum* *Camassia quamash*

Comments: Diverse wetland plant species associated with probable small surface drainage. Seasonal wetland. *Fraxinus* and shrubs are mowed annually, site observed from Hwy 126. Conditions on northernmost part of site not as easily viewed. PEM= 90% PSS=10%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent
PUB= palustrine unconsolidated bottom

FR2

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 2
WETLAND ACREAGE: .20 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   SP FR2-19a
   SP FR2-19b

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	July 15, 1997	Wetland Mapping Code:	FR-2
Data Sheet Numbers:	FR2-19a, FR2-19b	Size (acres):	.20
Investigators:	Peter Stinson and Jennifer Guard	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	J

Location:

Legal:	T17S, R05W, Sec. 31	Tax Lot(s):	1705 3000 903
Other	25405 Jeans Road		1705 3110 600 (offsite)
Hydrologic Basin:	Fern Ridge		

Soil:

NRCS Mapped Series:	(128B) Veneta loam	Observed:	Veneta and a hydric variant or inclusion
Hydrologic Source:	Precipitation, runoff, depression, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia		*Carex obnupta* *Anthoxanthum odoratum* *Briza minor* *Holcus lanatus* *Agrostis tenuis* *Juncus effusus*	*Veronica peregrina*

Comments: Wetland-pasture, sheep grazing. Tax lot 600 was observed from tax lot 903 and from Jeans Road. PEM= 80% PSS=10%, PFO= 10%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent
PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1705 3000 903 | Investigators: Peter Stinson and Jennifer Guard

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR2-19a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland grassland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	20%
BRMI	little quaking grass	*Briza minor*	Grass	FAC	20%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	20%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	20%
JUEF	common rush	*Juncus effusus*	G-L	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 100%
Notes: Heavily grazed pastureland for sheep
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	7.5YR 4/2	silt loam	CD ORZs
3-18	7.5YR 4/2	silty clay loam	CMD 7.5YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Weathered sandstone fragments below 6 inches
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: December 10, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1705 3000 903 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR2-19b
Is the site significantly disturbed?	Yes		No	√	Community ID:	Sweet vernal grass/ wild carrot
Is the site a potential problem area?	Yes		No	√		upland

Location: 20 feet west of FR2-19a

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	45%
DACA	wild carrot	*Daucus carota*	Forb	NOL	25%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	20%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	35%
CHLE	oxeye daisy	*Chrysanthemum leucanthemum*	Forb	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 145%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic Cumulic *Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 4/3	loam	None present
5-18	10YR 4/2.5	silt loam	None present

Hydric soil indicators: Yes [ ] No [√]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

FR3

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 3
WETLAND ACREAGE: 15.21 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   SP FR3-18

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	FR-3
Data Sheet Numbers:	FR3-18	Size (acres):	15.21
Investigators:	Jennifer Guard, Peter Stinson	Wetland Classifications:	PEM, PSS
		OFWAM Code	E

Location:

Legal:	T17S, R05W, Sec. 36	Tax Lot(s):	1706 3600 100
Other	Behind West Lane Shopping Center		
Hydrologic Basin:	Fern Ridge Reservoir		

Soil:

NRCS Mapped Series:	(79) McBee (73) Linslaw	Observed:	Unknown hydric series
Hydrologic Source:	Rainfall, perched water table, surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Crataegus douglasii*	*Juncus effusus*	*Mentha pulegium*
	Spiraea douglasii	*Eleocharis palustris*	*Eryngium petiolatum*
	Malus fusca	*Scirpus validus*	*Dowingia elegans*
	Pyrus malus	*Deschampsia cespitosa*	*Camassia quamash*
	Amelanchier alnifolia	*Juncus oxymeris*	*Grindelia integrifolia*
	Pyrus communis	*Danthonia californica*	*Saxifraga oregana*
		Hordeum brachyantherum	*Veronica scutellata*
		Carex unilateralis	*Myosotis laxa*
		Carex densa	*Centaurium umbellatum*

Comments: The quality and conditions of the wetlands associated with this site are variable due to factors, such as; areas with disturbance vs. those that are intact and areas that are shaded vs. those that are exposed. Channels have been engineered and managed and discharge into the Long Tom River. Vegetation of the active channel consists mainly of creeping spike-rush and pennyroyal, however, coyote thistle and blue calico flower are also present, as are English hawthorn (*Crataegus oxyacantha* & *C. monogyna*) and Susksdorf's hawthorn (*C. douglasii* var. *suksdorfii*). PEM=60%, PSS=40%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent
PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 3600 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR3-18
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Spike rush drainageway
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ELPA	creeping spikerush	*Eleocharis palustris*	G-L	OBL	not recorded
ELAC	hairy spikerush	*Eleocharis acicularis*	G-L	OBL	not recorded
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	not recorded
JUCO	Coville's rush	*Juncus covillei*	G-L	FACW	not recorded
CARO	beaked sedge	*Carex rostrata*	G-L	OBL	not recorded

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: N/A
Non-dominant vegetation: hare's foot sedge: FACW; marsh cudweed: FAC+ Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >10 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [✓] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	FFF 10YR 4/3 SIMs; CM ORZs
6-18	10YR 4/2	loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No: Designation: Wetland

FR4

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 4
WETLAND ACREAGE: 25.36 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    SP FR4-11
    SP FR4-12
    SP FR4-13
    SP FR4-21

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	07/07 & 10/12/97	Wetland Mapping Code:	FR-4
Data Sheet Numbers:	FR4-11, FR4-12, FR4-13, FR4-21	Size (acres):	25.36
Investigators:	Jennifer Guard, Peter Stinson	Wetland Classifications:	PEM, PSS
		OFWAM Code	E

Location:

Legal:	T17S, R06W, Sec. 25	Tax Lot(s):	1706 3600 100, 2400
Other	Behind West Lane Shopping Center		
Hydrologic Basin:	Fern Ridge Reservoir		

Soil:

NRCS Mapped Series:	(79) McBee (73) Linslaw	Observed:	Hydric
Hydrologic Source:	Precipitation, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Rosa nutkana*	*Carex leporina*	*Mentha pulegium*
	Spiraea douglasii	*C. obnupta*	*Cardamine penduleflora*
	Malus fusca	*C. unilateralis*	*Eryngium umbellatum*
	Pyrus malus	*C. vesicaria*	*Dowingia elegans*
		Agrostis tenuis	*Grindelia integrifolia*
		Juncus covillei	*Veronica scutellata*
		J. nevadensis	*Myosotis laxa*
		J. oxymeris	*Gnaphalium uliginosum*
		Alopecurus pratensis	*Hypochaeris radicata*
		Agrostis exarata	
		Glyceria occidentalis	
		Eleocharis palustris	
		Deschampsia cespitosa	
		Hordeum brachyantherum	

Comments: Several artificially created drainageways occur in this unit. High species diversity. Common egret, great blue heron, green heron, geese, ducks, deer and coyote. Possible occurrence of *Erigeron decumbens* and *Lomatium bradshawii*. Area of unusual plant community occurrences. *Hordeum erachyantherum/ C. unilateralis* is a plant association that is currently on ONHP watch list. Also present is the endemic sensitive plant: Willamette Valley bettercress.
PEM = 60%, PSS = 40%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent
PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 2500 2400 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR4-11
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Willamette Valley prairie
Is the site a potential problem area?	Yes		No	✓		wetland

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
HOBR	meadow barley	*Hordeum brachyantherum*	Grass	FACW-	20%
CAUN	one-sided sedge	*Carex unilateralis*	G-L	FACW	25%
DECE	tufted hairgrass	*Deschampsia cespitosa*	Grass	FACW	50%
AGST	creeping bentgrass	*Agrostis stolonifera*	Grass	FAC	25%
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 140%
Non-dominant vegetation: Yampah: FACU
Note: Meadow barley/ one-sided sedge is an unusual plant association on the ONHP list
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-18	10YR 4/2	loam	MCD 10YR 4/6 & 5/6 SIMs; strong ORZs

Hydric soil indicators: Yes ✓ No

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 2500 2400 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR4-12
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Slough sedge forest edge
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	60%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%
RARE	creeping buttercup	*Ranunculus repens*	Forb	FACW	20%
CAPE	Willamette Valley bittercress	*Cardamine penduliflora*	Forb	OBL	20%
LOCO	bird's-foot trefoil	*Lotus corniculatus*	Forb	FAC	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 145%
Notes: Some livestock disturbance. Non-dominant vegetation: Timothy grass: FAC- Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >12 inches | Depth to saturated soil: >10 inches
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [✓] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 5/3	silty clay loam	MCP 7.5YR 5/6 SIMs and 10YR 5/1 Depletions, CD ORZs
7-12	10YR 5/2	silty clay loam	MCF 10YR 5/4 SIMs, and FM MnO_2 Concretions

Hydric soil indicators: Yes ✓ No
- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 2500 2400 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR4-13
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Camas/ coyote thistle/
Is the site a potential problem area?	Yes		No	✓		rush

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CALE	bristly stock sedge	*Carex leptalea*	G-L	OBL	not recorded
GRIN	gumweed	*Grindelia integrifolia*	Forb	FACW	not recorded
ERUM	coyote thistle	*Eryngium umbellatum*	Forb	OBL	not recorded
CAUN	one-sided sedge	*Carex unilateralis*	G-L	FACW	not recorded
JUCO	Coville's rush	*Juncus covellei*	G-L	FACW	not recorded

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: N/A

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-18	10YR 4/2	loam	MCP 10YR 4/6 & 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: Jne 19, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 3600 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR4-21
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Creeping spike rush/ pennyroyal
Is the site a potential problem area?	Yes		No	✓		drainageway

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ELPA	creeping spikerush	*Eleocharis palustris*	G-L	OBL	40%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	20%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	40%
DOEL	common dowingia	*Dowingia elegans*	Forb	OBL	20%
MYLA	nodding forget-me-not	*Myosotis laxa*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 140%
Non-dominant vegetation: western mannagrass: OBL, coyote thistle: OBL, slough sedge: OBL, sweetbrier: FACW
Criterion met? Yes

HYDROLOGY:
Depth of surface water: .5 inches | Depth to water table: at surface | Depth to saturated soil: at surface
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- ✓ Inundation
- ✓ Saturation in upper 12"
- ✓ Sediment deposits
- Water marks
- ✓ Wetland drainage patterns

Secondary Indicators:
- ✓ H_2O Stained leaves
- Local soil survey data
- ORZ Channels in upper 12"
- FAC- neutral test
- Other

Criterion met? Yes

SOILS:
Soil type: (73) Linslaw loam | Drainage class: Somewhat poorly drained
Subgroup: Fine, mixed, mesic *Aquulitic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-12	10YR 4/2	loam	None observed
12+	10YR 5/2	loam	None observed

Hydric soil indicators: Yes ✓ No

	Histosol	✓	Aquic moisture regime		Concretions		Nationally listed hydric
	Histic epipedon		Reducing conditions		High organic content (sandy)		County listed hydric
	Sulfuric Odor	✓	Low-chroma/gleyed		Organic streaking (sandy)		Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

FR5

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 5
WETLAND ACREAGE: 29.77 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    - SP FR5-1a
    - SP FR5-1b
    - SP FR5-3
    - SP FR5-4
    - SP FR5-14
    - SP FR5-20
    - SP FR5-22
    - SP FR5-23a
    - SP FR5-23b
    - SP FR5-24
    - SP FR5-25
    - SP FR5-26a
    - SP FR5-26b

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	8/12/97 (1/22/98 w/Ms. Lalka)	Wetland Mapping Code:	FR-5
Data Sheet Numbers:	FR5-1a, FR5-1b, FR5-3, FR5-4, FR5-14, FR5-20, FR5-22, FR5-23a, FR5-23b, FR5-24, FR5-25, FR5-26a, FR5-26b	Size (acres):	29.77
Investigators:	Jennifer Guard, Peter Stinson	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	E

Location:

Legal:	T17S, R06W, Sec. 25	Tax Lot(s):	1706 2500 100
Other	Larson Property		
Hydrologic Basin:	Fern Ridge Reservoir		

Soil:

NRCS Mapped Series:	(79) McBee silty clay loam	Observed:	Hydric
Hydrologic Source:	Precipitation, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Symphoricarpos albus* *Rubus ursinus* *Rosa pisocarpa* *Pyrus malus*	*Carex obnupta* *Agrostis temuis* *Alopecurus pratensis* *Poa trivialis* *Festuca arundinacea* *Cynosurus cristatus* *Glyceria borealis* *Juncus effusus*	*Mentha pulegium* *Gnaphalium uliginosum* *Plantago lanceolata* *Rumex crispus* *Cardamine penduliflora*

Comments: This area consists of a mosaic of intact wetland types (ash forest, shrub swamp and emergent) bound together by braided channels. Slight differences in topographic relief account for variety of wetland types. Additional field visits were conducted in January 1998 with Annette Lalka. Ms. Lalka increased the areas of upland associated with Sample Points FR5-24, FR5-26b, FR5-25 and in the arena area. PEM=60%, PSS=30%, PFO=10%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR5-1a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Prairie wetland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	30%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	45%
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	30%
GNUL	marsh cudweed	*Gnaphalium uliginosum*	Forb	FAC+	20%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	25%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 150%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >12 inches | Depth to saturated soil: >12 inches

Are hydrology indicators present? Yes [✓] No [ ]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2.5	loam	CMD 10YR 5/6 SIMs
6-12	10YR 3/3	loam	FMF 10YR 3/4.5 SIMs

Hydric soil indicators: Yes [✓] No [ ]

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [✓] No: [ ]

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR5-1b
Is the site significantly disturbed?	Yes	✓	No		Community ID:	Upland pasture land
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	40%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	30%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	25%
CYCR	crested dogtail grass	*Cynosurus cristatus*	Grass	UPL	25%
PLLA	English plantain	*Plantago lanceolata*	Forb	FAC	20%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 140%
Non-dominant vegetation: white-flowered hawkweed: NOL
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-8	10YR 3/2	loam	None present
8-18	10YR 3/3	loam	None present

Hydric soil indicators: Yes [ ] No [✓]
[ ] Histosol [ ] Aquic moisture regime [ ] Concretions [ ] Nationally listed hydric
[ ] Histic epipedon [ ] Reducing conditions [ ] High organic content (sandy) [ ] County listed hydric
[ ] Sulfuric Odor [ ] Low-chroma/gleyed [ ] Organic streaking (sandy) [ ] Other (in Notes)
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site? Yes [✓] No [ ]
Is the site significantly disturbed? Yes [✓] No [ ]
Is the site a potential problem area? Yes [ ] No [✓]

Sample Plot ID: FR5 - 3
Community ID: Clustered rose, wild apple, slough sedge, Sierra rush

Location: See map. FR 5.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
JUEF	common rush	*Juncus effusus*	G-L	FACW	25%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	85%
MAFU	wild apple	*Malus fusca*	Tree	FACW	30%
ROPI	clustered rose	*Rosa pisocarpa*	Shrub	FAC	25%
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 185%
Non-Dominant Vegetation: Willamette Valley bittercress: OBL (early in season)
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [✓] No [ ]
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	CMD 10YR3/6 SIMs
6-18	10YR 4/3	loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes [✓] No [ ]
- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed*
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: * in upper 6 inches only
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [✓] No: [ ]
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR5-4
Is the site significantly disturbed?	Yes	✓	No		Community ID:	Ash/ slough sedge-PFO
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	*
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	*
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	*

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: N/A
Notes: *No percent covers recorded
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [✓] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoxymorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	CMD 10YR 3/6 SIMs
6-18	10YR 4/3	loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[✓] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: FR5-14
Is the site significantly disturbed? Yes [ ] No [✓] Community ID: Oregon Ash Forest
Is the site a potential problem area? Yes [ ] No [✓]

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	75%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	25%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%
RUCR	curly dock	*Rumex crispus*	Forb	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 175%
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [✓] No [ ]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	7.5YR 3/2	loam	CMD 7.5YR 4/4 SIMs
6-18	10YR 3/2	loam	CMD 10YR 4/4 SIMs

Hydric soil indicators: Yes [✓] No [ ]
- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [✓] No: [ ]
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR5-20
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Drainageway/ PEM
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	40%
GLBO	northern mannagrass	*Glyceria borealis*	Grass	OBL	50%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 120%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	CMD 10YR 4/6 SIMs; CD ORZs
6-18	10YR 4/2	loam	MCP 7.5YR 5/6 SIMs; CM MnO_2 Concretions

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 22, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 2500 100 | Investigators: AL, PRS, BJG

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR5-22
Is the site significantly disturbed?	Yes		No	√	Community ID:	Hawthorn/chickweed
Is the site a potential problem area?	Yes		No	√		

Location: 120' of upland between the field off 126 and drainage in woods

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CEDU	doubtful chickweed	*Cerastium dubium*	Forb	UPL	25%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	80%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	25%

Percent dominant species that are OBL, FACW or FAC: 50% Percent cover: 155%
Note: Percent covers determined by Annette Lalka
Non-dominant vegetation: Oregon ash: FACW (15%); swordfern: FACU (10%); rough bluegrass: FAC (10%); slough sedge: OBL (15%); *Botrychium* spp. (5%)
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: 7 inches | Depth to saturated soil: 8 inches
Are hydrology indicators present? Yes [√] No [ ]

Primary Indicators:
[ ] Inundation [√] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other

Criterion met? Yes

SOILS:
NRCS mapped soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	10YR 3/2	silty loam	FFF 10YR 3/4 SIMs
3-9	10YR 3/2	sitly clay loam	CMD 10YR 3/4 SIMs
9-18	10YR 4/2	silty clay loam	CMD 10YR 3/4 SIMs

Hydric soil indicators: Yes [√] No [ ]

[ ]	Histosol	[√]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[√]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [√] No: [ ]
Designation: Wetland
Comments: Considering the high percentages of Oregon ash and slough sedge, best professional judgment finds hydrophytic vegetation to be dominant..

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 22, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: BJG, AL, PRS

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR5-23a
Is the site significantly disturbed?	Yes		No	√	Community ID:	Wet grasses/ pastureland
Is the site a potential problem area?	Yes		No	√		

Location: 165'PP; 215' to fenceline of the wetland/ non-wetland boundary

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis temuis*	Grass	FAC	45%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	25%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	30%
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	20%
JUTE	slender rush	*Juncus temuis*	G-L	FACW-	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 140%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: 2 inches | Depth to saturated soil: 4 inches

Are hydrology indicators present? Yes [√] No [ ]

Primary Indicators:

- [ ] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met?

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-9	10YR 3/2	silty clay loam	CM ORZs and CMD 10YR 3/4 SIMs
9-18	10YR 4/2	silty clay	CMD 10YR 3/4 & 3/6 SIMs

Hydric soil indicators: Yes [√] No [ ]

[ ]	Histosol	[√]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[√]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [√] No: [ ]

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 22, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 2500 100 | Investigators: PRS, AL, BJG

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR5-23b
Is the site significantly disturbed?	Yes		No	√	Community ID:	Upland grasses
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	25%
TRSU	subterranean clover	*Trifolium subterraneum*	Forb	NOL	25%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	30%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 125%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: 7 inches | Depth to saturated soil: 13 inches

Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-10	10YR 3/2.5	silty clay loam	None present
10-18	10YR 4/2	silty clay loam	None present

Hydric soil indicators: Yes [ ] No [√]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 22, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 2500 100 | Investigators: BJG, PRS, AL

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR5-24
Is the site significantly disturbed?	Yes		No	√	Community ID:	Oregon ash forest
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	60%
SACR	Pacific sanicle	*Sanicula crassicaulis*	Forb	NOL	30%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	20%
POMU	swordfern	*Polystichum munitum*	L-V	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 40% | Percent cover: 155% | Rationale: 2/5

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: 13 inches | Depth to saturated soil: 13 inches

Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-12	10YR 3/2	silt loam	
12-18	10YR 4/2	silty clay loam	CMD 10YR 3/4 SIMs

Hydric soil indicators: Yes [ ] No [√]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 31, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 2500 100 | Investigators: PRS, BJG

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR5-25
Is the site significantly disturbed?	Yes		No	√	Community ID:	Meadow foxtail/ colonial
Is the site a potential problem area?	Yes		No	√		bentgrass/ swale

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	30%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	30%
PLLA	lance-leaf plantain	*Plantago lanceolata*	Forb	FAC	20%
AGTE	colonial bentgrass	*Agrostis temuis*	Grass	FAC	25%
RARE	creeping buttercup	*Ranunculus repens*	Forb	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 125%
Criterion met? Yes

HYDROLOGY:
Depth of surface water: .5 inches | Depth to water table: @ surface | Depth to saturated soil: @ surface
Are hydrology indicators present? Yes [√] No [ ]

Primary Indicators:
- [ ] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
NRCS mapped soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-8	10YR 3/2	silty clay loam	CM ORZs & CMD 10YR 3/3 & 3/4 SIMs
8-16	10Y 4/2	silty clay	CMD 10YR 4/4 SIMs

Hydric soil indicators: Yes [√] No [ ]
- [ ] Histosol
- [√] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [√] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [√] No: [ ]
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 22, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 2500 100 | Investigators: PRS, AL, BJG

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR5-26a
Is the site significantly disturbed?	Yes		No	√	Community ID:	Wetland grasses
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	40%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	40%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	30%
POPR	Kentucky bluegrass	*Poa pratensis*	Grass	FAC	30%
JUEF	common rush	*Juncus effusus*	G-L	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 160%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: 5 inches Depth to saturated soil: 5 inches

Are hydrology indicators present? Yes [√] No [ ]

Primary Indicators:

- [ ] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: ORZs are probably a result of grazing compaction

Criterion met? Yes

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-8	10YR3/2	silty clay loam	CM ORZs & CMD 10YR 3/3 & 3/4 SIMs
8-16	10Y 4/2	sitly clay	CMD 10YR 4/4 SIMs

Hydric soil indicators: Yes [√] No [ ]

[ ]	Histosol	[√]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[√]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [√] No: [ ]

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: 1/22/98
Applicant/ Owner: | County: | State:
Address: | Tax lot number: 2500 100 | Investigators: AL, PRS, BJG

Do normal circumstances exist on site? Yes [√] No [ ] Sample Plot ID: FR5-26b
Is the site significantly disturbed? Yes [ ] No [√] Community ID: Upland pastureland
Is the site a potential problem area? Yes [ ] No [√]

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	40%
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	20%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	25%
CYCR	crested dogtail grass	*Cynosurus cristatus*	Grass	UPL	20%
TRSU	subterranian clover	*Trifolium subterraneum*	Forb	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 125%
Criterion met? No

HYDROLOGY:

Depth of surface water: None present Depth to water table: 15 inches Depth to saturated soil: 14 inches
Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes:
Criterion met? No

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine silty, mixed, mesic Cumulic *Ultic Haploxeroll* On hydric soils list? Wapato inclusion

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-10	10YR3/2	silty clay loam	None present
10-15	10YR4/2	silty clay	None present

Hydric soil indicators: Yes [ ] No [√]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes:
Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]
Designation: Upland
Comments:

FR6a

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 6a
WETLAND ACREAGE: 9.36 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    - SP FR6a-2a
    - SP FR6a-2b
    - SP FR6a-5
    - SP FR6a-6
    - SP FR6a-7a
    - SP FR6a-7b
    - SP FR6a-7c
    - SP FR6a-9
    - SP FR6a-10a
    - SP FR6a-10b
    - SP FR6a-15a
    - SP FR6a-15b
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    - SP FR6a-15d
    - SP FR6a-16a
    - SP FR6a-16b
    - SP FR6a-17a
    - SP FR6a-17b
    - SP FR6a-17c
    - SP FR6a-17d

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	8/12/97, (1/22/98 w/Ms. Lalka)	Wetland Mapping Code:	FR-6a
Data Sheet Numbers:	FR6a-2a, FR6a-2b, FR6a-5, FR6a-6, FR6a-7a, FR6a-7b, FR6a-7c, FR6a-9, FR6a-10a, FR6a-10b, FR6a-15a, FR6a-15b, FR6a-15c, FR6a-15d, FR6a-16a, FR6a-16b, FR6a-17a, FR6a-17b, FR6a-17c, FR6a-17d, FR6a-17e	Size (acres):	9.36
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	E

Location:

Legal:	T17S, R06W, Sec. 25	Tax Lot(s):	1706 2500 100
Other	City irrigation property		
Hydrologic Basin:	Fern Ridge/ Long Tom		

Soil:

NRCS Mapped Series:	(79) McBee	Observed:	Hydric
Hydrologic Source:	Percipitation, surface drainage		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Symphoricarpos albus*	*Carex densa, C. obnupta*	*Mentha pulegium*
Quercus garryana	*Crataegus douglasii*	*C. feta, C. unilateralis*	*Plantago lanceolata*
Acer macrophyllum	*Rosa nutkana*	*Agrostis temuis*	*Cardamine penduliflora*
	Spriraea douglasii	*Alopecurus pratensis*	*Eryngium umbellatum*
	Rosa eglanteria	*Poa trivialis*	*Aster chilensis* var. *hallii*
	Corylus cornuta	*Anthoxanthum odoratum*	*Grindelia integrifolia*
	Amelanchier alnifolia	*Eleocharis acicularis*	*Erigerion decumbens**
	Malus fusca	*Juncus effusus,*	*Epilobium watsonii*
	Pyrus fusca	*J. nevadensis*	*Hypochaeris radicata*
		Holcus lanatus	*Ranunculus repens*

Comments: The overland flow in general drains directly toward Fern Ridge. Some areas are relatively undisturbed in this large wetland area, while others are heavily disturbed. *Possible *Erigerion decumbens* population, see sample point FR6a-6. This site was revisited 1/98 by Annette Lalka who increased the upland areas associated with sample plots FR6a-10b and FR6a-17a-e. Several of these areas are Oregon ash dominated woodland with non-hydrophytic species, such as Pacific sanicle (*Sanicula crassicaulis*/NOL) which dominates the understory early in the growing season, but which may be replaced by late spring with hydrophytic species. e.g. common camas (*Camassia quamash*/FACW). This can create misleading inconsistencies in the wetland/non-wetland status of a site regarding the vegetation criterion. PEM = 75%, PSS = 25%, PFO = 25%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: January 31, 1998
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 2500 100 | Investigators: PRS, BJG

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR6a-2a
Is the site significantly disturbed?	Yes		No	√	Community ID:	Oregon ash - cottonwood/ slough sedge
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%
POTR1	black cottonwood	*Populus trichocarpa*	Tree	FAC	80%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
RARE	creeping buttercup	*Ranunculus repens*	Forb	FACW	20%
POTR2	rough bluegrass	*Poa trivialis*	Grass	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 160%
Non-dominant vegetation: swordfern: FACU (5%); common camas: FACW (15%); hazelnut: FACU (10%)
Criterion met? Yes

HYDROLOGY:
Depth of surface water: 1 inches Depth to water table: @ surface Depth to saturated soil: @ surface
Are hydrology indicators present? Yes √ No

Primary Indicators:
- [ ] Inundation
- [√] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
NRCS mapped soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxerolls* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	10YR 3/2	silt loam	CD ORZs & CFD 10YR 4/3 SIMs
3-10	10YR 4/2	silty loam	CCP 7.5YR 4/4 SIMs
10-24	10YR 4/3	silty clay loam	CCD 10YR 4/6 SIMs

Hydric soil indicators: Yes √ No

[ ]	Histosol	[√]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[√]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
this a jurisdictional wetland? Yes: √ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-2b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oak/ big-leaf maple
Is the site a potential problem area?	Yes		No	✓		riparian forest

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
QUGA	white oak	*Quercus garryana*	Tree	UPL	50%
ACMA	big-leaf maple	*Acer macrophyllum*	Tree	FACU	40%
AMAL	serviceberry	*Amelanchier alnifolia*	Shrub	FACU	20%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	30%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 165%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: Water table and saturated soil not encountered to a depth of 13 inches

Criterion met? No

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxerolls* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	None present
6-20	10YR 3/3	loam	None present

Hydric soil indicators: Yes [ ] No [√]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	August 12, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	Larson property	Tax lot number:	2500 800	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: FR6a-5
Is the site significantly disturbed? Yes [✓] No [ ] Community ID: Pasture land
Is the site a potential problem area? Yes [ ] No [✓]
Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	*
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	*
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	*
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	*
TRRE	common clover	*Trifolium repens*	Forb	FAC	*

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: N/A
Notes: *Percent covers not recorded
Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 4/2	loam	CMD 10YR 4/6 SIMs
5-12	10YR 4/2	loam	None
12-18	7.5YR 3/3	loam	None

Hydric soil indicators: Yes [✓] No [ ]

[ ] Histosol	[✓] Aquic moisture regime	[✓] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland
Comments: Livestock on property

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-6
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash/ Douglas' spiraea
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	30%
ERUM	coyote thistle	*Eryngium umbellatum*	Forb	OBL	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	50%
PYFU	Pacific crabapple	*Malus fusca*	Tree	FAC+	30%
CAUN	one-sided sedge	*Carex unilateralis*	G-L	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 155%
Notes: Possible *Erigeron decumbens* population Non-dominant vegetation: gumweed: FACW **Criterion met? Yes**

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee Silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/2	silt loam	CD ORZs and CMD 10YR 4/6 SIMs
5-18	10YR 4/2	loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-7a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash swale
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	80%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	20%
ELAC	hairy spikerush	*Eleocharis acicularis*	G-L	OBL	20%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 160%
Non-dominant vegetation: Watson's willow-herb: FACW-, sour dock: FACU+ **Criterion met? Yes**

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	10YR 3/2	loam	MMD 10YR 4/4 SIMs; MM ORZs
3-18	10YR 3/2	loam	MCD 10YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

	Histosol	✓	Aquic moisture regime		Concretions		Nationally listed hydric
	Histic epipedon		Reducing conditions		High organic content (sandy)		County listed hydric
	Sulfuric Odor	✓	Low-chroma/gleyed		Organic streaking (sandy)		Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No: **Designation: Wetland**
Comments: Some livestock disturbance

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-7b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Ash woodland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	60%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	20%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	30%

Percent dominant species that are OBL, FACW or FAC: 67% Percent cover: 110%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (79) McBee silty clay loam Drainage class: Somewhat poorly drained
Subgroup: Fine-silty, mixed, mesic Cumulic *Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/3	loam	
5-18	10YR 4/2	loam	

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-7c
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Forested edge
Is the site a potential problem area?	Yes		No	✓		mixed grassland and forbs

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGCA	colonial bentgrass	*Agrostis capillaris*	Grass	FAC	40%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	25%
ROGY	wood rose	*Rosa gymnocarpa*	Shrub	FACU	20%
FRLA	Oregon ash	*Fraximus latifolia*	Tree	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 130%
Non-Dominant Vegetation: reed canary-grass: FACW , Himalayan blackberry: FACU-
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Notes: Bone dry to 18 inches
Criterion met? No

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/3	loam	FFF 10YR 4/3 SIMs
5-18	10YR 4/2	loam	MMD 10YR 5/6 SIMs; FMP 7.5 YR 4/4 SIMs

Hydric soil indicators: Yes [✓] No [ ]

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-9
Is the site significantly disturbed?	Yes	✓	No		Community ID:	Pastureland/ shrub invading
Is the site a potential problem area?	Yes	✓	No			

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	40%
ROEG*	sweetbriar	*Rosa eglanteria*	Shrub	FACW	20%
CRDO*	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	20%
TRRE	common clover	*Trifolium repens*	Forb	FAC	20%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 120%
Notes: *These are stunted in growth due to mowing and grazing disturbance
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/3	loam	FF ORZs; CMD 10YR 4/6 SIMs
6-18	10YR 4/2	loam	FFF 10YR 4/3 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland
Comments: Directly on wetland/ upland boundary. Agricultural use as pastureland for grazing and hay production.

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-10a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Prairie wetland grassland
Is the site a potential problem area?	Yes		No	✓		(disturbed)

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	25%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	30%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%
TRRE	common clover	*Trifolium repens*	Forb	FAC	25%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 130%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [✓] No [ ]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	10YR 3/2	loam	MM ORZs; MMD 10YR 4/6 SIMs
4-18	10YR 4/2	loam	MMD 10YR 5/6 SIMs

Hydric soil indicators: Yes [✓] No [ ]

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a juridtictional wetland? Yes: [✓] No: [ ]

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-10b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Pastureland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	30%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	20%
PLLA	English plantain	*Plantago lanceolata*	Forb	FAC	20%
TRRE	common clover	*Trifolium repens*	Forb	FAC	20%

Percent dominant species that are OBL, FACW or FAC: 80% | Percent cover: 125%
Notes: All wetland species are FAC
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]

imary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-3	10YR 3/3	loam	FFF 10YR 4/3 SIMs
3-18	10YR 4/2	loam	CMD 10YR 4/6 SIMs

Hydric soil indicators: Yes [✓] No [ ]

[ ] Histosol	[✓] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland
Comments:

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-15a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash, rose, slough sedge
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	70%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	20%
ROEG	sweetbriar	*Rosa eglanteria*	Shrub	FACW	20%
AMAL	serviceberry	*Amelanchier alnifolia*	Shrub	FACU	30%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 160%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [✓] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-1*	organic matter		
1-4	10YR 3/2	loam	MMD 10YR 4/6 SIMs
4-18	10YR 4/2	loam	MCP 7.5 YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: * much undecomposed organic matter at surface

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-15b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Grasses and upland forbs
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	30%
TRSU	subterranean clover	*Trifolium subterraneum*	Forb	NOL	25%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	25%
DACA	wild carrot	*Daucus carota*	Forb	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 135%
Non-dominant vegetation: meadow foxtail grass: FACW
Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	7.5YR 3/3	loam	FFF 10YR 4/3 SIMs
4-18	10YR 4/2	loam	

Hydric soil indicators: Yes [ ] No [✓]

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[ ] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Notes: Faint Soft Iron Masses
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	August 12, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	Larson property	Tax lot number:	2500 100	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-15c
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Pennyroyal, common rush swale
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
JUEF	common rush	*Juncus effusus*	G-L	FACW	25%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	30%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	25%
JUNE	Sierra rush	*Juncus nevadensis*	G-L	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 140%

Notes: Has character of a vernal pool

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained

Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-5	10YR 3/3	loam	FF ORZs; MMD 10YR 4/4 SIMs
5-18	10YR 4/2	loam	MMD 10YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: Soils become harder, more solid at approximately 10 inches

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project:	Veneta LWI	Project number:	9731	Date:	August 12, 1997
Applicant/ Owner:		County:	Lane	State:	Oregon
Address:	Larson property	Tax lot number:	2500 100	Investigators:	Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	FR6a-15d
Is the site significantly disturbed?	Yes		No	√	Community ID:	Upland pasture
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	50%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	25%
DACA	wild carrot	*Daucus carota*	Forb	NOL	25%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%
CYCR	crested dogtail grass	*Cynosurus cristatus*	Grass	UPL	30%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 150%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: 16 inches Depth to saturated soil: 14 inches

Are hydrology indicators present? Yes [√] No [ ]

Primary Indicators:

- [ ] Inundation
- [√] Saturation in upper 12"
- [√] Sediment deposits
- [√] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:

- [√] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

NRCS mapped soil type: (79) McBee silty clay loam Drainage class: Moderately well drained

Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	silt loam	
6-18	10YR 4/2	loam	

Hydric soil indicators: Yes [ ] No [√]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-16a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Ash swale
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	90%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	20%
CADE(1)	Dewey's sedge	*Carex deweyana*	G-L	FACW	25%
AMAL	serviceberry	*Amelanchier alnifolia*	Shrub	FACU	25%
ROEG	sweetbriar	*Rosa eglanteria*	Shrub	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 180%
Non-dominant vegetation: curly dock: FACW
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes: Soils dry
Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	7.5 YR 3/3	loam	CMD 7.5YR 3/5 SIMs; FF ORZs
4-18	10YR 4/2	loam	MMP 10YR 4/4 & 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-16b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Big leaf maple and snowberry
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
ACMA	big-leaf maple	*Acer macrophyllum*	Tree	FACU	50%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	30%
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 25% Percent cover: 120%
Non- dominant vegetation: heal-all: FACU+ Criterion met? No

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ☐ No ✓
Primary Indicators:
☐ Inundation ☐ Saturation in upper 12" ☐ Sediment deposits
☐ Water marks ☐ Wetland drainage patterns
econdary Indicators:
☐ H_2O Stained leaves ☐ Local soil survey data ☐ ORZ Channels in upper 12"
☐ FAC- neutral test ☐ Other
Criterion met? No

SOILS:
Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	10YR 3/3	loam	Not present
4-18	10YR 4/2	loam	Not present

Hydric soil indicators: Yes ☐ No ✓
☐ Histosol ☐ Aquic moisture regime ☐ Concretions ☐ Nationally listed hydric
☐ Histic epipedon ☐ Reducing conditions ☐ High organic content (sandy) ☐ County listed hydric
☐ Sulfuric Odor ☐ Low-chroma/gleyed ☐ Organic streaking (sandy) ☐ Other (in Notes)
Criterion met? No

DETERMINATION:
Is this a jurisdictional wetland? Yes: ☐ No: ✓ Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-17a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Slough sedge, meadow foxtail,
Is the site a potential problem area?	Yes		No	✓		pennyroyal depression

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	not recorded
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	not recorded
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	not recorded
CAUN	one-sided sedge	*Carex unilateralis*	G-L	FACW	not recorded
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	not recorded

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover:

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

	Inundation		Saturation in upper 12"		Sediment deposits
	Water marks	✓	Wetland drainage patterns		

Secondary Indicators:

	H_2O Stained leaves		Local soil survey data		ORZ Channels in upper 12"
	FAC- neutral test	✓	Other Active redox features in soils		

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Somewhat poorly drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 2/2	loam	FFF 10YR 4/6 & MCD 5/6 SIMs
6-18	10YR 4/3	loam	MMD 10YR 4/6 SIMs; MnO_2 stains; Concretions

Hydric soil indicators: Yes ✓ No

	Histosol	✓	Aquic moisture regime	✓	Concretions		Nationally listed hydric
	Histic epipedon		Reducing conditions		High organic content (sandy)		County listed hydric
	Sulfuric Odor	✓	Low-chroma/gleyed		Organic streaking (sandy)		Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-17b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Pastureland mixed grasses and forbs
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	30%
HYRA	cat's ears	*Hypochaeris radicata*	Forb	FACU	20%
TRRE	common clover	*Trifolium repens*	Forb	FAC	25%
DACA	wild carrot	*Daucus carota*	Forb	NOL	20%
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	30%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 145%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	10YR 3/3	loam	
4-18	10YR 4/2	loam	

Hydric soil indicators: Yes [ ] No [✓]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-17c
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Wetland graminoids
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
CAFE	green-sheath sedge	*Carex feta*	G-L	FACW	20%
ALPR	meadow foxtail grass	*Alopecurus pratensis*	Grass	FACW	30%
MEPU	pennyroyal	*Mentha pulegium*	Forb	OBL	25%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	25%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 135%
Non- dominant vegetation: slough sedge, sierra rush, water foxtail grass
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches
Are hydrology indicators present? Yes ✓ No

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 2/2	loam	FFF 10YR 4/6 ORZs; MCD 5/6 SIMs
6-18	10YR 4/3	loam	MMD 10YR 4/6 SIMs; MnO_2 stains and Concretions

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[✓] Aquic moisture regime	[✓] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: August 12, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 2500 100 | Investigators: Jennifer Guard and David Liberty

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	FR6a-17d
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland grassland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	25%
TRRE	common clover	*Trifolium repens*	Forb	FAC	30%
AGTE	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	35%
HOLA	velvet grass	*Holcus lanatus*	Grass	FAC	25%
CYCR	crested dogtail grass	*Cynosurus cristatus*	Grass	UPL	20%

Percent dominant species that are OBL, FACW or FAC: 60% Percent cover: 135%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed, mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/3	loam	FFF 10YR 4/3 SIMs
6-18	10YR 4/2	loam	

Hydric soil indicators: Yes [ ] No [✓]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: Very faint soft iron masses

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

FR6b

DRAINAGE BASIN: FERN RIDGE (FR)
WETLAND NUMBER: 6b
WETLAND ACREAGE: 16.79 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	FR-6b
Data Sheet Numbers:	Prior study submitted DSL# 960202	Size (acres):	16.79
Investigators:	Jennifer Guard	Wetland Classifications:	PUBx, PUB, PEM, PSS, PFO
		OFWAM Code	E

Location:

Legal:	T17S, R06W, Sec. 25	Tax Lot(s):	1706 2500 200,1200
Other	N. side of Highway 126, east of Long Tom River		
Hydrologic Basin:	Fern Ridge Reservoir/ Long Tom River		

Soil:

NRCS Mapped Series:	(79) McBee	Observed:	Hydric (Waldo)
Hydrologic Source:	Precipitation, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Prunus avium*	*Carex obnupta*	*Mentha pulegium*
Rhamnus purshiana	*Corylus cornuta*	*Agrostis tenuis*	*Hypochaeris radicata*
Populus trichocarpa	*Cornus sericea*	*Juncus effusus*	*Claytonia sibirica*
Acer macrophyllum	*Salix* spp.	*Anthoxanthum odoratum*	*Ranunculus uncinatus*
Abies grandus	*Physocarpus capitatus*	*Eleocharis acicularis*	*Callitriche verna*
	Rubus spectabilis	*Eleocharis palustirs*	
		Festuca arundinacea	
		Glyceria borealis	
		Poa pratensis	
		Phalaris arundinacea	

Comments: TL 200= 77.9 acres TL 1200= 34.02 acres (Salix Study March, 1996). Pastureland and irrigation with treated sewage water. PEM=85% PSS=10% PFO=5%

Wetland Classification Codes:
PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

LT1 (East)

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 1 (East)
WETLAND ACREAGE: .56 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-1 (east)
Data Sheet Numbers:	Prior Study-DSL#97-0155	Size (acres):	.56
Investigators:	Jennifer Guard	Wetland Classifications:	PEMX
		OFWAM Code	D

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3610 700 and 800
Other	Eastern portion of old Diary Queen site		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(128B) Veneta loam	Observed:	(128B) Veneta loam
Hydrologic Source:	Rainfall; run-off		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
		Echinochloa crus-galli *Agrostis tenuis*	*Mentha pulegium* *Dipsacus sylvestris*

Comments: The hydrology originates as run-off from parking lot. Until recently this run-off accumulated in an oak/ash grove with cat-tails and blackberry in the understory. This provided good stormwater treatment which is now lost.

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent

PUB= palustrine unconsolidated bottom

LT1 (West)

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 1 (West)
WETLAND ACREAGE: 3.94 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-1 (west)
Data Sheet Numbers:	Prior Study-DSL#97-0155	Size (acres):	3.94
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	B

Location:

Legal:	T17S, R06W, sec. 36	Tax Lot(s):	17063610 400, 700
Other	Territorial Road along east boundary, Hwy 126 along north boundary and Southern Pacific RR tracks along the south boundary		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(73) Linslaw loam, (98) Noti loam, (128B) Veneta loam	Observed:	(98) Noti and (128B) Veneta
Hydrologic Source:	Rainfall, Long Tom River floodway, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Corylus cornuta*	*Carex obnupta*	*Mentha pulegium*
Quercus garryana	*Spiraea douglasii*	*Carex densa*	*Oenanthe sarmentosa*
Pseudotsuga menziesii	*Salix sitchensis*	*Phalaris arundinacea*	*Dipsacus sylvestris*
Pinus ponderosa	*Salix lasiandra*		*Polystichum munitum*
	Salix geyeriana		*Claytonia sibirica*
	Symphoricarpos albus		*Mentha spicata*
	Malus fusca, Pyrus malus		*Alsima plantago-aquatica*
	P. communis, P. avium		
	Crataegus douglasii		
	Amelanchier alnifolia		
	Rubus ursinus, R. discolor		
	R. laciniatus		

Comments: The area of old log pond has filled in considerably and is now mostly emergent and mixed shrub swamp. It provides substantial wildlife habitat and creates a buffer between the urnban area, the railroad tracks and US Hwy 126. PSS=60%, PEM=20%, PFO=20%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent

PUB= palustrine unconsolidated bottom

LT2

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 2
WETLAND ACREAGE: 14.44 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
    - SP LT2-1a
    - SP LT2-1b
    - SP LT2-2
    - SP LT2-3
    - SP LT2-4
    - SP LT2-5
    - SP LT2-6
    - SP LT2-7

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12 & 27, 1997	Wetland Mapping Code:	LT-2
Data Sheet Numbers:	LT2-1a, LT2-1b, LT2-2, LT2-3, LT2-4, LT2-5, LT2-6, LT2-7	Size (acres):	14.44
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS, PFO, PUB
		OFWAM Code	B

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3610 300, 500,600
Other	Between RR tracks, Hwy 126		
Hydrologic Basin:	Long Tom River/ Fern Ridge		

Soil:

NRCS Mapped Series:	(73) Linslaw loam, (98) Noti loam, (128B) Veneta loam	Observed:	(79) McBee, (98) Noti, (128B) Veneta loam
Hydrologic Source:	Rainfall, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latifolia	*Corylus cornuta*	*Carex obnupta*	*Mentha pulegium*
Pseudotsuga menziesii	*Spiraea douglasii*	*Carex densa*	*Oenanthe sarmentosa*
Quercus garryana	*Symphoricarpos albus*	*Carex deweyana*	*Mentha spicata*
Rhamnus purshiana	*Rubus discolor*	*Phalaris arundinacea*	*Alsima plantago-aquatica*
Populus trichocarpa	*R. ursinus*	*Agrostis tenuis*	
	R. laciniatus		
	Malus fusca,Pyrus malus		
	P. communis, P. avium		
	Crataegus douglasii		

Comments: Beaver activity in mid-portion of the wetland assessment unit. Braided channels, especially well developed along southern boundary. Several Cowardan classes of vegetation provide structure. Serves as east-west corridor. Evidence of significant wildlife use noted.
PEM = 50%, PUB = 10%, PSS = 30%, PFO = 10%

Wetland Classification Codes:

PFO=palustrine forested PSS=palustrine scrub-shrub PEM=palustrine emergent PUB=palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 500 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: LT2-1a
Is the site significantly disturbed? Yes [ ] No [✓] Community ID: Ash/ slough sedge wetland
Is the site a potential problem area? Yes [ ] No [✓]

Location: See Map

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	60%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	30%
PYMA	wild apple	*Pyrus malus*	Tree	FACW	30%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 150%
Non-dominant vegetation: dense sedge: OBL, western buttercup: FAC, large-leaf avens: FACW-, swordfern: NOL
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: 8 inch
Are hydrology indicators present? Yes [✓] No [ ]
Primary Indicators:
- [ ] Inundation
- [✓] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (98) Noti loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Yes

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/1 *OM	silt loam	CCD 10YR 4/4 & 3/4 SIMs; Faint ORZs
6-13	10YR 4/2	silt loam	CMD 10YR 4/4 & 3/1 SIMs

Hydric soil indicators: Yes [✓] No [ ]
- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: * Undecomposed organic matter present
Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [✓] No: [ ]
Designation: Wetland
Comments: Plot is right on wetland/ upland boundary

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: City of Veneta | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 500 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT2-1b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland woodland
Is the site a potential problem area?	Yes		No	✓		

Location: See Map. 57 feet south of LT1a.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
DIFU	teasel	*Dipsacus sylvestris*	Forb	FAC	20%
PYMA	wild apple	*Pyrus malus*	Tree	FACW	70%
POMU	swordfern	*Polystichum munitum*	Forb	FACU	40%
CADE2	short-scale sedge	*Carex deweyana*	G-L	FACU	20%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	20%

Percent dominant species that are OBL, FACW or FAC: 40% Percent cover: 170%
Non-dominant vegetation: Oregon Ash: FACW, Pacific sanicle: NOL, Canada thistle: FACU+ Criterion met? No

HYDROLOGY:
Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inche
Are hydrology indicators present? Yes [ ] No [✓]
Primary Indicators:
[ ] Inundation [ ] Saturation in upper 12" [ ] Sediment deposits
[ ] Water marks [ ] Wetland drainage patterns
Secondary Indicators:
[ ] H_2O Stained leaves [ ] Local soil survey data [ ] ORZ Channels in upper 12"
[ ] FAC- neutral test [ ] Other
Criterion met? No

SOILS:
Soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-4	10YR 3/1	silt loam	
4-10	10YR 3/2	silt loam	MCD 10YR 4/3 & 4/4 SIMs*
10-18	10YR 4/3, 4/4	silt loam	None present

Hydric soil indicators: Yes [✓] No [ ]

[ ]	Histosol	[✓]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[ ]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[✓]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Notes: Soil damp at 13 inches. * This could have been material from lower horizon mixing with lower portion of A horizon
Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: [ ] No: [✓]
Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 300 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT2-2
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Oregon ash swale/ PFO
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	80%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	30%
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	40%
RUUR	California blackberry	*Rubus ursinus*	Shrub	FACU	20%
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 190%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >20 inches | Depth to saturated soil: >20 inch

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [✓] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [✓] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (98) Noti Loam | Drainage class: Poorly drained

Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-7	10YR 3/1	loam	CF & MD 10YR 4/6 SIMs & ORZs
7-20	10YR 3/1 & 4/1	loam	CMP 7.5 YR 5/6 SIMs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [✓] Aquic moisture regime
- [ ] Concretions
- [✓] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [✓] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 3600 400 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT2-3
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Reed canary grass
Is the site a potential problem area?	Yes		No	✓		Drainageway along south

Location: See Map. boundary and railroad tracks

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	90%
POHY2	marsh water pepper	*Polygonum hydropiperoides*	Forb	OBL	30%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	70%
MESP	Spearmint	*Mentha spicata*	Forb	OBL	20%
VESC	marsh speedwell	*Veronica scutellata*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 230%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inche

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

	Inundation	
	Saturation in upper 12"	
	Sediment deposits	
	Water marks	
✓	Wetland drainage patterns	

Secondary Indicators:

	H_2O Stained leaves	
✓	Local soil survey data	
✓	ORZ Channels in upper 12"	
	FAC- neutral test	
	Other	

Criterion met? Yes

SOILS:

Soil type: (98) Noti Loam | Drainage class: Poorly drained
Subgroup: Coarse-loamy over sandy or sandy-skeletal, mixed, acid, mesic *Typic Humaquepts* | On hydric soils list? Natroy and Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/1	loam	CMD 10YR 4/6 SIMs & ORZs
6-18	10YR 4/1	loam	CMP 7.5YR 3/4 & 4/6 SIMs; bright ORZs

Hydric soil indicators: Yes ✓ No

	Histosol	✓	Aquic moisture regime		Concretions	✓	Nationally listed hydric
	Histic epipedon		Reducing conditions		High organic content (sandy)	✓	County listed hydric
	Sulfuric Odor	✓	Low-chroma/gleyed		Organic streaking (sandy)		Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No: Designation: Wetland

Comments: The drainageway continues under the exposed powerlines.

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: Larson property | Tax lot number: 1706 3600 300 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT2-4
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Reed canary grass
Is the site a potential problem area?	Yes		No	✓		marsh/ PEM2C

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	100%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 100%
Notes: Monoculture
Criterion met? Yes

HYDROLOGY:
Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inch
Are hydrology indicators present? Yes ✓ No
Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:
Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-6	10YR 3/1	loam	CMD 10YR 4/6 SIMs & ORZs
6-18	10YR 4/1	loam	CMD 7.5 YR 3/4 SIMs; common bright ORZs

Hydric soil indicators: Yes ✓ No

[ ] Histosol	[ ] Aquic moisture regime	[ ] Concretions	[ ] Nationally listed hydric
[ ] Histic epipedon	[ ] Reducing conditions	[ ] High organic content (sandy)	[ ] County listed hydric
[ ] Sulfuric Odor	[✓] Low-chroma/gleyed	[ ] Organic streaking (sandy)	[ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:
Is this a jurisdictional wetland? Yes: ✓ No:
Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 300 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site? Yes [✓] No [ ] Sample Plot ID: LT2-5
Is the site significantly disturbed? Yes [ ] No [✓] Community ID: Spiraea/rose shrub swamp/ PS
Is the site a potential problem area? Yes [ ] No [✓]

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cove
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	35%
PHAR	reed canary grass	*Phalaris arundinacea*	Grass	FACW	30%
RONU	nootka rose	*Rosa nutkana*	Shrub	FAC	30%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	20%
PYMA	wild apple	*Pyrus malus*	Tree	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 80% Percent cover: 135%
Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 incl
Are hydrology indicators present? Yes [✓] No [ ]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-7	10YR 3/2	loam	CM&FD 10YR 4/5 SIMs & ORZs
7-18	10YR 3/1 & 4/1	loam	CMD 7.5YR 4/6 SIMs; MnO_2 Concretions

Hydric soil indicators: Yes [ ] No [✓]
- [ ] Histosol
- [ ] Aquic moisture regime
- [✓] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [✓] No: [ ] Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 300 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT2-6
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland - apple/ tall fescue
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FEAR	tall fescue	*Festuca arundinacea*	Grass	FAC-	45%
PYMA	wild apple	*Pyrus malus*	Tree	FACW	30%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	30%
CIAR	Canada thistle	*Cirsium arvense*	Forb	FACU+	20%
DACA	wild carrot	*Daucus carota*	Forb	NOL	20%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 145%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inch

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-10	10YR 3/2	silt loam	None present
10-18	10YR 3/3	silt loam	None present

Hydric soil indicators: Yes [ ] No [✓]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9721 | Date: August 27, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 300 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT2-7
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Cottonwood-Oregon ash/ PFD
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
POBA	black cottonwood	*Populus balsamifera* var. *trichocarpa*	Tree	FAC	40%
CRDO	Douglas' hawthorn	*Crataegus douglasii*	Shrub	FAC	25%
SPDO	Douglas' spiraea	*Spiraea douglasii*	Shrub	FACW	20%
PYMA	wild apple	*Pyrus malus*	Tree	FACW	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 135%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inch

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [✓] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [✓] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic *Cumulic Ultic Haploxeroll* On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-6	10YR 3/1	loam	CMD 10YR 4/6 SIMs & ORZs
6-18	10YR 4/1	loam	CMP 7.5YR 4/6 SIMs; CM ORZs

Hydric soil indicators: Yes ✓ No

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [✓] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No: Designation: Wetland

Comments: The drainage continues way off into the exposed powerline area

LT3

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 3
WETLAND ACREAGE: 13.17 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-3
Data Sheet Numbers:	Previous study and LT1 DSL # 91-0001 (Tax lot 303 Only)	Size (acres):	13.17
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PSS, PFO
		OFWAM Code	B

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3600 303, 1706 3624 100 and 500
Other			
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(73) Linslaw loam, (98) Noti loam, (128B) Veneta loam (45) Dupee	Observed:	Hydric
Hydrologic Source:	Surface drainage, perched water table, Long To River floodplain		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latfolia	*Spiraea douglasii*	*Phalaris arundinacea*	*Veronica peregrina*
Populus trichocarpa	*Salix spp.*	*Carex obnupta*	*Mentha pulegium*
Rhamnus purshiana	*Rosa spp.*	*Carex deweyana*	

Comments: Power lines run along the SW edge of Tax lot 303. PFO=50%, PSS=25%, PEM=25%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

LT4

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 4
WETLAND ACREAGE: 16.31 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

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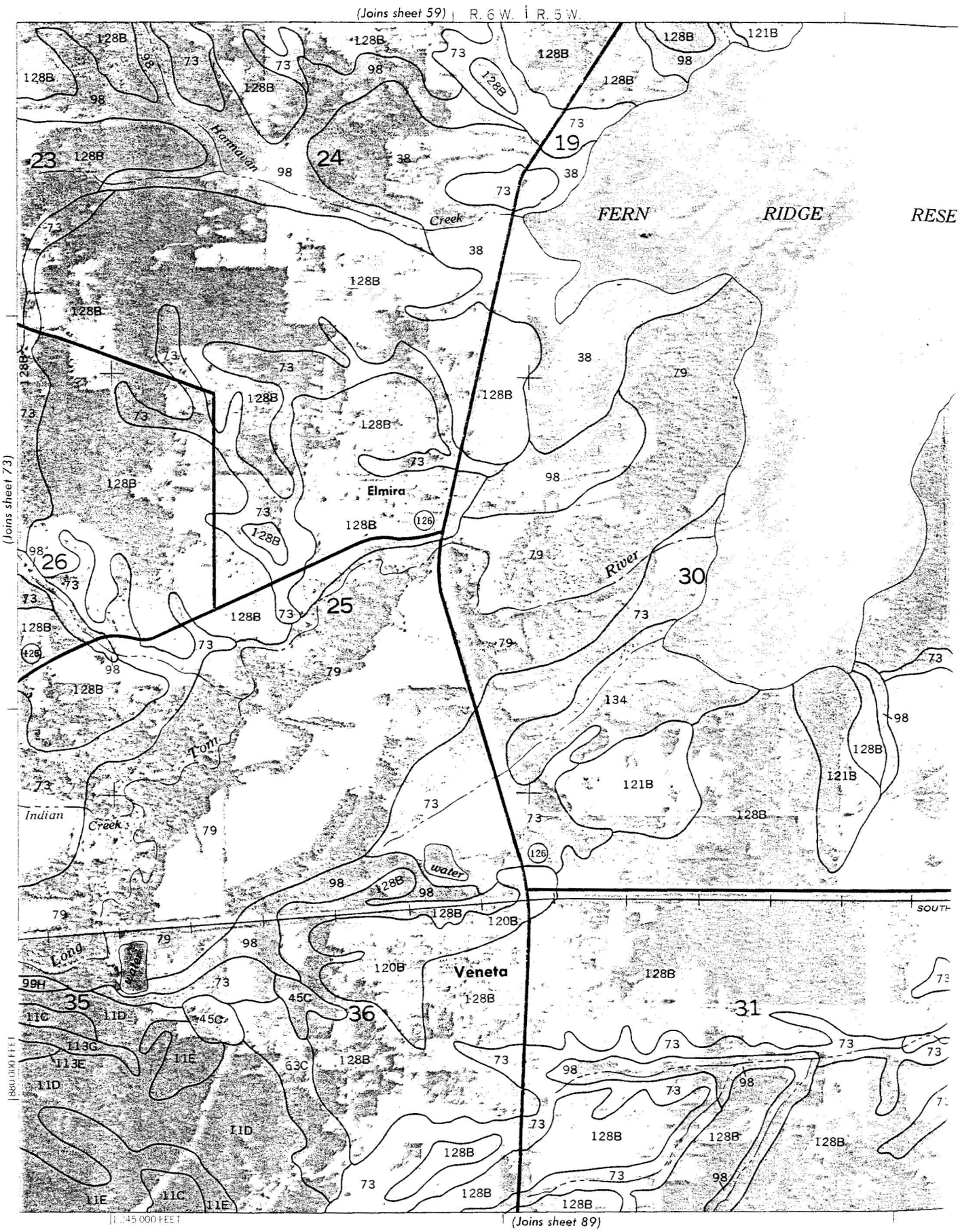
98 c

74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Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-4
Data Sheet Numbers:	None	Size (acres):	16.31
Investigators:	Jennifer Guard	Wetland Classifications:	PEM, PUBx
		OFWAM Code	A

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3624 700
Other	City sewage lagoons		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(73) Linslaw loam, (98) Noti loam	Observed:	Hydric
Hydrologic Source:	Surface flow		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs

Comments: Artificially created wetland for the city's sewage treatment. PUBx=85%, PEM=15%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

LT5

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 5
WETLAND ACREAGE: 3.46 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - SP LT5-9a
   - SP LT5-9b

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-5
Data Sheet Numbers:	LT5-9a, LT5-9b	Size (acres):	3.46
Investigators:	Jennifer Guard	Wetland Classifications:	PUBx, PSS, PEM
		OFWAM Code	F

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	ODOT Right-of-Way
Other	ODOT Mitigation Pond		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(73) Linslaw loam, (45) Dupee	Observed:	Disturbed
Hydrologic Source:	Perched water table, surface drainage, Long Tom floodway		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latfolia	*Salix hookeriana*	*Eleocharis palustris*	*Typha latifolia*
Alnus rubra	*Salix sitchensis*	*Phalaris arundinacea*	
Populus trichocarpa	*Cornus stolonifera*		

Comments: Entire wetland artificially created as mitigation for wetlands that were lost when US Hwy 126 was constructed. Most of the vegetation is distressed. The willow is heavily infested with wasp galls. PUBx = 70%, PSS = 20%, PEM = 10%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: September 11, 1997
Applicant/ Owner: ODOT | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 200 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT5-9a
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Willow/alder shoreline of open
Is the site a potential problem area?	Yes		No	✓		water pond/ shrub swamp

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cove
ALRU	red alder	*Alnus rubra*	Tree	FAC	not record
SASC	Scouler's willow	*Salix scouleriana*	Tree	FACW	not record
ELPA	creeping spikerush	*Eleocharis palustris*	G-L	OBL	not record
ELAC	hairy spikerush	*Eleocharis acicularis*	G-L	OBL	not record
SAHO	Hooker's willow	*Salix hookeriana*	Shrub	FACW-	not record

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: N/A

Criterion met? Yes

HYDROLOGY:

Depth of surface water: 4 inches | Depth to water table: at surface | Depth to saturated soil: at surface

Are hydrology indicators present? Yes ✓ No

Primary Indicators:

- ✓ Inundation
- ✓ Saturation in upper 12"
- ✓ Sediment deposits
- ✓ Water marks
- ✓ Wetland drainage patterns

Secondary Indicators:

- ✓ H_2O Stained leaves
- Local soil survey data
- ✓ ORZ Channels in upper 12"
- FAC- neutral test
- Other

Criterion met? Yes

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-7	10YR 3/1	loam	CMD 10YR 4/6 SIMs & ORZs
7-18	10YR 4/1	loam	CMD 10YR 4/6 SIMs & ORZs

Hydric soil indicators: Yes ✓ No

- Histosol
- ✓ Aquic moisture regime
- Concretions
- Nationally listed hydric
- Histic epipedon
- Reducing conditions
- High organic content (sandy)
- County listed hydric
- Sulfuric Odor
- ✓ Low-chroma/gleyed
- Organic streaking (sandy)
- Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: ✓ No:

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: September 11, 1997
Applicant/ Owner: ODOT | County: Lane | State: Oregon
Address: | Tax lot number: 1706 3600 200 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	✓	No		Sample Plot ID:	LT5-9b
Is the site significantly disturbed?	Yes		No	✓	Community ID:	Upland grasses and forbs
Is the site a potential problem area?	Yes		No	✓		

Location: See Map.

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cove
ANOD	sweet vernal grass	*Anthoxanthum odoratum*	Grass	FACU	40%
RUDI	Himalayan blackberry	*Rubus discolor*	Shrub	FACU	30%
RULA	cut-leaf blackberry	*Rubus laciniatus*	Shrub	FACU+	30%
CYSC	Scotch broom	*Cytisus scoparius*	Shrub	NOL	30%
AGCA	colonial bentgrass	*Agrostis tenuis*	Grass	FAC	30%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 160%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inches

Are hydrology indicators present? Yes [ ] No [✓]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? No

SOILS:

Soil type: (79) McBee silty clay loam | Drainage class: Moderately well drained
Subgroup: Fine-silty, mixed mesic *Cumulic Ultic Haploxeroll* | On hydric soils list? Wapato inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletion
0-6	10YR 3/3	loam	None present
6-18	10YR 4/2	loam	None present

Hydric soil indicators: Yes [ ] No [✓]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes: Looks like a typical Veneta loam

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [✓]

Designation: Upland

LT6

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 6
WETLAND ACREAGE: 8.08 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-6
Data Sheet Numbers:		Size (acres):	8.08
Investigators:	Jennifer Guard	Wetland Classifications:	PEMx, PUBx, PSS
		OFWAM Code	G

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3600 200
Other	North of ODOT mitigation pond, east of Long Tom River		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(79)McBee	Observed:	Hydric and Veneta
Hydrologic Source:	Rainfall, surface drainage, perched water table		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Fraxinus latfolia	*Spiraea douglasii*	*Eleocharis palustris*	*Callitriche verna*
Pyrus malus	*Crataegous douglasii*	*Elocharis ovata*	*Mentha pulegium*
	Sambucus cerulea	*Eleocharis acicularis*	
	Salix sitchensis	*Juncus oxymeris*	
	Salix scouleriana	*Juncus effusus*	

Comments: This wetland unit has a transitional character between artificially created, which is especially noticeable by its unnatural rectangular shape, and a well established nature expressed by its abundance of aquatic and wetland species. With additional introduction/ planting of tree and shrub species this wetland would have good structure and provide shelter for wildlife species. Also included in this unit is a small, natural riparian association feature. PEMx = 25%, PUBx = 55% (seasonal), PSS = 20%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

LT7

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 7
WETLAND ACREAGE: .58 ACRES

CONTENTS:
1. WETLAND CHARACTERIZATION SHEET

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-7
Data Sheet Numbers:	Prior study DSL# 960202	Size (acres):	.58
Investigators:	Jennifer Guard	Wetland Classifications:	PFO, PUB
		OFWAM Code	H

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3600 200
Other	North of Hwy 126 and east of the Long Tom River		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(79)McBee	Observed:	Hydric
Hydrologic Source:	Long Tom River		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Acer macrophyllum	*Physocarpus capitatus*	*Carex obnupta*	*Epilobium watsonii*
Fraxinus latfolia	*Corylus cornuta*	*Cinnia latifolia*	*Oenanthe sarmentosa*
Quercus garryana	*Salix sitchensis*		*Fontinalis antipyretica*
			Polygonum persicaria

Comments: This is a ripaian associated "pond" that is probably a relict of the old channel. The prior study mapped this feature in a different orientation. This study altered that mapping to more accurately represent its true location and position. PFO=75%, PUB=25%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

LT8

DRAINAGE BASIN: LONG TOM (LT)
WETLAND NUMBER: 8
WETLAND ACREAGE: .09 ACRES

CONTENTS:

1. WETLAND CHARACTERIZATION SHEET
2. FIELD DATA SHEETS
   - *SP LT-10a
   - *SP LT-10b
   - *SP LT-10c

*Not mapped

Wetland Characterization Sheet

Project:	9731 Veneta LWI		
Date of Field Verification:	August 12, 1997	Wetland Mapping Code:	LT-8
Data Sheet Numbers:	Prior study DSL# 960202 LT8-10a, LT8-10b, LT8-10c	Size (acres):	.09
Investigators:	Jennifer Guard	Wetland Classifications:	PFO, PUB
		OFWAM Code	I

Location:

Legal:	T17S, R06W, Sec. 36	Tax Lot(s):	1706 3600 200
Other	2000 feet from east bank of the Long Tom River		
Hydrologic Basin:	Long Tom River		

Soil:

NRCS Mapped Series:	(79) McBee	Observed:	Hydric
Hydrologic Source:	Rainfall, river overflow, perched water table,		

Dominant Wetland Vegetation

Trees	Shrubs	Graminoids	Forbs
Acer macrophyllum	*Physocarpus capitatus*	*Poa trivialis*	*Polystichum munitum*
Fraxinus latfolia	*Corylus cornuta*	*Carex obnupta*	*Lapsana communis*
Quercus garryana	*Physocarpus capitatus*		*Callitrich verna*
	Cornus stolonifera		*Oenanthe sarmentosa*

Comments: Isolated remnant channel that serves as overflow/floodflow attenuation for the Long Tom. Has standing open water most of the year, three to four feet deep. This feature was not identified by the prior study, and was, therefore, included in the mapping for this inventory. The sample plots were removed from the mapping, but are included here. PFO=70%, PUB=30%

Wetland Classification Codes:

PFO= palustrine forested PSS= palustrine scrub-shrub PEM= palustrine emergent PUB= palustrine unconsolidated bottom

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	LT8-10a
Is the site significantly disturbed?	Yes		No	√	Community ID:	Forested pool
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
OESA	water parsley	*Oenanthe sarmentosa*	Forb	OBL	20%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	65%
COST	creek dogwood	Cornus stolonifera	Shrub	FACW	20%
CAOB	slough sedge	*Carex obnupta*	G-L	OBL	25%
CAVE	vernal water starwort	*Callitriche verna*	Forb	OBL	20%

Percent dominant species that are OBL, FACW or FAC: 100% Percent cover: 150%

Criterion met? Yes

HYDROLOGY:

Depth of surface water: 12 inches | Depth to water table: at surface | Depth to saturated soil: at surface

Are hydrology indicators present? Yes [√] No [ ]

Primary Indicators:

- [√] Inundation
- [√] Saturation in upper 12"
- [√] Sediment deposits
- [√] Water marks
- [√] Wetland drainage patterns

Secondary Indicators:

- [√] H_2O Stained leaves
- [ ] Local soil survey data
- [√] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Criterion met? Yes

SOILS:

NRCS mapped soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 4/2	silty clay loam	CMD 10YR 5/6 SIMs & ORZs
6-18	10YR 4/1	loam	CCP 7.5YR 5/6 & 5YR 4/6 SIMs

Hydric soil indicators: Yes [√] No [ ]

[ ]	Histosol	[√]	Aquic moisture regime	[ ]	Concretions	[ ]	Nationally listed hydric
[ ]	Histic epipedon	[√]	Reducing conditions	[ ]	High organic content (sandy)	[ ]	County listed hydric
[ ]	Sulfuric Odor	[√]	Low-chroma/gleyed	[ ]	Organic streaking (sandy)	[ ]	Other (in Notes)

Criterion met? Yes

DETERMINATION:

Is this a jurisdictional wetland? Yes: [√] No: [ ]

Designation: Wetland

Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	LT8-10b
Is the site significantly disturbed?	Yes		No	√	Community ID:	Riparian forested
Is the site a potential problem area?	Yes		No	√		

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
QUGA	white oak	*Quercus garryana*	Tree	UPL	30%
ACMA	big-leaf maple	*Acer macrophyllum*	Tree	FACU	45%
FRLA	Oregon ash	*Fraxinus latifolia*	Tree	FACW	30%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	25%
POMU	swordfern	*Polystichum munitum*	Fern	FACU	25%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 155%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present Depth to water table: >18 inches Depth to saturated soil: >18 inche

Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:

- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:

- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes:

Criterion met?

SOILS:

NRCS mapped soil type: (128B) Veneta loam Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-7	10YR 3/3	loam	None present
7-18	10YR 4/3	loam	None present

Hydric soil indicators: Yes [ ] No [√]

- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes:

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

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Field Data Form
Routine On-Site Wetland Determination

Project: Veneta LWI | Project number: 9731 | Date: July 15, 1997
Applicant/ Owner: | County: Lane | State: Oregon
Address: | Tax lot number: 1706 2500 100 | Investigators: Jennifer Guard and Peter Stinson

Do normal circumstances exist on site?	Yes	√	No		Sample Plot ID:	LT8-10c
Is the site significantly disturbed?	Yes		No	√	Community ID:	White oak/ big-leaf maple
Is the site a potential problem area?	Yes		No	√		riparian woodland

Location:

VEGETATION:

Alpha Code	Common Name	Scientific Name	Stratum	Indicator Status	% Cover
QUGA	white oak	*Quercus garryana*	Tree	UPL	50%
ACMA	big-leaf maple	*Acer macrophyllum*	Tree	FACU	40%
AMAL	serviceberry	*Amelanchier alnifolia*	Shrub	FACU	20%
SYAL	snowberry	*Symphoricarpos albus*	Shrub	FACU	30%
POTR	rough bluegrass	*Poa trivialis*	Grass	FACW	25%

Percent dominant species that are OBL, FACW or FAC: 20% Percent cover: 165%

Criterion met? No

HYDROLOGY:

Depth of surface water: None present | Depth to water table: >18 inches | Depth to saturated soil: >18 inche

Are hydrology indicators present? Yes [ ] No [√]

Primary Indicators:
- [ ] Inundation
- [ ] Saturation in upper 12"
- [ ] Sediment deposits
- [ ] Water marks
- [ ] Wetland drainage patterns

Secondary Indicators:
- [ ] H_2O Stained leaves
- [ ] Local soil survey data
- [ ] ORZ Channels in upper 12"
- [ ] FAC- neutral test
- [ ] Other

Notes:

Criterion met? No

SOILS:

NRCS mapped soil type: (128B) Veneta loam | Drainage class: Moderately well drained
Subgroup: Fine, mixed, mesic *Ultic Haploxeralf* | On hydric soils list? Noti inclusions

Depth (inches)	Matrix Color	Texture/ Structure	Redoximorphic features/ Soft Fe masses; Concretions; Depletions
0-6	10YR 3/2	loam	None present
6-18	10YR 4/2	loam	None present

Hydric soil indicators: Yes [ ] No [√]
- [ ] Histosol
- [ ] Aquic moisture regime
- [ ] Concretions
- [ ] Nationally listed hydric
- [ ] Histic epipedon
- [ ] Reducing conditions
- [ ] High organic content (sandy)
- [ ] County listed hydric
- [ ] Sulfuric Odor
- [ ] Low-chroma/gleyed
- [ ] Organic streaking (sandy)
- [ ] Other (in Notes)

Notes:

Criterion met? No

DETERMINATION:

Is this a jurisdictional wetland? Yes: [ ] No: [√]

Designation: Upland

Appendix III

THE OFWAM RESULTS

Veneta Local Wetlands Inventory

Oregon Freshwater Assessment Methodology
(Revised Edition, April 1996)

Project Name:	Veneta LWI	**Date:**	September, 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code: A			
Wetland Code:	LT-4	**Wetland Type(s):**	PUBx, PEM
Wetland Location:	See Map, Sheet L4		
Area (acres):	16.31	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
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-2	B	Q-2	C	Q-2	C	Q-2	B	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	A	Q-5	A
Q-6	A	Q-6	B	Q-6	B	Q-6	C	Q-6	A
Q-7	A					Q-7	~~C~~		
Q-8	C								
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides some 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~~ impacted/degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	C	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	C	Q-4	B	Q-4	A
Q-5	A	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	C

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate 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
(Revised Edition, April 1996)
Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code: A	**Wetland Code:** LT-4

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides some wildlife habitat	No woody vegetation, artificially created
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No species present, no suitable habitat
Water Quality	Wetland's water quality function is impacted or degraded	No flooding, low degree of vegetative cover
Hydrologic Control	Wetland's hydrologic control function is ~~intact~~ impacted or degraded	No flooding, emergent vegetation only, developed uses, urbanizing, agriculture downstream
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Zoned for development
Enhancement Potential	Wetland has high enhancement potential	Other functions degraded
Education	Wetland is not appropriate for educational use	Not accessible to the public
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Not accessible to the public, no hunting or fishing
Aesthetic Quality	Wetland is not pleasing	Unpleasant odors, sewage treatment plant

Oregon Freshwater Assessment Methodology
(Revised Edition, April 1996)

Project Name:	Veneta LWI	**Date:**	September, 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Onsite and prior study
Wetland Assessment Unit Code:	B		
Wetland Code:	LT-2, LT-3	**Wetland Type(s):**	PUB, PEM, PFO, PSS
Wetland Location:	See Map, Sheet L2/ LT-2 is between Hwy 126 & Southern Pacific RR tracks. LT-3 is S. of RR tracks		
Area (acres):	27.61	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	A	Q-1	B
Q-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	B	Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	A	Q-5	A
Q-6	A	Q-6	C	Q-6	A	Q-6	B	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9B	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 function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	C	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

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 opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code: B	**Wetland Code:**	LT-2, LT-3

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Provides wildlife corridor between urbanized section to the east and the Long Tom River west of LT2, provides wildlife buffer between Highway 126 and railroad tracks, high degree of wildlife habitat-including beaver, deer and small mammals
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	Floodplain, evidence of flooding and ponding, good vegetation cover
Hydrologic Control	Wetland's hydrologic control function is intact	Floodplain, urbanizing area
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Zoned for development, dominated by woody vegetation
Enhancement Potential	Wetland has high enhancement potential	One or more other functions are degraded, potentially sensitive to future impacts
Education	Wetland has potential for educational use	No public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	No fishing or hunting
Aesthetic Quality	Wetland is considered to be moderately pleasing	More than two Cowardin classes provide good structure, intact plant communities, sense of remoteness within a quasi-urban context, significant natural heritage

Oregon Freshwater Assessment Methodology
(Revised Edition, April 1996)

Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Prior study
Wetland Assessment Unit Code:	C		
Wetland Code:	LT-1 (west)	**Wetland Type(s):**	PEM, PSS, PFO
Wetland Location:	See Map, Sheet L2		
Area (acres):	3.94	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	A	Q-1	A	Q-1	B
Q-2	A	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	A	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	A
Q-5	C	Q-5		Q-5	C	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	B	Q-6	A	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Not applicable
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

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	C	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	C	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

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 opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
(Revised Edition, April 1996)
Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	C	**Wetland Code:**	LT-1 (west)

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Tax lot 700 is completely developed and degraded; the remainder of this site provides wildlife habitat in the forested areas as well as in the old mill pond, where aquatic bed is buffered by PSS wetlands
Fish Habitat	Not applicable	No connection to stream, river, pond, or lake
Water Quality	Wetland's water quality function is intact	Wetland is in the floodplain, some flooding and ponding evident
Hydrologic Control	Wetland's hydrologic control function is intact	Restricted outlet, Highway 126 fill and development
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Woody vegetation, more than 2 Cowardin wetland types, plant diversity, aquatic dependant communities.
Enhancement Potential	Wetland has high enhancement potential	Provides diverse wildlife habitat
Education	Wetland has potential for educational use	Limited public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access
Aesthetic Quality	Wetland is considered to be moderately pleasing	More than two Cowardin classes, viewing is obstructed, continuous traffic noise from Hwy 126

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Prior study
Wetland Assessment Unit Code:	D		
Wetland Code:	LT-1 (east)	**Wetland Type(s):**	PEM
Wetland Location:	See Map, Sheet L2		
Area (acres):	.56	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1		Q-1	B	Q-1	A	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	C	Q-3	C
Q-4		Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	A	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Not applicable
Water Quality	Wetland's water quality function is lost or not present
Hydrologic Control	Wetland's hydrologic control function is lost or not present
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	C	Q-1	C	Q-1	C
Q-2	C	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	C	Q-3	C	Q-3	C
Q-4	C	Q-4	C	Q-4	C	Q-4	C
Q-5	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	C

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland is not appropriate 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

(Revised Edition, April 1996)

Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	D	**Wetland Code:**	LT-1 (east)

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Only one Cowardin class, isolated, not connected to other wetlands; small, less than 1/2 acre
Fish Habitat	Not applicable	No connection to stream, river, pond, or lake
Water Quality	Wetland's water quality function is lost or not present	Low degree of vegetative cover, developed uses, no flooding
Hydrologic Control	Wetland's hydrologic control function is lost or not present	Urbanizing, emergent vegetation only, developed uses; small wetland, less than 1 acre; restricted outlet
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Developed uses, woody vegetation, only one vegetation class
Enhancement Potential	Wetland has little enhancement potential	Inadequate buffers, urbanizing, one other function degraded, wetland is not sensitive to future impacts; e.g., zoned for low impact development, resilient habitat; highly disturbed already
Education	Wetland is not appropriate for educational use	Provides limited public access, limited public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, no hunting or fishing
Aesthetic Quality	Wetland is not pleasing	Areas manipulated by people, traffic noise mixed with natural sounds, visual detractors/barriers, limited contrast with surrounding areas

Oregon Freshwater Assessment Methodology
(Revised Edition, April 1996)

Project Name:	Veneta I.WI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Onsite
Wetland Assessment Unit Code:	E		
Wetland Code:	FR3, FR4, FR5, FR6a, FR6b	**Wetland Type(s):**	PEM, PSS, PFO, PUBx, PUB
Wetland Location:	See Map, Sheet 2. South of Highway 126		
Area (acres):	96.49	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	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-3	A	Q-3	C	Q-3	A	Q-3	A	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	B	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	A	Q-5	A
Q-6	A	Q-6	C	Q-6	C	Q-6	B	Q-6	A
Q-7	A					Q-7	A		
Q-8	B								
Q-9B	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 intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	B	Q-1	B	Q-1	C	Q-1	A
Q-2	A	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	A	Q-3	B	Q-3	C
Q-4	A	Q-4	A	Q-4	A	Q-4	A
Q-5	A	Q-5	B	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate 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 moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	E	**Wetland Code:**	FR3, FR4, FR5, FR6a, FR6b

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides diverse wildlife habitat	Provides corridor, more than two Cowardin classes, connected to other wetlands, no upstream or adjacent reaches are water quality limited
Fish Habitat	Wetland's fish habitat function is impacted or degraded	Less than 50% of stream is shaded, stream channel highly modified, very few instream structures, no fish species present
Water Quality	Wetland's water quality function is intact	In the floodplain, evidence of flooding/ponding, high degree of vegetative cover
Hydrologic Control	Wetland's hydrologic control function is intact	Floodplain, large wetland-greater than 5 acres, livestock grazing
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Woody vegetation, zoned for developed uses, more than one vegetation class
Enhancement Potential	Wetland has moderate enhancement potential	Good vegetative buffer, surface flow, diverse wildlife habitat
Education	Wetland has potential for educational use	Existing safety hazards, provides limited public access, provides diverse wildlife habitat
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, passive recreational opportunities only (e.g., birdwatching, photography)
Aesthetic Quality	Wetland is considered to be moderately pleasing	More than one Cowardin class, no unpleasant odors, large tract of open range land with one Cowardin class, natural sounds prevail, high degree of contrast with surrounding landscape/areas

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(Revised Edition, April 1996)

Project Name:	Veneta LWI	**Date:**	September, 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Onsite
Wetland Assessment Unit Code: F			
Wetland Code:	LT-5	**Wetland Type(s):**	PUBx, PSS, PEM
Wetland Location:	ODOT mitigation pond - see Map, Sheet L2		
Area (acres):	3.46	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	C	Q-1	A	Q-1	B
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	A	Q-4	A	Q-4	B	Q-4	A	Q-4	B
Q-5	C	Q-5	B	Q-5	B	Q-5	B	Q-5	A
Q-6	B	Q-6	C	Q-6	B	Q-6	C	Q-6	B
Q-7	A					Q-7	C		
Q-8	B								
Q-9B	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 impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	A	Q-1	A	Q-1	C
Q-2	B	Q-2	C	Q-2	C	Q-2	A
Q-3	C	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5	B	Q-5	A	Q-5	B	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational opportunities
Aesthetic Quality	Wetland is not pleasing

Oregon Freshwater Wetland Assessment Methodology

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	F	**Wetland Code:**	LT-5

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Low interspersion quality, adjacent to busy highway
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No fish species present, no suitable habitat
Water Quality	Wetland's water quality function is impacted or degraded	Groundwater, low degree of wetland vegetation
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Within floodplain, restricted outlet, open space
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Woody vegetation, urbanizing area, Hwy 126
Enhancement Potential	Wetland has high enhancement potential	One or more functions degraded, flow restricted, lacking vegetation buffer
Education	Wetland is not appropriate for educational use	Limited access, limited wildlife opportunity, fish habitat is lost or not present, safety hazards
Recreation	Wetland has the potential to provide recreational opportunities	An access point is maintained, viewing areas do not disrupt wildlife or plant habitat
Aesthetic Quality	Wetland is not pleasing	Continuous traffic noise with little or no natural sounds

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(Revised Edition, April 1996)

Project Name:	Veneta LWI	**Date:**	September, 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Prior study
Wetland Assessment Unit Code: G			
Wetland Code:	LT-6	**Wetland Type(s):**	PUBx, PEMx
Wetland Location:	Archaeological dig (a 400 feet wide by 850 feet deep by one foot deep rectangular excavation) north of ODOT mitigation pond. See Map, Sheet L2		
Approximate Area (acres):	8.08	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1		Q-1	B	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3		Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4		Q-4	A	Q-4	B	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	B
Q-6	B	Q-6		Q-6	B	Q-6	B	Q-6	C
Q-7	A					Q-7	C		
Q-8	B								
Q-9B	A								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Not applicable
Water Quality	Wetland's water quality function is intact
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded
Sensitivity to Impact	Wetland is not sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	A	Q-1	C	Q-1	B
Q-2	C	Q-2	C	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	C	Q-5	B	Q-5	B
Q-6	A	Q-6	A	Q-6	B	Q-6	C

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is potentially appropriate 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

(Revised Edition, April 1996)

Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	G	**Wetland Code:**	LT-6

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Lacks woody vegetation and buffering
Fish Habitat	Not applicable	No connection to stream, river, pond, or lake
Water Quality	Wetland's water quality function is intact	Groundwater, artificially created wetland
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Within floodplain, restricted outlet, open space
Sensitivity to Impact	Wetland is not sensitive to future impacts	Artificially created
Enhancement Potential	Wetland has high enhancement potential	One or more of the functions is impacted or degraded
Education	Wetland is potentially appropriate for educational use	City owned property
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	No hunting or fishing
Aesthetic Quality	Wetland is not pleasing	Continuous traffic noise from Hwy 126, artificially created

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Project Name:	Veneta LWI	**Date:**	September, 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Prior study
Wetland Assessment Unit Code: H			
Wetland Code:	LT-7	**Wetland Type(s):**	PFO, PUB
Wetland Location:	See map, Sheet L2; North of LT-6; associated with Long Tom riparian corridor		
Area (acres):	.58	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
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-2	C	Q-2	A	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	A	Q-5	B	Q-5	C	Q-5	B
Q-6	A	Q-6	C	Q-6	B	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9B	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 impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	B	Q-1	C	Q-1	A
Q-2	A	Q-2	C	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	H	**Wetland Code:**	LT-7

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Dominated by woody vegetation, small wetland
Fish Habitat	Wetland's fish habitat function is impacted or degraded	Few instream structures, no fish species present, developed uses
Water Quality	Wetland's water quality function is impacted or degraded	Groundwater, small isolated, restricted outlet
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Restricted outlet, small wetland
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Woody vegetation
Enhancement Potential	Wetland has high enhancement potential	Potentially sensitive
Education	Wetland is not appropriate for educational use	Small isolated, limited public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	No fishing, no hunting
Aesthetic Quality	Wetland is considered to be pleasing	Significant contrast with surrounding landscape, pleasant sounds, remote

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Project Name:	Veneta I.WI	**Date:**	September, 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Prior study
Wetland Assessment Unit Code: I			
Wetland Code:	LT-8	**Wetland Type(s):**	PFO, PUB
Wetland Location:	See map, Sheet L2; associated with the Long Tom riparian corridor		
Area (acres):	.09	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	A	Q-5	C	Q-5	C	Q-5	B
Q-6	A	Q-6	C	Q-6	B	Q-6	C	Q-6	C
Q-7	A					Q-7	C		
Q-8	B								
Q-9B	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 lost or not present
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	B	Q-1	C	Q-1	A
Q-2	A	Q-2	C	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	I	**Wetland Code:**	LT-8

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Dominated by woody vegetation, very small wetland
Fish Habitat	Wetland's fish habitat function is impacted or degraded	Very little shade, modified stream channel, no fish species present
Water Quality	Wetland's water quality function is impacted or degraded	Groundwater, small isolated, restricted outlet,
Hydrologic Control	Wetland's hydrologic control function is lost or not present	Restricted outlet, small wetland, forested land, no woody vegetation
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Presence of woody vegetation
Enhancement Potential	Wetland has high enhancement potential	Potentially sensitive to future impacts
Education	Wetland is not appropriate for educational use	Small isolated, limited public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	No fishing or hunting
Aesthetic Quality	Wetland is considered to be pleasing	Significant contrast with surrounding landscape, pleasant sounds, remote

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta , Oregon	**Type of Assessment:**	Onsite & Offsite
Wetland Assessment Unit Code: J			
Wetland Code:	FR-2	**Wetland Type(s):**	PEM, PFO
Wetland Location:	See Map, Sheet L2; north side of Jean Road, east of Hope Lane		
Area (acres):	.20	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1		Q-1	A	Q-1	A	Q-1	A
Q-2	A	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4		Q-4		Q-4	C	Q-4	B	Q-4	A
Q-5	B	Q-5		Q-5	B	Q-5	A	Q-5	A
Q-6	B	Q-6		Q-6	B	Q-6	B	Q-6	A
Q-7	A					Q-7	B		
Q-8	C								
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Not applicable
Water Quality	Wetland's water quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	C	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	C	Q-4	B	Q-4	B
Q-5	B	Q-5	C	Q-5	C	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	J	**Wetland Code:**	FR-2

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Two Cowardin classes provide nesting and shelter, no open water, woody vegetation
Fish Habitat	Not applicable	No connection to stream, river, pond, or lake
Water Quality	Wetland's water quality function is impacted or degraded	Small, disconnected from other wetlands.
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Small, isolated from other wetlands, restricted outlet, floodplain, agriculture downstream
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Dominated by woody species
Enhancement Potential	Wetland has high enhancement potential	Other functions are degraded, potentially sensitive to future impacts
Education	Wetland is not appropriate for educational use	No public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Private property, no public access
Aesthetic Quality	Wetland is considered to be moderately pleasing	More than two Cowardin classes, not completely visible from viewing point

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Offsite
Wetland Assessement Unit Code: K			
Wetland Code:	FR-1	**Wetland Type(s):**	PEM, PSS
Wetland Location:	See Map, Sheet L3; Highway 126, just west of the Texaco station		
Area (acres):	.45	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1		Q-1	C	Q-1	A	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4		Q-4		Q-4	C	Q-4	A	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	B	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Not applicable
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

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	C	Q-2	C	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	C	Q-4	B	Q-4	B
Q-5	B	Q-5	C	Q-5	C	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has moderate enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	K	**Wetland Code:**	FR-1

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Small, isolated wetland, two Cowardin classes present, surrounded by commercial development and Hwy 126
Fish Habitat	Not applicable	No connection to stream, river, pond, or lake
Water Quality	Wetland's water quality function is impacted or degraded	Small, not in floodplain, seasonal wetland that doesn't experience much flooding, only ponding
Hydrologic Control	Wetland's hydrologic control function is intact	Small size, surrounded by residential and commercial development, restricted outlet
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	In developed area
Enhancement Potential	Wetland has moderate enhancement potential	Other functions degraded
Education	Wetland is not appropriate for educational use	No public access, no hunting, fishing, or passive recreation opportunities
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	No public access
Aesthetic Quality	Wetland is considered to be moderately pleasing	Entire wetland visible, adjacent to gas station, auto body shop and Hwy 126 creates traffic noises and visual detractors

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code:	L		
Wetland Code:	U-2a	**Wetland Type(s):**	PEM
Wetland Location:	Between 6th & Territorial off Woodland Ave. Also see Map, Sheet L4		
Area (acres):	.67	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2	C	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	C	Q-3	A	Q-3	C	Q-3	C
Q-4		Q-4	A	Q-4	B	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	C	Q-5	A
Q-6	A	Q-6	C	Q-6	C	Q-6	C	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat is impacted or degraded
Water Quality	Wetland's water quality function is intact
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	B	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	C	Q-4	B	Q-4	C
Q-5	B	Q-5	C	Q-5	B	Q-5	C
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is not pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	L	**Wetland Code:**	U-2a

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Provides corridor, only one Cowardin class, connected to other wetlands, small wetland-less than 1/2 acre
Fish Habitat	Wetland's fish habitat is impacted or degraded	Less than 25% shade, no woody vegetation, no species present, developed uses
Water Quality	Wetland's water quality function is intact	In the floodplain, low degree of vegetative cover, surface flow, urbanizing
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Floodplain, open space, emergent vegetation only, developed uses, small wetland-less than one acre in size, surrounded by residential & commercial uses
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel, developed uses, zoned for developed uses, only one vegetation class
Enhancement Potential	Wetland has high enhancement potential	Surface flow, one other function degraded, urbanizing, small wetland lacking effective buffer
Education	Wetland is not appropriate for educational use	Provides limited wildlife habitat, existing safety hazards, no viewing place for people with limited mobility
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, no hunting or fishing
Aesthetic Quality	Wetland is not pleasing	Exotic species, areas manipulated by people, traffic noise mixed with natural sounds, visual detractors/barriers, limited contrast with surrounding areas

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Project Name:	Veneta LWI	**Date:**	August & December 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Onsite, Offsite
Wetland Assessment Unit Code:	M		
Wetland Code:	U-2b, U-3, U-4, U-5, U-6, U-7 P-2, P-3, P-4, P-5	**Wetland Type(s):**	PEM, PSS, PFO
Wetland Location:	See Map, Sheet L4		
Area (acres):	9.34	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	B	Q-1	A	Q-1	A
Q-2	A	Q-2	A	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	B	Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	C
Q-5	A	Q-5	C	Q-5	C	Q-5	A	Q-5	C
Q-6	A	Q-6	C	Q-6	C	Q-6	C	Q-6	A
Q-7	A					Q-7	C		
Q-8	C								
Q-9B	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

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	C	Q-2	A	Q-2	C	Q-2	B
Q-3	A	Q-3	A	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	M	**Wetland Code:**	U-2b, U-3, U-4, U-5, U-6, U-7 P-2, P-3, P-4, P-5

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Provides corridor, more than two Cowardin classes, connected to other wetlands
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No fish species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	In the floodplain, evidence of flooding/ponding, high degree of vegetative cover, surface flow, unrestricted flow
Hydrologic Control	Wetland's hydrologic control function is intact	Floodplain, open space, unrestricted outlet
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Woody vegetation, zoned for developed uses
Enhancement Potential	Wetland has high enhancement potential	Potentially sensitive to future impacts, one other function degraded, diverse wildlife habitat
Education	Wetland is not appropriate for educational use	Provides limited public access, diverse wildlife habitat, existing safety hazards, no viewing place for people with limited mobility
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, no hunting or fishing
Aesthetic Quality	Wetland is considered to be moderately pleasing	More than one Cowardin class, limited viewing areas, traffic noise mixed with natural sounds

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Onsite and Offsite
Wetland Assessment Unit Code: N			
Wetland Code:	P-1, P-6	**Wetland Type(s):**	PEMx, PEM, PSS, PFO
Wetland Location:	See map sheet L5. Huston Road		
Area (acres):	13.30	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
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-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	A	Q-3	C	Q-3	A	Q-3	A	Q-3	C
Q-4	B	Q-4	A	Q-4	A	Q-4	C	Q-4	C
Q-5	A	Q-5	A	Q-5	C	Q-5	A	Q-5	C
Q-6	A	Q-6	B	Q-6	C	Q-6	C	Q-6	A
Q-7	A					Q-7	C		
Q-8	C								
Q-9A									
Q-9B	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

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	A	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	B	Q-4	B	Q-4	C
Q-5	A	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has potential to provide recreational opportunities
Aesthetic Quality	Wetland is not pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	N	**Wetland Code:**	P-1, P-6

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides diverse wildlife habitat	Extensive wetland area with three Cowardin classes, wildlife corridor
Fish Habitat	Wetland's fish habitat function is intact	Open space dominates land use downstream; vegetative cover over more than 75% of stream
Water Quality	Wetland's water quality function is intact	Surface flow, evidence of flooding, large wetland, greater than 5 acres in size
Hydrologic Control	Wetland's hydrologic control function is intact	Within floodplain
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Channel modified, no diversion of water
Enhancement Potential	Wetland has high enhancement potential	Surface flow unrestricted, developed uses
Education	Wetland has potential for educational use	Diverse wildlife, limited public access
Recreation	Wetland has potential to provide recreational opportunities	No fishing, hunting, or public access
Aesthetic Quality	Wetland is not pleasing	Limited access- diffficult to negotiate on foot- no vehicular access, visual barriers

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code: O			
Wetland Code:	L-7, L-8, L-9	**Wetland Type(s):**	PEM, PSS, PFO
Wetland Location:	See Map, Sheet L5		
Area (acres):	2.53	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	A
Q-3	A	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	B	Q-4	C
Q-5	A	Q-5	C	Q-5	C	Q-5	A	Q-5	C
Q-6	A	Q-6	C	Q-6	C	Q-6	C	Q-6	A
Q-7	A					Q-7	C		
Q-8	C								
Q-9B	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 impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	A
Q-5	B	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	C	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is not pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	O	**Wetland Code:**	L-7, L-8, L-9

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Provides corridor, more than two Cowardin classes, connected to other wetlands, limited open water, woody vegetation, no upstream reaches arewater quality limited
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	In the floodplain, evidence of flooding/ ponding, no upstream reaches are water quality limited
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Floodplain, developed uses
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Zoned for developed uses, more than one vegetation class
Enhancement Potential	Wetland has high enhancement potential	Good vegetative buffer, surface flow, potentially sensitive to future impacts, one other function degraded
Education	Wetland is not appropriate for educational use	Provides limited public access, limited wildlife habitat, no viewing place for people with limited mobility
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, no hunting or fishing
Aesthetic Quality	Wetland is not pleasing	Limited viewing, visual detractors

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code: P			
Wetland Code:	L-3a, L-3b, L-4, L-5, L-6, L-10, L-11	**Wetland Type(s):**	PUB, PEM, PSS, PFO
Wetland Location:	North & South of side of Perkins Rd. See Map, Sheet L6		
Area (acres):	7.45	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	A	Q-2	B	Q-2	B	Q-2	A	Q-2	A
Q-3	A	Q-3	C	Q-3	C	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	C	Q-5	A	Q-5	A
Q-6	A	Q-6	C	Q-6	A	Q-6	C	Q-6	A
Q-7	A					Q-7	A		
Q-8	C								
Q-9B	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

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	B	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	C
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5	B	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	C	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	P	**Wetland Code:**	L-3a, L3b, L-4, L-5, L-6, L-10, L-11

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Limited open water, developed uses, more than two Cowardin classes, connected to other wetlands
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No species present, no suitable habitat
Water Quality	Wetland's water quality function is impacted or degraded	In the floodplain, evidence of flooding/ponding, surface flow, developed uses
Hydrologic Control	Wetland's hydrologic control function is intact	Floodplain, urbanizing, developed uses, woody vegetation
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel in adjacent reaches, developed uses, zoned for developed uses, woody vegetation, more than one vegetation class
Enhancement Potential	Wetland has high enhancement potential	Potentially sensitive to future impacts, one other function degraded, urbanizing
Education	Wetland is not appropriate for educational use	Provides limited public access, limited wildlife habitat, no viewing place for people with limited mobility
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, passive recreational opportunities (e.g., birdwatching, photography), no hunting or fishing
Aesthetic Quality	Wetland is considered to be moderately pleasing	Limited access (difficult to negotiate on foot-no vehicular access), more than one Cowardin class, areas of wetland that are not visible, limited contrast with surrounding areas

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	*Veneta, Oregon*	***Type of Assessment:***	*Offsite*
Wetland Assessment Unit Code: Q			
Wetland Code:	L-2	**Wetland Type(s):**	PEM, PSS, PFO
Wetland Location:	Perkins Road. Also see Map, Sheet L5		
Area (acres):	1.27	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	B	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	C	Q-3	B	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	C	Q-5	B	Q-5	C
Q-6	A	Q-6	C	Q-6	C	Q-6	C	Q-6	C
Q-7	A					Q-7	C		
Q-8	C								
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat is impacted or degraded
Water Quality	Wetland's water quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	C	Q-1	A
Q-2	A	Q-2	B	Q-2	C	Q-2	C
Q-3	A	Q-3	A	Q-3	C	Q-3	C
Q-4	B	Q-4	C	Q-4	A	Q-4	C
Q-5	C	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	C	Q-6	B	Q-6	A

Results:

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 opportunities
Aesthetic Quality	Wetland is not pleasing

Oregon Freshwater Wetland Assessment Methodology

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	Q	**Wetland Code:**	L-2

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Connected to other wetlands, no upstream or adjacent reaches are water quality limited, provides corridor, more than two Cowardin classes
Fish Habitat	Wetland's fish habitat is impacted or degraded	Very little shade, few instream structures, no fish species present
Water Quality	Wetland's water quality function is impacted or degraded	In the floodplain, evidence of flooding/ponding, low degree of vegetative cover, surface flow, developed uses, unrestricted flow
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Floodplain, urbanizing, developed uses, unrestriced outlet
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel, developed uses, zoned for developed uses, more than one vegetation class
Enhancement Potential	Wetland has high enhancement potential	Surface flow, potentially sensitive to future impacts, one other function degraded, urbanizing, lacks effective vegetative buffer
Education	Wetland has potential for educational use	Provides limited public access, provides diverse wildlife habitat
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, no hunting or fishing
Aesthetic Quality	Wetland is not pleasing	More than one Cowardin class, areas manipulated by people, visual detractors, barriers, limited contrast with surrounding areas

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code:	R		
Wetland Code:	L1-a, L1-b	**Wetland Type(s):**	PEM, PSS, PFO
Wetland Location:	Perkins Road - See Map, Sheet L6		
Area (acres):	1.64	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
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-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	A	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	B	Q-4	A	Q-4	B	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	C	Q-5	C	Q-5	A
Q-6	A	Q-6	C	Q-6	B	Q-6	A	Q-6	A
Q-7	A					Q-7	C		
Q-8	C								
Q-9B	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 intact
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	A	Q-2	C	Q-2	B
Q-3	A	Q-3	A	Q-3	C	Q-3	C
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-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	R	**Wetland Code:**	L1-a, L1-b

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides diverse wildlife habitat	Provides corridor, more than two Cowardin classes, connected to other wetlands
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	Evidence of flooding/ponding, forested edge, no upstream reaches are water quality limited
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Floodplain, developed uses downstream, unrestricted outlet, little woody vegetation
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel in adjacent reaches, developed uses, woody vegetation
Enhancement Potential	Wetland has high enhancement potential	Surface flow, potentially sensitive to future impacts, one other function degraded
Education	Wetland is not appropriate for educational use	Provides limited public access, diverse wildlife habitat
Recreation	Wetland has the potential to provide recreational opportunities	Limited public access, passive recreational opportunities only (e.g., birdwatching, photography), no hunting or fishing
Aesthetic Quality	Wetland is considered to be moderately pleasing	Limited viewing areas, traffic noise mixed with natural sounds, limited access (difficult to negotiate on foot-no vehicular access), high degree of contrast with surrounding landscape, three Cowardin classes

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, Oregon	**Type of Assessment:**	Onsite & offsite
Wetland Assessment Unit Code:	S		
Wetland Code:	M-1a, M-1b	**Wetland Type(s):**	PEM2, PEMx, PFO, PSS
Wetland Location:	*See Map L4. West of T Junction between Perkins and Territorial; tax lot 1806011602*		
Area (acres):	3.85	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
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-2	A	Q-2	A	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	A	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	B	Q-4	A
Q-5	A	Q-5	B	Q-5	B	Q-5	A	Q-5	A
Q-6	A	Q-6	C	Q-6	C	Q-6	A	Q-6	A
Q-7	A					Q-7	A C		
Q-8	B								
Q-9B	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 intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	C	Q-1	C	Q-1	A
Q-2	A	Q-2	A	Q-2	C	Q-2	C
Q-3	A	Q-3	A	Q-3	C	Q-3	C
Q-4	B	Q-4	C	Q-4	A	Q-4	A
Q-5	A	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is not pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	S	**Wetland Code:**	M-1a, M-1b

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides diverse wildlife habitat	More than two Cowardin classes, connected to other wetlands, no upstream or adjacent reaches are water quality limited
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	Agricultural uses downstream, in the floodplain, high degree of vegetative cover, surface flow
Hydrologic Control	Wetland's hydrologic control function is intact	Floodplain, urbanizing, developed uses downstream, livestock grazing
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel in adjacent reaches, developed uses, woody vegetation, zoned for developed uses
Enhancement Potential	Wetland has high enhancement potential	Good vegetative buffer, surface flow, urbanizing, diverse wildlife habitat
Education	Wetland is not appropriate for educational use	Provides limited public access, diverse wildlife habitat, existing viewing place for people with limited mobility
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	Limited public access, passive recreational opportunities, no hunting or fishing
Aesthetic Quality	Wetland is not pleasing	Limited access (difficult to negotiate on foot-no vehicular access), visual detractors/barriers, limited viewing areas

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, OR	**Type of Assessment:**	Onsite & Offsite
Wetland Assessment Unit Code: T			
Wetland Code:	M-2, M-3, M-4, M-5, M-6	**Wetland Type(s):**	PEM, PFO, PSS
Wetland Location:	See map sheet L6		
Area (acres):	4.89	**Investigators:**	PRS, BJG

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	C	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-3	A	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4	A	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	C	Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6	C	Q-6	C	Q-6	C	Q-6	A
Q-7	A					Q-7	C		
Q-8	A								
Q-9b	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 intact
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	**A**	**Q**	**A**	**Q**	**A**	**Q**	**A**
Q-1	A	Q-1	B	Q-1	C	Q-1	A
Q-2	A	Q-2	C	Q-2	C	Q-2	B
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	C	Q-5	A	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland has the potential to provide recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	T	**Wetland Code:**	M-2, M-3, M-4, M-5, M-6

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides diverse wildlife habitat	Two Cowardin classes, woody vegetation, limited aquatic habitat, development/urbanizing
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No fish species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	Moderate vegetative cover, surface flow, in the floodplain, developed uses
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Evidence of flooding or ponding within flood plain, urbanizing
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel, large wetland-greater than five acres, agricultural uses, zoned for development
Enhancement Potential	Wetland has high enhancement potential	Other functions degraded, unrestricted flow, greater than five acres
Education	Wetland is not appropriate for educational use	No public access
Recreation	Wetland has the potential to provide recreational opportunities	No hunting or fishing, limited access
Aesthetic Quality	Wetland is considered to be pleasing	More than one Cowardin class, areas of wetland that are not visible

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Project Name:	Veneta LWI	**Date:**	August 1997
Project Location:	Veneta, OR	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code: U			
Wetland Code:	M-7	**Wetland Type(s):**	PEM
Wetland Location:	South of "T" intersection of Perkins Rd with Territorial		See map sheet L5
Area (acres):	N/A	**Investigators:**	PRS, BJG

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-1	C	Q-1	C	Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2	B	Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3	C	Q-3	A	Q-3	C	Q-3	C
Q-4		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-6	A	Q-6	C	Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	C		
Q-8	C								
Q-9a									
Q-9b	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 function is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	C	Q-1	A
Q-2	C	Q-2	C	Q-2	C	Q-2	C
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	A	Q-4	A
Q-5	A	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	B	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland is not appropriate for educational use
Recreation	Wetland is not appropriate for or does not provide recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
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Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	U	**Wetland Code:**	M-7

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides habitat for some wildlife species	Provides corridor, only one Cowardin class
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No fish species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	Evidence of flooding or ponding within flood plain, low degree of vegetative cover
Hydrologic Control	Wetland's hydrologic control function is impacted or degraded	Evidence of flooding or ponding, livestock grazing (agricultural use), forested - open space
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Modified channel in adjacent reaches, woody vegetation, zoned for developed uses
Enhancement Potential	Wetland has high enhancement potential	One other function degraded, urbanizing, small wetland lacking effective buffer
Education	Wetland is not appropriate for educational use	No public access
Recreation	Wetland is not appropriate for or does not provide recreational opportunities	No hunting or fishing
Aesthetic Quality	Wetland is considered to be moderately pleasing	One Cowardin class, small area of wetland

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Project Name:	Veneta LWI	**Date:**	August, 1997
Project Location:	Veneta, OR	**Type of Assessment:**	Offsite
Wetland Assessment Unit Code:	V		
Wetland Code:	U-1a, U-1b	**Wetland Type(s):**	PEM, PSS, PFO
Wetland Location:	See Map, Sheet L5		
Area (acres):	1.07	**Investigators:**	Jennifer Guard and Peter Stinson

Function and Condition Assessment Answers:

Wildlife Habitat		Fish Habitat		Water Quality		Hydrologic Control		Sensitivity to Impact	
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-2	A	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	A	Q-3	B	Q-3	C
Q-4	B	Q-4	A	Q-4	B	Q-4	B	Q-4	A
Q-5	A	Q-5	C	Q-5	C	Q-5	C	Q-5	A
Q-6	A	Q-6	C	Q-6	A	Q-6	A	Q-6	B
Q-7	A					Q-7	A		
Q-8	C								
Q-9B	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 intact
Hydrologic Control	Wetland's hydrologic control function is intact
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

Function and Condition Assessment Answers:

Enhancement Potential		Education		Recreation		Aesthetic Quality	
Q	A	Q	A	Q	A	Q	A
Q-1	A	Q-1	B	Q-1	C	Q-1	B
Q-2	C	Q-2	A	Q-2	C	Q-2	B
Q-3	B	Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	B	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has potential recreational opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Function and Condition Summary Sheet for OFWAM

Project Name:	Veneta LWI

Wetland Assessment Unit Code:	V	**Wetland Code:**	U-1a, U-1b

Function	Assessment	Rationale
Wildlife Habitat	Wetland provides diverse wildlife habitat	Small wetland, some woody vegetation, no upstream or adjacent reaches are water quality limited
Fish Habitat	Wetland's fish habitat function is impacted or degraded	No fish species present, no suitable habitat
Water Quality	Wetland's water quality function is intact	Floodplain, evidence of flooding or ponding, surface flow, forested edge
Hydrologic Control	Wetland's hydrologic control function is intact	Located in the floodplain, urbanizing, developed uses, small wetland-less than one acre
Sensitivity to Impact	Wetland is potentially sensitive to future impacts	Developed uses up and downstream, woody vegetation, diversion of flow
Enhancement Potential	Wetland has high enhancement potential	Surface flow, potentially sensitive to future impacts, one other function degraded, adequate vegetative buffer
Education	Wetland has potential for educational use	Access is allowed only by permission of the property owner, some wildlife functions are not present
Recreation	Wetland has potential recreational opportunities	No hunting or fish, no visual detractors, limited public access
Aesthetic Quality	Wetland is considered to be moderately pleasing	Traffic noise, no unpleasant odors, more than one Cowardin class