City of Winston
Local Wetlands Inventory



Prepared for
City of Winston, Oregon

Prepared by
Pacific Habitat Services, Inc.
Wilsonville, Oregon

September 2002

City of Winston
Local Wetlands Inventory

Prepared for

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1.0 INTRODUCTION

The City of Winston (City), through a Wetland Planning Grant from the Oregon Division of State Lands (DSL), hired Pacific Habitat Services, Inc. (PHS) to conduct a Local Wetlands Inventory (LWI) for a 2,989-acre study area within the City's Urban Growth Boundary. The study area is in Douglas County (Township 28 South, Range 6 West, Sections 8, 9, 16, 17, 20, 21, 22, 28, 29, and 30) and includes portions of Lookingglass Creek, Applegate Creek and the South Umpqua River. Figure 1 illustrates the location of the study area. Figures are in Appendix A.

The goal of the study is to address the requirements of Statewide Planning Goal 5 (Natural Resources, Scenic and Historic Areas, and Open Spaces), and Oregon Administrative Rule (OAR) Section 660, Division 23. The objective of Goal 5 is to "protect natural resources and conserve scenic, historic and open space resources for present and future generations." Specifically, the City hired PHS to determine the location and extent of wetlands; assess the quality of the wetlands; and determine which of these wetlands are significant according to the requirements of Goal 5. A Riparian Inventory and Assessment was also funded under the same planning grant and is submitted as a separate report.

This report begins by discussing the definitions used in the report and inventory (Section 2), followed by the methodology used to conduct the field work for the LWI, the wetland assessment methodology, and the methodology used to produce the maps for the inventory (Section 3). Cartography for the project is outlined in Section 4; Section 5 outlines staff qualifications of individuals at PHS who worked on the project; Section 6 discusses the study area characteristics, such as the climate, topography, soils and vegetation; Section 7 discusses the Local Wetlands Inventory results, including wetland distribution, acreage, and Cowardin classification, as well as the results of the *Oregon Freshwater Wetland Assessment Methodology*; Section 8 discusses the determination of significant wetlands according to Goal 5; Section 9 provides a project summary; and Section 10 includes references.

There are six appendices to the report. Appendix A contains the Figures. Appendix B contains the wetland characterization sheets for each wetland, organized by wetland code. The characterization sheets note wetland location, tax lots, acreage, Cowardin classification, soil series, wetland vegetation, adjacent upland vegetation, and other notes related to adjacent wetlands or hydrology. This form was completed for each wetland unit, regardless of whether it was an on-site or off-site determination.

Appendix C contains the wetland determination data forms. These forms document the sample points taken for the on-site wetlands. Hydrology, soils, and dominant vegetation are recorded for each sample point in order to determine whether it is wetland or upland.

Appendix D is the *Oregon Freshwater Wetland Assessment Methodology* data and summary for each wetland unit. Each wetland's functions and conditions are assessed according to an established state methodology. The results and rationale are also summarized for each wetland unit. In addition, a determination of significance for each wetland unit is included in Appendix E. Appendix F contains a non-comprehensive listing of plant species encountered or expected within the project area.

2.0 DEFINITIONS

These terms helped define the methodology used for the City of Winston Local Wetlands Inventory and may be referred to in this report.

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

Cowardin Wetland Classification

The classification of wetlands as defined by plants, soils and the frequency of flooding is described in "Classification of wetlands and deepwater habitats of the United States." (Cowardin, et. al. 1979) See Palustrine System.

Goal 5

Goal 5 (OAR 660, Division 23) is intended "to protect natural resources, and conserve scenic and historic areas and open spaces." (DLCD, 1995)

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)." (COE, 1987)

The growing season for any given site or location is determined from Natural Resource Conservation Service (NRCS, formerly the 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.

Hydric Soils

"Soils which are ponded, flooded, or saturated for long enough during the growing season to develop anaerobic conditions." (USDA, SCS, 1985)

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 that have brightly colored mottles and a low matrix chroma are indicative of a fluctuating water table.

Hydric soil indicators 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 unmottled soils.

Hydrogeomorphic (HGM) Wetland Classification

A method of assessing wetlands using the physical, chemical, and biological functions of wetlands. It is based on the relationship of geomorphic setting, water source, and hydrodynamics. (Brinson, 1993)

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." (National Resource Council, 1995)

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," are as follows: obligate wetland plants (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), and obligate upland (UPL).

Local Wetlands Inventory (LWI)

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 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 and National Wetlands Inventory maps, aerial photographs, and soils surveys.

The approximate location of wetlands 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.

The maps and documents produced for the LWI are intended for planning purposes only. Mapped wetland boundaries are accurate to within 25 feet; however, there may be unmapped wetlands that are subject to regulation. In all cases, actual field conditions determine wetland boundaries.

Palustrine System (P--)

"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, fens, as well as shallow, permanent or intermittent water bodies called ponds." (Cowardin et. al. 1979)

- **Emergent Wetland (PEM)**

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

- **Scrub-shrub Wetland (PSS)**

Wetlands dominated by shrubs and tree saplings that are less than 20 feet high.

- **Forested Wetland (PFO)**

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

- **Open Water, excavated (POWx)**

A wetland class consisting of areas of water less than 6.6 feet deep that lies within a basin or channel excavated by man.

Water Resource

"An intermittent or perennial stream, pond, river, lake and including their adjacent wetlands." (DSL, 1998)

Waters of the State

Natural waterways including all tidal and nontidal bays, intermittent streams, constantly flowing streams, lakes, wetlands and other bodies of water in this state, navigable and nonnavigable. Natural waterways are defined as: waterways created naturally by geological and hydrological processes, and waterways that would be natural but for human-caused disturbances (e.g. channelized or culverted streams, impounded waters, partially drained wetlands or ponds created in wetlands). (ORS 196.800-196.990, 1995)

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).

Wetland Assessment

Determining the relative quality of a wetland by assessing its functions and conditions. The methodology generally used to determine the relative quality of wetlands for purposes of an LWI is the Oregon Freshwater Wetland Assessment Methodology. (Roth, et. al. 1996)

Wetland Classification

The classification of wetlands as defined by plants, soils and the frequency of flooding is described in "Classification of wetlands and deepwater habitats of the United States." (Cowardin, et. al. 1979) See Palustrine System.

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." (Roth et al., 1996)

Wetland Function

"A characteristic action or behavior associated with a wetland that contributes to a larger ecological condition such as wildlife habitat, water quality and/or flood control." (Roth, et. al. 1996)

Wetland Hydrology

"Permanent or periodic inundation or prolonged soil saturation sufficient to create anaerobic conditions in the upper soil profile." (COE, 1987)

Wetlands Regulation

Wetlands in Oregon are regulated by the Division of State Lands (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.

3.0 PROJECT METHODOLOGY

3.1 Public Involvement

Prior to beginning the inventory, the City of Winston mailed letters to landowners who had areas of mapped hydric soils, soils with hydric inclusions, National Wetlands Inventory mapped wetlands, or suspected wetland areas on their property. The letter was a notice requesting permission for site access.

Landowners were requested to either grant site access, deny site access, or grant access by appointment. A parcel-based map of the Urban Growth Boundary of Winston was prepared showing those parcels where access was approved, denied or an appointment was requested. These property boundaries were transferred to an aerial photo base map by PHS staff for use during the inventory.

A public meeting was held on June 26, 2001, to introduce the project to the residents of Winston. This meeting was held prior to the date required for return of the access request letters to answer any questions affected landowners may have had for representatives of the City, PHS, or DSL.

A second public meeting was held on August 22, 2002, to present the draft results of the wetland inventory to the residents of Winston.

Landowners were requested to mark a box on the access notice, either granting site access, denying site access, or granting access by appointment. If there was no response, individual landowners may have been contacted directly by either the City or PHS. Eighty-three (83) notices were mailed to landowners, with access allowed to 27 (32%).

3.2 Local Wetlands Inventory Methodology

3.2.1 Routine Off-site Determination

Prior to beginning field work, 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 for the Douglas County Area, Oregon (NRCS, unpublished), the National Wetlands Inventory maps, and September 2, 1999 color aerial photographs at a scale of 1 inch = 400 feet

If access to land was allowed, the wetland boundaries were verified in the field (see Section 3.2.2). If access was not granted, the boundaries were based on the mapping conducted in the office, and on observation of wetland boundaries from adjacent roads or properties.

In addition, off-site potential wetlands less than 0.5 acres in size were marked on the map and coded with a "PW" for potential wetland. Ponds and streams were also marked on the map as other potentially jurisdictional waters.

3.2.2 Routine On-site Determination

Where property access permission had been granted, on-site observation and inspection of soils, vegetation, and hydrology were made using the Routine On-site method of the 1987 manual. Soil pits were excavated up 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.

Field work for the inventory was conducted between September 2001 and May 2002. 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 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. Copies of the methodology are available from DSL for a fee. 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.

Wetland Functions

Wildlife habitat: Evaluates the habitat diversity for species usually associated with wetlands, without emphasizing one particular species. Wetlands assessed by OFWAM can provide diverse habitat for wildlife, habitat for some wildlife species, or does not provide habitat.

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

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

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

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

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

Wetland Conditions

Sensitivity to Future Impacts: Evaluates the wetlands ability to sustain itself and its ability to recover from future impacts. It is an indication of risk to the wetland because of future changes in the watershed and surrounding land. A wetland can be assessed by OFWAM as sensitive to future impacts, potentially sensitive to future impacts, or not sensitive to future impacts. An undisturbed forested wetland is more sensitive to future impact than a wetland that has already been disturbed, such as agricultural wetland.

Enhancement Potential: Evaluates the suitability of a degraded wetland for enhancement. A wetland providing this condition does not provide one or more of the functions assessed by OFWAM. A wetland fulfilling this condition, therefore, would be of lower overall quality than a wetland providing wildlife habitat, fish habitat, etc. Wetlands that provide diverse wildlife habitat were not assessed in this section, as per the revised OFWAM. Wetlands are assessed as either high enhancement potential, moderate enhancement potential, or little enhancement potential.

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

3.3.2 Wetlands of Special Interest for Protection

The first filter in OFWAM is to determine whether the wetland is in a management plan, is a mitigation site protected by a deed restriction, 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.

3.3.3 Field Methodology

During the process of determining the boundaries for the LWI, data were also collected for the process of determining its relative quality. Data collected for this purpose are explained in the Wetland Characterization section of OFWAM. Data collected in the field included the Cowardin classes, the types of disturbance (if any) in the wetland area, the hydrology of the wetland area (e.g. the location of constrictions, connections to other wetlands), the presence of fish, large woody debris, the degree of vegetative cover, and other information necessary to complete the assessment of the wetland in the office.

If the wetland determination was off-site, the OFWAM section and wetland characterization was based on review of the aerial photographs and knowledge of other similar or adjacent wetlands.

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 or assumptions that were used in answering the assessment questions:

Water Quality: Applegate Creek, Lookingglass Creek, and the South Umpqua River are all listed as water quality limited on the Oregon Department of Environmental Quality 303(d) list (ODEQ, 1998). Applegate Creek is listed for temperature; Lookingglass Creek is listed for flow modification; and the South Umpqua River is listed for temperature, bacteria, biological criteria, pH and aquatic weeds or algae. This information was used in the following questions in OFWAM: Wildlife, question 7; Fish Habitat, question 4; Water Quality, question 6; and Sensitivity to Future Impacts, question 3. It is also used in the determination of Locally Significant wetlands, as wetlands within ¼ mile of a listed stream and having intact or impacted water quality function would meet the criteria for a Locally Significant wetland

Fish Habitat: DSL maps both Lookingglass Creek and the South Umpqua River as Essential Salmonid Habitat (ESH). The *Oregon Guideline for Timing of In-water Work to Protect Fish and Wildlife Resources* (Oregon Department of Fish and Wildlife (ODFW), 2000) identifies fall and summer chinook, coho, winter steelhead and cutthrout trout as potentially present in the South Umpqua River and its tributaries, such as Lookingglass Creek. This information was used to answer questions in the Fish Habitat, question 6.

Floodplains: A 100-year floodplain is mapped along both the South Umpqua River and Lookingglass Creek. Question 1 in Hydrologic Control was answered using this information.

Land Use: The City provided a zoning map of properties within city limits, for the study area. Questions 6 and 7 in Hydrologic Control and question 5 in Sensitivity to Future Impacts were answered based on this information.

Enhancement Potential: The enhancement potential section was not required if the wetland was assessed with "diverse wildlife habitat", as per OFWAM directive. In addition, question 3 was specifically directed towards wetlands whose primary source of hydrology was surface water. If this was not the case, question 3 was not answered.

4.0 CARTOGRAPHY

Color aerial photographs were obtained for use in the field. These photos are September 2, 1999 true color, with a scale of approximately 1 inch = 400 feet. Clear acetate was overlaid and permanently registered on the photographs and preliminary wetland boundaries and data point locations were drawn directly on the acetate in the field. In addition, areas within the project area where permission to enter was denied were drawn on the acetate overlays. The wetland boundaries and approximate affected tax lot boundaries were then transferred into a digital format and inserted into a computer-based map obtained through the City of Winston from the Umpqua Regional Council of Governments.

Additional layers added to the AutoCAD base map included watershed basin boundaries, streams from the USGS, additional geographic names, wetland codes, and sample point locations. A hydrologic basin refers to the drainage area for an individually named stream or creek. There are two hydrologic basins within the study area: Lookingglass Creek and South Umpqua River. The Lookingglass watershed includes Applegate Creek.

Each wetland was assigned a code beginning with the three letter watershed designation and a wetland number (e.g. LKG-1 for Lookingglass Creek and SUM-1 South Umpqua River. Wetlands that were hydrologically connected but separated by roads were labeled with a code modifier (e.g. LKG-2A, 2B). Tax lots with no access (i.e. off-site determinations) were outlined differently on the maps.

In addition to the base map, PHS generated a series of maps including the project boundary (Figure 1), soils (Figure 2), and the National Wetlands Inventory map (Figure 3). The soils maps for Douglas County are not available, however a soils layer was provided by the Council of Governments. In addition, the National Wetlands Inventory maps are at different scales and levels of detail.

5.0 STAFF QUALIFICATIONS

The inventory was conducted by wetland scientists with extensive experience in wetland inventories and the Goal 5 process. The following summarizes the project team experience.

John van Staveren:	President/Natural Resources Division; Senior Scientist; Professional Wetland Scientist
Project Role:	Project Manager
Project Responsibility:	Contract negotiations, monthly billing Wetland and riparian inventory field work and assessment Public presentations Quality control Project coordination

John van Staveren has managed over 600 wetlands-related projects, including 12 large-scale wetland inventories; conducted over 750 wetland delineations; testified at numerous public hearings; and provided expert witness testimony. He served as technical advisor to two Citizen Advisory Committees responsible for establishing criteria for the determination of significant wetlands for purposes of Goal 5 and the determination of significant natural resources for purposes of Goal 17.

John van Staveren served on two Oregon Division of State Land's Technical Advisory Committees (TACs) responsible for developing statewide policy on wetlands. These TACs are to establish statewide criteria for determining locally significant wetlands for Goal 5 and to establish a payment option for wetland mitigation. He was a Wetlands Expert team member providing analysis of the OFWAM, and was a reviewer for the latest revision to the methodology.

Patricia Farrell: Professional Wetland Scientist

Project Role:	Assistant Project Manager
Project Responsibility:	Wetland and riparian inventory field work and assessment
	Quality control and editing

Patricia Farrell is a Professional Wetlands Scientist with a bachelor's degree in biology and a master's in landscape architecture. Patricia has played a major role in eleven Local Wetlands Inventories, conducted Goal 5 and Goal 17 natural resource surveys, conducted riparian inventories, and applied the *Oregon Freshwater Assessment Methodology* to hundreds of wetlands. She has also assisted in the development of local ordinances related to protection of significant Goal 5 natural resources and in the development of the *Urban Riparian Inventory and Assessment Guide.*

Caroline Rim: Wetland Scientist, Biologist

Project Role:	Wetland Scientist
Project Responsibility:	Wetland and riparian inventory field work and assessment

Caroline Rim's experience as an environmental consultant includes natural resource site assessments in conjunction with wetland delineations, determinations, designing and monitoring wetland mitigation sites, as well as wildlife habitat assessments and environmental permit processing. She has conducted six Local Wetland Inventories.

Tom Rodgers: AutoCAD and Arc-Info Specialist

Project Role:	Cartographer
Project Responsibility:	Mapping
	Graphics

Tom Rodgers is a computer graphics specialist, with experience in the production of Local Wetlands Inventories. He is proficient with AutoCAD Map, Arc-View and Arc-Info programs. He has prepared the maps for several LWIs and coordinated with Planning Departments and Council of Governments to ensure that map products and digital information is compatible with local operating systems.

Jane Le Blanc: Technical Editor

Project Role:	Technical Editor
Project Responsibility:	Graphics
	Report editing, formatting and layout
	Data input

Jane Le Blanc is a technical editor and provides permitting support for PHS. Her duties include formatting and editing wetland reports, proposals, and letters as well as data input.

6.0 STUDY AREA CHARACTERISTICS

6.1 Setting

The study area includes the City of Winston Urban Growth Boundary (UGB). The area is mostly residential/rural residential, with small areas devoted to public facilities (e.g. parks, schools), commercial and agricultural.

6.2 Topography

The City of Winston is located in the Umpqua interior foothills between the Cascade and Coast Ranges. The South Umpqua River forms the southern boundary of the area, and makes a distinctive curve (i.e. Civil Bend) around the City. A terrace is located in the southeast bend of the river and is not included within the UGB. This lower alluvial floodplain terrace includes agricultural lands as well as gravel pits. In general, the study area slopes to the river to the south, with steep hillsides located in the northern study area.

Elevations range from approximately 1200 feet NGVD in the northern hills to approximately 530 feet NGVD along the South Umpqua River.

6.3 Hydrology

6.3.1 Hydrologic Features of the Winston Study Area

The main hydrologic features of the Winston area are Applegate Creek, Lookingglass Creek and the South Umpqua River.

The Lookingglass Creek watershed includes Applegate Creek, a small drainage originating in the northern hills and within the Wildlife Safari property. Lookingglass Creek is a perennial, Essential Salmonid Habitat stream. Applegate Creek was likely intermittent, however the Wildlife Safari augments the flow in the stream by pumping water from the South Umpqua to one of the several headwater streams. This water provides a base flow to the creek in the summer. The Applegate then drains through the Safari property and fills many of the wildlife ponds. In the safari viewing areas (i.e. within the fenced area), the animals generally have free access to the ponds, streams and wetlands. A mitigation wetland site is located in the southern portion of the Safari with several excavated ponds (LKG-2B). Wildlife has been excluded from this area.

Applegate Creek flows south through a large wet meadow/forested wetland before becoming channelized and disturbed near Lookingglass Road. Wetland filling and ditching of the channel have occurred in this area. The Applegate then joins Lookingglass Creek approximately 1,500 feet from the confluence of Lookingglass Creek with the South Umpqua River. Another tributary of the South Umpqua, Brockway Creek also converges just downstream. Brockway has approximately 5,000 linear feet in the UGB and is a perennial drainage.

Other un-named tributaries occur in the study area, as well as numerous hillside seeps and springs. The following table summarizes the extent of each drainage within the study area.

Table 1. Extent of Drainages in the Winston LWI Study Area

Name	Extent of Drainage
Applegate Creek	11,000 linear feet
Lookingglass Creek	4,000 linear feet
Brockway Creek	5,300 linear feet
South Umpqua River	10,400 linear feet

6.3.2 Watershed Designation

The study area was divided into two watersheds: Lookingglass Creek and South Umpqua River. The Lookingglass Creek watershed includes Applegate Creek and the South Umpqua watershed includes Brockway Creek. The watershed boundaries were based on topography and observations of drainage patterns in the field. The watersheds and their sizes are listed in Table 2 below:

Table 2: Watersheds and Acreages for the Winston LWI

Watershed	Area (acres)
Lookingglass Creek (LKG)	1,154
South Umpqua River (SUM)	1,835
Total Project Acreage	**2,989**

6.3.3 Hydrologic Indicators

Direct indicators of hydrology observed during the inventory included soils saturated at or near the surface, inundation, wetland drainage patterns and/or a shallow water table. Indirect indicators included oxidized rhizospheres with living roots, algal mats, and water stained leaves.

6.4 Soils

Table 3 lists the soils that have been mapped by the Natural Resources Conservation Service (formerly the Soil Conservation Service) within the study area. Figure 2 is a soils map for the project area.

Table 3. Soil units and their Hydric Soils Status for the Winston LWI

Soil Series #	Soil Name	Hydric Status
8F	Atring gravely loam, 30-60% slopes	No
14C	Banning loam, 3-12% slopes	No
34A	Camas-Newberg complex, 0-3% slopes	No
37A	Chapman-Chehalis complex, 0-3% slopes	No
41E	Climax clay, 12-30% slopes	No
42B	Coburg silty clay loam, 0-5 slopes	No
43A	Coburg silty clay loam, flooded, 0-3 percent slopes	No
44A	Conser silty clay loam, 0-3% slopes	Yes
48C	Curtin clay 3-12% slopes	No
48D	Curtin clay, 12-20% slopes	No
54E	Dickerson-Rock outcrop complex, 3-30% slopes	No
62F	Dixonville silty clay loam, 30-60% north slopes	No
75C	Dupee silty clay loam, 3-12 slopes	No
78A	Evans loam, 0-3% slopes	No
81A	Foehlin gravelly loam, 0-3% slopes	No
115E	Joesphine gravelly loam, 12-20% slopes	No
149E	McMullin-Reston complex, 3-30% slopes	No
149F	McMullin-Reston complex, 30-75% slopes	No
164A	Newberg fine sandy loam, 0-3% slopes	No
166C	Nonpareil loam, 3-12% slopes	No
166E	Nonpareil loam, 12 - 30% slopes	No
169F	Nonpareil-Oakland complex, 30-60% slopes	No
170E	Oakland silt loam, 20-30% slopes	No
173E	Oakland-Dupee complex 12-30% slopes	No
188D	Pengra silt loam 2-20% slopes	Yes
188E	Pengra silt loam 20-30% slopes	Yes
189E	Philomath-Dixonville complex, 30-70% slopes	No
190F	Philomath-Edenbower complex, 12-30% slopes	No
214A	Roseburg loam, 0-3% slopes	No
225D	Speaker loam, 2-20% slopes	No
225E	Speaker loam, 20-30% slopes	No
230E	Speaker-Nonpareil complex, 30-60% slopes	No
234C	Stockel fine sandy loam, 3-12%	No
235C	Sutherlin silt loam, 3-12% slopes	No
235D	Sutherlin silt loam, 12-20% slopes	No
255C	Veneta loam, 0-12% slopes	No
255D	Veneta loam, 12-20% slopes	No
257A	Waldo silty clay loam, 0-3% slopes	Yes

A variety of soil types were sampled during field visits to the study area; surface features are described on data sheets in Appendix C. Hydric soil indicators observed during the survey included low chroma soils, both with and without mottling, and an aquic moisture regime in some locations.

6.5 Vegetation

6.5.1 Overview

Vegetation communities in the mid-Willamette Valley have been shaped by human activities for centuries. Native Americans were known to use fire to aid their hunting and gathering activities by favoring the growth of certain groups of plants. Euro-American settlement in the mid-19th century rapidly changed the composition of plant communities throughout the area, with urban areas, farmland, and other developments coming to dominate the landscape. Areas that now appear to retain natural vegetation have nevertheless been subject to fire suppression, clearing, logging, and grazing activities over the years.

The Umpqua Valley now consists of a mosaic of oak woodlands, coniferous forests, grasslands, chapparral shrub communities, and riparian forests broken up by development and agriculture. Climax communities are generally considered to be forest types dominated by Douglas fir (*Pseudotsuga menziesii*), Ponderosa pine (*Pinus ponderosa*) and Oregon white oak (*Quercus garryana*), or by Oregon ash (*Fraxinus latifolia*) in wetter sites. Further discussion of plant communities within the interior valleys of western Oregon can be found in *Natural Vegetation of Oregon and Washington* (Franklin and Dyrness 1973).

6.5.2 Vegetation Communities

Plant communities encountered within the Winston study area include upland mixed conifer/deciduous forest, oak woodlands, riparian forest, agricultural/pastureland, disturbed/urban, and wetland. Wetland communities can be further distinguished as palustrine/open water, palustrine/emergent, palustrine/scrub-shrub, and palustrine/forested, following the Cowardin classification system developed for the US Fish and Wildlife Service (Cowardin, et al. 1979). Each of the above communities is described in the sections below. In addition, a non-comprehensive list of plants for the area is included in Appendix F.

Upland Mixed Conifer/Deciduous Forest

This community is present in the steep northern hills that separate the South Umpqua and the Lookingglass watersheds. The dominant species in the overstory are white and black oak (*Quercus alba, Q. kelloggii*), Douglas fir, incense cedar (*Calocedrus decurrens*), madrone (*Arbutus menziesii*) and bigleaf maple (*Acer macrophyllum*). Ponderosa pine is also occasionally present.

Typical understory shrubs include poison oak (*Rhus diversiloba*), snowberry (*Symphoricarpos albus*), Indian Plum (*Oemleria cerasiformis*), Scot's broom (*Cytisus scoparius*), cascara (*Rhamnus purshiana*), and beaked hazelnut (*Corylus cornuta*). Typical herbaceous species include mixed drought tolerant grasses such as bromes. Seepage areas in these areas also occur and have a more mesic mix of herbaceous species, such as camas, rushes and sedges and water foxtail.

Riparian Forest

Riparian forests are located in narrow bands along drainages. Species such as Oregon ash, black cottonwood (*Populus trichocarpa*), and bigleaf maple may co-dominate with Oregon white oak and Douglas fir.

Understory species may include Sitka willow (*Salix sitchensis*), redosier dogwood (*Cornus stolonifera*), pacific ninebark (*Physocarpus capitatus*), and Indian plum.

Agricultural/Pastureland

A large portion of the study area is agricultural or rural residential. These areas include a vineyard, but is mostly pasture used for grazing animals (cattle, sheep, or horses). Some fields of mixed grasses are also apparently used for hay production. The main agricultural areas however are located outside the UGB and in the productive farmland in the lower terrace by the river.

Wetland

Wetland areas are generally transitional between upland and truly aquatic areas, which have permanent open water. The wetland may occupy a position where the groundwater table remains at or near the surface for an extended period during the growing season, however, surface inundation may or may not be present. Many of the wetlands in the study area are seasonally saturated or inundated. Vegetation varies depending on the extent of disturbance.

Agricultural wetlands obviously have been influenced by farming or grazing activities, and likely are dominated by grasses and forbs. Wetlands that have not been farmed or logged are usually dominated by Oregon ash, black cottonwood and other hydrophytic trees and shrubs.

Palustrine forested wetlands in the area are dominated by Oregon ash. Palustrine scrub/shrub wetlands often include saplings of the above species, along with such shrubs as Douglas' hawthorn (*Crataegus douglasii*), clustered rose (*Rosa pisocarpa*), red osier dogwood, Douglas' spiraea (*Spiraea douglasii*), and willows (*Salix* spp.).

Palustrine emergent wetlands in the Winston area are commonly dominated by species such as, sedges (*Carex* spp.), rushes (*Juncus* spp.), pennyroyal (*Mentha pulegium*), common camas (*Camassia quamash*), buttercups (*Ranunculus* spp.), and wetland grasses, such as meadow foxtail (*Alopecurus pratensis*), common velvetgrass (*Holcus lanatus*) and colonial bentgrass (*Agrostis tenuis*).

Developed-Urban

This type of landscape is located in the City center and the denser residential areas. Species are often of horticultural origin or weedy in these areas of commercial and residential parking lots, roads, parks, and sidewalks all represent unvegetated or landscaped areas. Unpaved areas subject to frequent disturbance generally remain as open spaces dominated by weedy grasses and forbs.

6.5.3 Wetland and Upland Indicator Species

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 true wetland boundaries. In such areas, a species with a status of FACU may extend into the wetland areas, just as FACW species may also be present in upland areas. Table 4 summarizes the wetland indicator codes.

Table 4. Wetland Indicator Codes and Status

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.

A non-comprehensive listing of plant species encountered or expected within the project area, and their wetland indicator status is included in Appendix F.

7.0 LWI DISCUSSION AND CONCLUSIONS

7.1 U.S. Fish & Wildlife Service National Wetland Inventory

The U.S. Fish and Wildlife Service, as part of the National Wetlands Inventory (NWI) program, has mapped wetland in the study area (Figure 3). The southern portion of the study area has been mapped on a 15-minute scale (1:62,500), with limited refinement of the boundaries (Roseburg Quadrangle). The northern portion of the study area has been mapped on a 7.5-minute scale map (1:24,000)(Roseburg West, Quadrangle). The 7.5 minute and 15-minute NWI maps were generated primarily on the basis of interpretation of relatively small-scale color infrared aerial photographs (e.g., scale of 1:58,000) with limited "ground truthing" conducted to confirm the interpretations.

As shown on the maps, areas of wetlands was mapped within the Lookingglass Creek watershed. This includes the steeper hills of the Wildlife Safari property along Applegate Creek, as well as the flatter lands near Lookingglass Creek Road. In the steeper portions of the watershed are hillside seepage areas that may or may not have sufficient hydrology to display hydric soil conditions and meet the criteria for wetlands.

7.2 Local Wetlands Inventory Results

7.2.1 Wetland Acreage and Distribution

A total of 52 wetland units were identified during the LWI with a total acreage of 69.44 acres. Of the two watersheds within the study area, Lookingglass Creek has the highest percentage of wetlands within the watershed (4%) and the South Umpqua River watershed has the smallest percentage (1%). Table 5 summarizes the wetland acreage and distribution in the study area. Figures 4A-4C shows the wetlands for the LWI.

Table 5: Wetland Areas Within Each of the Watersheds for the Winston LWI

Watershed	Area (acres)	Wetland (acres)	Percent of watershed that is wetland
Lookingglass Creek (LKG)	1,154	42.61	4%
South Umpqua River (SUM)	1,835	26.83	1%
Total Project Acreage	**2,989**	**69.44**	

7.2.2 Wetland Classification

Each wetland was classified according to the Cowardin system. Palustrine emergent wetlands (PEM) are the dominant (82%) wetland type in the study area. These wetlands are dominated by herbaceous species. Palustrine forested (PFO) wetlands were the second most prevalent wetland class (12%), followed by palustrine open water, excavated (POWx)(5%) and palustrine scrub-shrub (PSS)(1%).

Table 6 is a summary of wetland classifications for the Winston LWI study area. Table 7 (pages 19-20) is a classification table listing each wetland. Appendix B includes a wetland characterization sheet for each inventoried wetland that summarizes the plant communities, hydrology, location, and any general notes about adjacent upland areas.

Table 6. Wetland Classifications found within the Winston LWI

Wetland Classification	Area (acres)	Percent
Palustrine forested (PFO)	8.56	12%
Palustrine scrub-shrub (PSS)	0.51	1%
Palustrine emergent (PEM)	56.89	82%
Palustrine open water, excavated (POWx)	3.48	5%
Total	**69.44**	**100%**

Table 7. Cowardin classification of wetlands identified in the Winston LWI

Wetland Code	USFWS Wetland Classification				Total Acreage
	PFO	PSS	PEM	POWx	
LKG-1A			1.26	1.02	2.28
LKG-1B			0.30		0.30
LKG-1C			0.13		0.13
LKG-1D			0.41		0.41
LKG-1E			0.35		0.35
LKG-1F			0.65		0.65
LKG-1G	1.44		1.63	1.80	4.87
LKG-1H	0.11				0.11
LKG-1I			0.10	0.16	0.26
LKG-1J			0.28		0.28
LKG-2A	4.57		9.27		13.84
LKG-2B			1.46	0.35	1.81
LKG-2C			2.11		2.11
LKG-3			0.14		0.14
LKG-4A			4.42		4.42
LKG-4B			0.55		0.55
LKG-5			0.98		0.98
LKG-6			0.26		0.26
LKG-7			0.28		0.28
LKG-8	0.15				0.15
LKG-9	2.08		6.23		8.31
LKG-10	0.12				0.12
SUM-1A			2.57		2.57
SUM-1B			2.07		2.07
SUM-1C			0.18		0.18
SUM-1D			1.66		1.66
SUM-1E			0.28		0.28
SUM-1F			0.13		0.13
SUM-1G			0.08		0.08
SUM-1H			0.25		0.25
SUM-1I			0.15		0.15
SUM-1J			0.08		0.08
SUM-1K			0.23		0.23
SUM-1L			0.12		0.12
SUM-2A			1.39		1.39
SUM-2B			1.21		1.21
SUM-2C			0.16		0.16
SUM-2D			0.18		0.18
SUM-2E			0.40		0.40

Table 7, continued

Wetland Code	USFWS Wetland Classification				Total Acreage
	PFO	PSS	PEM	POWx	
SUM-3A			0.28		0.28
SUM-3B			0.02		0.02
SUM-4			0.13		0.13
SUM-5			0.07		0.07
SUM-6			0.80		0.80
SUM-7A			0.10		0.10
SUM-7B			0.06		0.06
SUM-8			0.12		0.12
SUM-9	0.09	0.51	1.31	0.07	1.98
SUM-10A			1.55	0.08	1.63
SUM-10B			0.94		0.94
SUM-10C			9.31		9.31
SUM-11			0.25		0.25
TOTAL	**8.56**	**0.51**	**56.89**	**3.48**	**69.44**

7.3 *Oregon Freshwater Wetland Assessment Methodology* Results

7.3.1 Wetlands of Special Interest for Protection

Each of the wetlands was assessed according to the ten questions in this section of OFWAM. These questions are regarding the presence of federal or state listed threatened, endangered or sensitive species, existing management plans, conservation plans, protected mitigation areas, critical habitat, wetland reserve areas and the presence of uncommon wetland plant communities in Oregon. These questions were answered "no" for all the wetlands, with the exception of the mitigation site on the Wildlife Safari property (LKG-2B). This was the only wetland that had a known mitigation site, protected by a conservation easement, that would qualify as "wetlands of special interest for protection".

7.3.2 Wetland Quality Assessment

An assessment of the quality for each of the wetlands identified through the inventory was conducted using the *Oregon Freshwater Assessment Methodology* (OFWAM) (Roth et al, April 1996). OFWAM assesses 6 functions and 3 conditions, as described in Section 3.3.1.

Appendix D contains all of the results for each of the wetlands assessed by the methodology along with summary sheets of the functions and conditions assessed by the methodology and the rationale for the results.

Wetlands of Special Interest Questions

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-2B

1 **Does the Wetland contain threatened, endangered or sensitive species of wildlife, plants , invertebrates or fish? If yes, list.** B
- a Yes
- b No
- c Unknown

List: _____

2 **Is the wetland designated as critical habitat or essential habitat for federal- or state-listed threatened or endangered species of** B
- a Yes
- b No
- c Unknown

List: _____

3 **Is the wetland a dedicated or proposed Registered State Natural Area or Area of Critical Environmental Concern, State Natural** B
- a Yes
- b No
- c Unknown

List which it is: _____

4 **Is the wetland of regional or national significance for migratory birds?** B
- a Yes
- b No
- c Unknown

List which species: _____

5 **Is the wetland protected in a local wetland conservation plan or a local comprehensive plan as a Goal 5 or Goal 17 resource?** B
- a Yes
- b No
- c Unknown

6 **Is the wetland a designated State Outstanding Resource Water?** B
- a Yes
- b No
- c Unknown

Wetlands of Special Interest Questions

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-2B

7 **Is the wetland a protected area in a recognized federal, state or local management plan, e.g., for a park, refuge or scenic river?** B
- a Yes
- b No
- c Unknown

8 **Is the wetland a protected mitigation site for a removal-fill permit, federal 404 fill permit, or enforcement action?** A
- a Yes
- b No
- c Unknown

9 **Is the wetland a restoration or protected area included in the wetland reserve program administered by the Natural Resources** B
- a Yes
- b No
- c Unknown

10 **Is the wetland considered rare or unique in Oregon? Examples include bogs, vernal pools, and old growth forested wetlands.** B
- a Yes
- b No
- c Unknown

Wetlands of Special Interest Questions

Project Name: Winston Local Wetland Inventory

Wetland Code: ALL EXCEPT LKG-2B

1 Does the Wetland contain threatened, endangered or sensitive species of wildlife, plants , invertebrates or fish? If yes, list. B

a Yes
b No
c Unknown

List: _____

2 Is the wetland designated as critical habitat or essential habitat for federal- or state-listed threatened or endangered species of B

a Yes
b No
c Unknown

List: _____

3 Is the wetland a dedicated or proposed Registered State Natural Area or Area of Critical Environmental Concern, State Natural B

a Yes
b No
c Unknown

List which it is: _____

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

a Yes
b No
c Unknown

List which species: _____

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

a Yes
b No
c Unknown

6 Is the wetland a designated State Outstanding Resource Water? B

a Yes
b No
c Unknown

Wetlands of Special Interest Questions

Project Name: Winston Local Wetland Inventory

Wetland Code: ALL EXCEPT LKG-2B

7 Is the wetland a protected area in a recognized federal, state or local management plan, e.g., for a park, refuge or scenic river? B

a Yes
b No
c Unknown

8 Is the wetland a protected mitigation site for a removal-fill permit, federal 404 fill permit, or enforcement action? B

a Yes
b No
c Unknown

9 Is the wetland a restoration or protected area included in the wetland reserve program administered by the Natural Resources B

a Yes
b No
c Unknown

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

a Yes
b No
c Unknown

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 to easily compare the results. Table 8 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 the 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 number 2 was assigned to the results which do not fit the other criteria (potential, impacted or degraded). Table 9 (pages 22-23) shows the results of the quality assessment conducted on all of the wetlands identified through the inventory. 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" then the enhancement potential assessment is not applicable. In addition, if there was no likelihood of fish habitat in the wetlands the fish habitat assessment was not applicable.

Table 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 function 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 educational uses* 2. *Wetland has potential for educational use* 3. *Wetland 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 9. Oregon Freshwater Wetland Assessment Methodology Numerical Ranking Results for the Winston Local Wetlands Inventory

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Size (acres)
LKG-1A	2	2	2	2	2	1	2	1	1	2.28
LKG-1B	2	n/a	2	3	2	3	2	1	1	0.30
LKG-1C	2	n/a	2	3	2	3	2	1	1	0.13
LKG-1D	2	n/a	2	3	2	3	2	1	1	0.41
LKG-1E	2	n/a	2	3	2	3	2	1	1	0.35
LKG-1F	2	n/a	2	3	2	2	2	1	1	0.65
LKG-1G	2	2	2	2	2	2	2	1	1	4.87
LKG-1H	2	n/a	2	3	2	3	2	1	1	0.11
LKG-1I	2	2	2	2	2	3	2	1	1	0.26
LKG-1J	2	n/a	2	3	2	2	2	1	1	0.28
LKG-2A	2	2	2	2	2	2	3	3	2	13.84
LKG-2B	2	2	2	2	2	2	3	3	2	1.81
LKG-2C	2	n/a	2	2	2	2	3	3	2	2.11
LKG-3	2	2	1	2	2	1	3	3	1	0.14
LKG-4A	2	n/a	2	2	2	2	3	3	1	4.42
LKG-4B	2	n/a	2	2	2	2	3	3	1	0.55
LKG-5	2	n/a	3	2	2	1	3	3	3	0.98
LKG-6	2	n/a	2	2	2	2	3	3	2	0.26
LKG-7	2	n/a	2	2	2	1	3	3	1	0.28
LKG-8	2	n/a	2	2	2	2	3	3	3	0.15
LKG-9	2	2	2	2	2	1	2	2	1	8.31
LKG-10	2	1	1	1	2	1	3	3	1	0.12
SUM-1A	2	n/a	2	2	2	1	3	3	2	2.57
SUM-1B	2	n/a	2	2	2	1	3	3	2	2.07
SUM-1C	2	n/a	2	2	2	2	3	3	2	0.18
SUM-1D	2	n/a	2	2	2	1	3	3	2	1.66
SUM-1E	2	n/a	2	2	2	2	3	3	1	0.28
SUM-1F	2	n/a	2	2	2	2	3	3	2	0.13
SUM-1G	2	n/a	2	2	2	2	3	3	2	0.08
SUM-1H	2	n/a	2	2	2	2	3	3	2	0.25
SUM-1I	2	n/a	2	2	2	2	3	3	2	0.15
SUM-1J	2	n/a	2	2	2	2	3	3	2	0.08
SUM-1K	2	n/a	2	2	2	2	3	3	2	0.23
SUM-1L	2	n/a	2	2	2	2	3	3	2	0.12

Table 9, continued

Wetland Code	Wildlife Habitat	Fish Habitat	Water Quality	Hydrologic Control	Sensitivity to Impact	Enhancement Potential	Education	Recreation	Aesthetic Quality	Size (acres)
SUM-2A	2	n/a	2	2	2	1	3	3	1	1.39
SUM-2B	2	n/a	2	2	2	1	3	3	2	1.21
SUM-2C	2	n/a	2	2	2	2	3	3	2	0.16
SUM-2D	2	n/a	2	2	2	2	3	3	2	0.18
SUM-2E	2	n/a	2	2	2	2	3	3	1	0.40
SUM-3A	2	n/a	2	2	2	1	3	3	1	0.28
SUM-3B	2	n/a	2	2	2	2	3	3	1	0.02
SUM-4	2	n/a	3	3	2	3	3	3	2	0.13
SUM-5	2	2	2	2	2	3	3	3	2	0.07
SUM-6	2	n/a	2	3	2	3	3	3	1	0.80
SUM-7A	2	n/a	2	2	2	2	3	3	1	0.10
SUM-7B	2	n/a	2	2	2	2	3	3	1	0.06
SUM-8	2	n/a	2	2	2	1	3	3	1	0.12
SUM-9	2	2	2	2	2	1	2	3	2	1.98
SUM-10A	2	n/a	2	2	2	1	2	3	1	1.63
SUM-10B	2	n/a	2	2	2	1	3	3	1	0.94
SUM-10C	2	n/a	2	2	2	1	3	3	1	9.31
SUM-11	2	n/a	2	2	2	1	3	3	2	0.25

In general, all of the wetlands (100%) provided wildlife habitat for some species, but none provided diverse wildlife habitat. This was due to a lack of wetlands that had a variety of strata (trees, shrubs, herbaceous), and were adjacent, or connected to, other wetlands or surface water. This type of habitat was limited in the study area.

The majority of the wetlands (81%) were not assessed for the fish habitat function due to the lack of perennial surface water or connection to surface water. Of the 10 wetlands which were assessed for fish habitat, 1 (2%) was determined to have intact fish habitat due to perennial surface water, large woody debris, shade, and direct connection to Lookingglass Creek. This wetland is a small forested wetland connected to Lookingglass Creek (LKG-10), an essential salmonid stream. The other 9 wetlands (17%) assessed for this function were determined to be impacted or degraded.

The water quality function was assessed as impacted or degraded in many wetlands if the primary source of hydrology was groundwater and the dominant existing land use is open space or agricultural lands. The rationale is that wetlands which are groundwater-driven or surrounded by open space may not play as significant a water quality function as wetlands derived from surface water or surrounded by developed lands. Two wetlands (4%) were assessed as having their water quality function intact (LKG-10 and LKG-3) and 2 wetlands (4%) were assessed as having their water quality function lost or not present. The remaining 48 wetlands (92%) had impacted or degraded water quality. Many of these wetlands are located in the Applegate drainage and within the Wildlife Safari property. Much of the natural drainage patterns have been altered, in-stream wildlife ponds constructed, and summer flow augmented by South Umpqua River water.

Hydrologic control was generally assessed as impacted or degraded (81%), or lost or not present (17%) due to dominance of emergent vegetation, surrounding agricultural lands unrestricted outflow. One (1) of the 52 wetlands (2%) was assessed with hydrologic control function intact (LKG-10).

Recreational and educational functions were generally considered not appropriate in a majority of the wetlands due to the lack of public access and safety concerns associated with public access and handicap access. In addition, the aesthetic quality of many of the wetlands was impaired by the presence or noise of major roads and the lack of vegetation diversity.

8.0 SIGNIFICANT WETLANDS DETERMINATION

8.1 Locally Significant Wetlands Criteria

On September 1, 1996, the Land Conservation and Development Commission adopted a revised Statewide Planning Goal 5. Goal 5 is the planning goal for natural resources, scenic and historic areas, and open spaces. Its purpose is to "protect natural resources, and conserve scenic and historic areas and open spaces". The goal requires local jurisdictions to inventory the natural resources covered under the goal, determine the significance of these resources, and develop plans to achieve the goal. In other words, local jurisdictions must adopt land use ordinances regulating development in and around significant areas.

Local jurisdictions determining significant wetlands must use the criteria recently adopted by the Oregon Division of State Lands (ORS 197.279(3)(b)). This criteria identifies Locally Significant Wetlands. The significance criteria is divided into three sections, as described in Table 10.

Table 10. Criteria for Determining Goal 5 Locally Significant Wetlands

***Exclusions*: A wetland cannot be designated as significant if the answer to any Of the criteria below is "Yes".**
1 Is this wetland artificially created entirely from upland and: **a.** created for the purpose of controlling, storing, or maintaining storm water **b.** is used for active surface mining or as a log pond **c.** is a ditch without a free and open connection to natural waters of the state **d.** is less than 1 acre and created unintentionally from irrigation or construction **e.** created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard **2** Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)
***Mandatory Locally Significant Wetland Criteria*: A wetland is locally significant if "Yes" is the answer to any of the criteria below.**
1 Does the wetland provide *diverse wildlife habitat*? **2** Is the wetland's *fish habitat function intact*? **3** Is the wetland's *water quality function intact*? **4** Is the wetland's *hydrologic control function intact*? **5** Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*? **6** Does the wetland contain a rare plant community? **7** Is the wetland inhabited by any species listed federally as threatened or Endangered, or state listed as sensitive, threatened or endangered? **8** Does the wetland have a direct surface water connection to a stream segment Mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?
***Optional Locally Significant Wetland Criteria*: local governments may Identify a wetland as significant if "Yes" is the answer to the criteria below**
1 Does the wetland represent a locally unique native plant community and Provides *diverse wildlife habitat or habitat for some species* or Has a *intact, or impacted or degraded fish habitat function* or Has a *intact, or impacted or degraded water quality function* or Has a *intact, or impacted or degraded hydrologic control function.* **2** Is the wetland publicly owned and used by a school or organization and Does the wetland provide *educational uses*?

8.2 Applying Significant Wetland Criteria to the LWI Study Area

The locally significant wetlands criteria were applied to the 52 wetlands within the study area. Twenty-nine (29) wetlands satisfied the criteria for significant wetlands. The majority of these met the criteria due to Criteria #5 which is related to distance to a 303(d) listed stream. The results of applying the criteria are included in Appendix E and are summarized in Table 11.

Table 11. Locally Significant Wetlands (LSW) in the Winston LWI

LKG-1A	LKG-1F	LKG-2A	LKG-4B	SUM-1L	SUM-3A
LKG-1B	LKG-1G	LKG-2B	LKG-6	SUM-2A	SUM-3B
LKG-1C	LKG-1H	LKG-2C	LKG-7	SUM-2B	SUM-5
LKG-1D	LKG-1I	LKG-3	LKG-8	SUM-2C	SUM-6
LKG-1E	LKG-1J	LKG-4A	LKG-10	SUM-2D	

Therefore, based on the criteria 29 of the 52 wetlands (54%) were determined to be significant: 20 in the Lookingglass Creek watershed and 9 in the South Umpqua watershed. The majority of the wetlands that met the criteria for significance were within ¼ mile of a 303(d) listed stream and had impacted or degraded water quality function. In addition, 3 met the criteria for a surface water connection to Lookingglass Creek or the South Umpqua River, Essential Salmonid Habitat streams. Although other wetlands within the study area are valuable for some functions, they do not satisfy the mandatory significant wetlands criteria.

9.0 PROJECT SUMMARY

- The City of Winston hired Pacific Habitat Services, Inc. (PHS) to conduct a Local Wetlands Inventory (LWI) for areas within the City's Urban Growth Boundary.
- The project area is approximately 2,989- acres, including portions of two watersheds; Lookingglass Creek and South Umpqua River. Applegate Creek is within the Lookingglass Creek watershed and Brockway Creek is within the South Umpqua River watershed.
- Field work was conducted between September 2001 and May 2002. Each wetland unit was assigned an unique code based on the watershed. A wetland characterization and wetland assessment was completed for each wetland unit. The wetland assessment was based on the *Oregon Freshwater Wetland Assessment Methodology.*
- In addition to the determination and wetland assessment, Locally Significant Wetlands were identified based on Oregon Administrative Rules.
- Lookingglass Creek and the South Umpqua River are Essential Salmonid Habitat streams, according to ODFW and DSL.
- Applegate Creek, Lookingglass Creek, and the South Umpqua River are all listed as water quality limited on the Oregon Department of Environmental Quality 303(d) list (ODEQ, 1998). Applegate Creek is listed for temperature; Lookingglass Creek is listed for flow modification; and the South Umpqua River is listed for temperature, bacteria, biological criteria, pH and aquatic weeds or algae.
- A total of 52 wetland units were identified in the project area, with a combined acreage of approximately 69.44 acres.
- Most of the wetlands can be classified as palustrine emergent (82%), followed by palustrine forested (12%), open water (5%) and palustrine scrub-shrub (1%).
- One (1) wetland met the criteria for "wetlands of special interest for protection".
- Twenty-nine (29) of the 52 wetlands met the criteria for Locally Significant Wetlands, primarily for being within ¼ mile of a DEQ 303(d) listed stream.
- There were no potential mitigation sites within the Winston LWI.

10.0 REFERENCES

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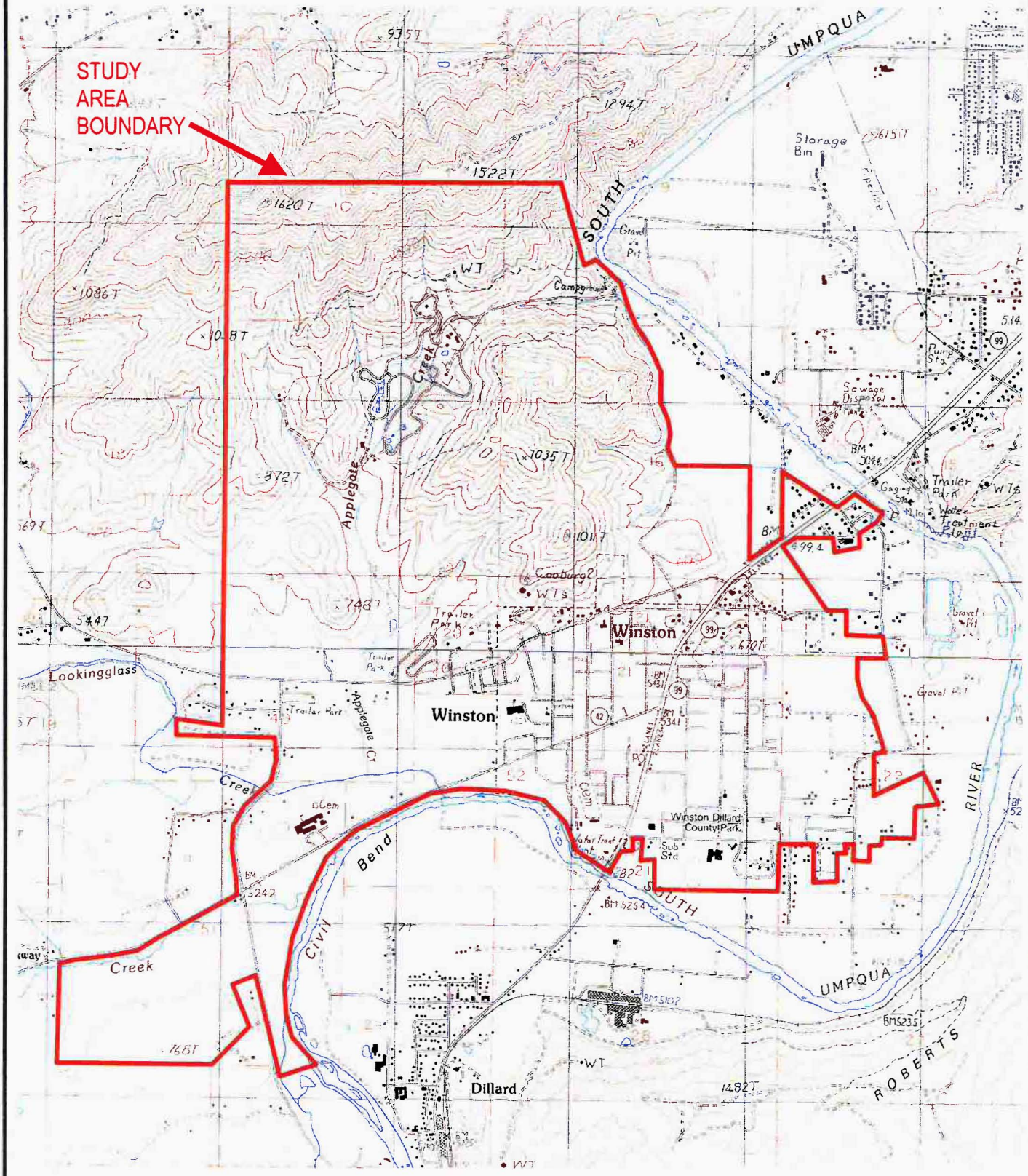
U.S.F.W.S. *National Wetlands Inventory* map, *Roseburg West* Oregon quadrangle. Color infrared aerial photography in July, 1982; 1:58,000 and *Roseburg* quadrangle, 1:62,500.

U.S. Geological Survey. Provisional Edition 1987. *Winston and Roseburg West,* Oregon topographical quadrangle, 1:24,000.

Appendix A

Figures



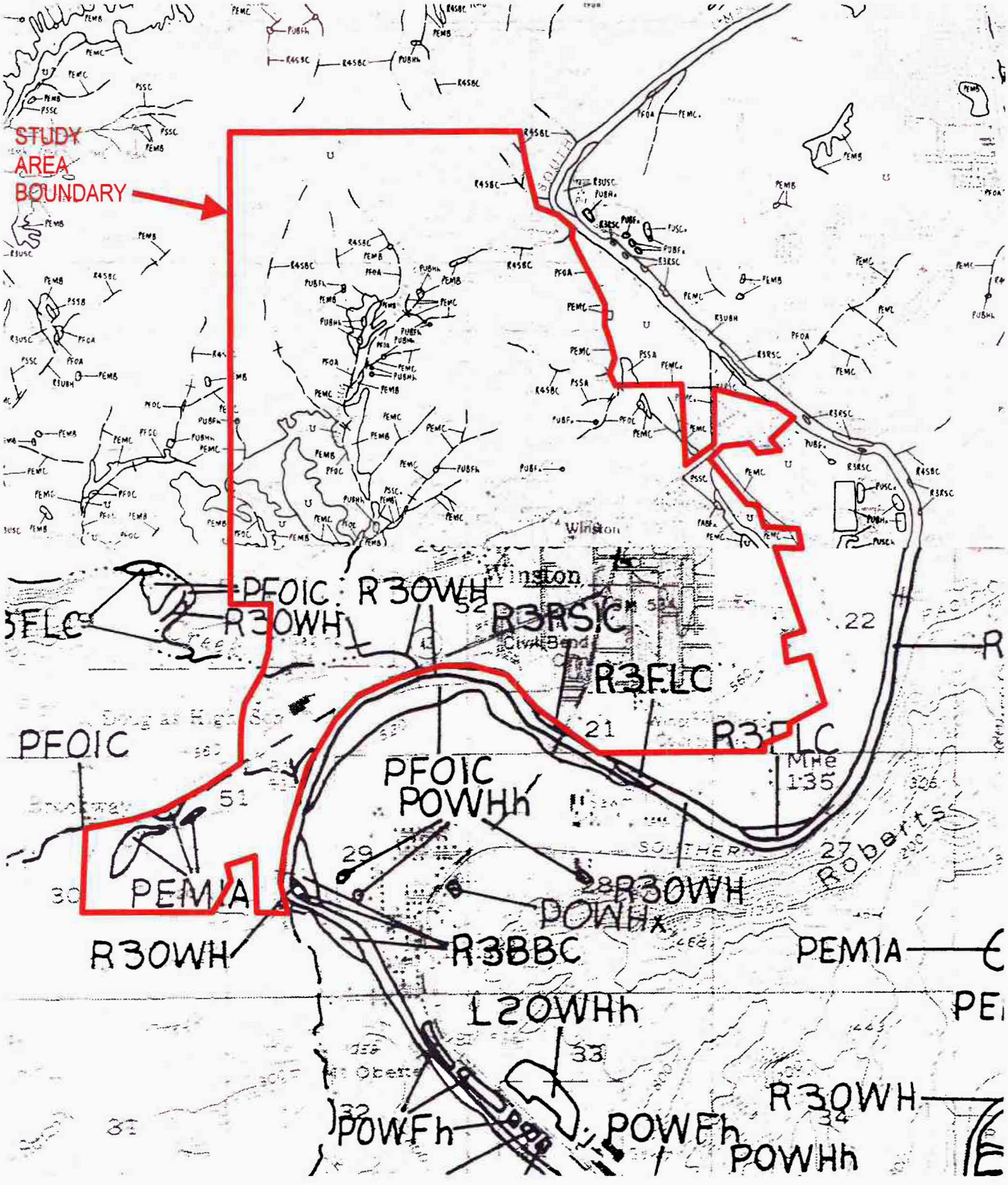


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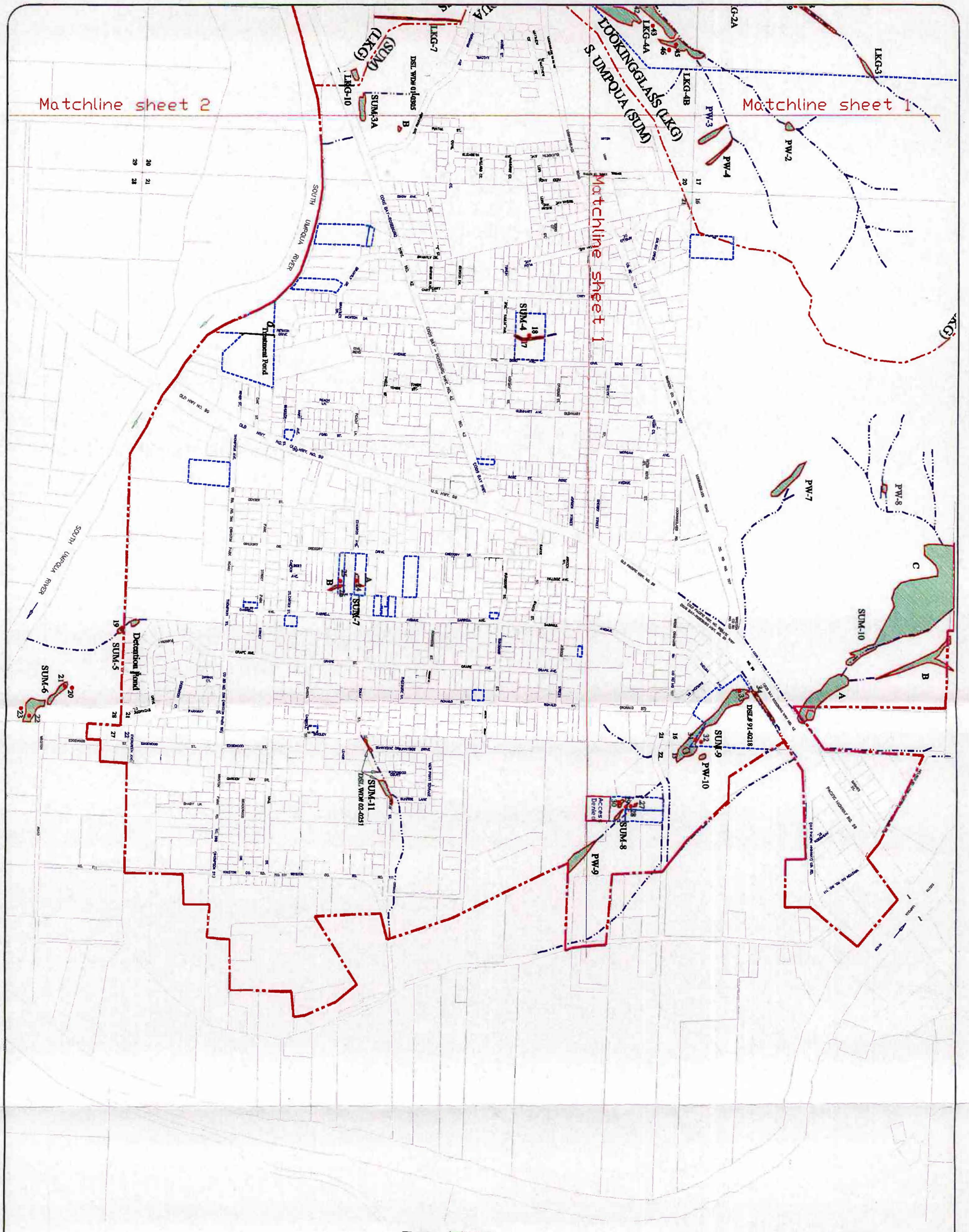
Location and general topography for the Winston Local Wetlands Inventory (USGS, Winston, Oregon and Roseburg West, Oregon quadrangles, Provisional Editions, 1987).

FIGURE
1



National Wetlands Inventory information for the Winston Local Wetlands Inventory (USFWS, Roseburg West, Oregon quadrangle, 1999 and Roseburg, Oregon quadrangle).

FIGURE 3



Watershed Boundary		On-Site Determination	
Project Boundary/UGB		Access Denied	ACCESS DENIED
Potentially Jurisdictional Creeks/drainages		Potentially Jurisdictional Wetland	
Sample Point	58	Potentially Jurisdictional Other Waters	
Wetland Code	LKG-1	Probable Wetland (off-site)	PW

GRAPHIC SCALE

400 0 200 400 800 1600

Scale in Feet

Funding for this project was provided by a grant from the Oregon Division of State Lands, Wetlands Planning Assistance grant program. This grant program is supported by a grant from the U.S. Environmental Protection Agency under authority of the Clean Water Act.

THIS MAP IS FOR PLANNING PURPOSES ONLY
WETLAND BOUNDARIES ARE APPROXIMATE
AND SUBJECT TO CHANGE

This map has NOT been approved by the wetland regulatory agencies for permitting purposes. You are advised to contact the Oregon Division of State Lands and the U.S. Army Corps of Engineers with any regulatory questions. There may be additional wetlands within the study area that have not been identified. All wetlands, whether mapped or not, are subject to Federal and State permit requirements. There may also be areas of non-wetland within areas identified as wetlands on this map. In all cases, Federal and State agencies will use actual field conditions, rather than this map, to determine wetland boundaries.

DATE: August, 2002

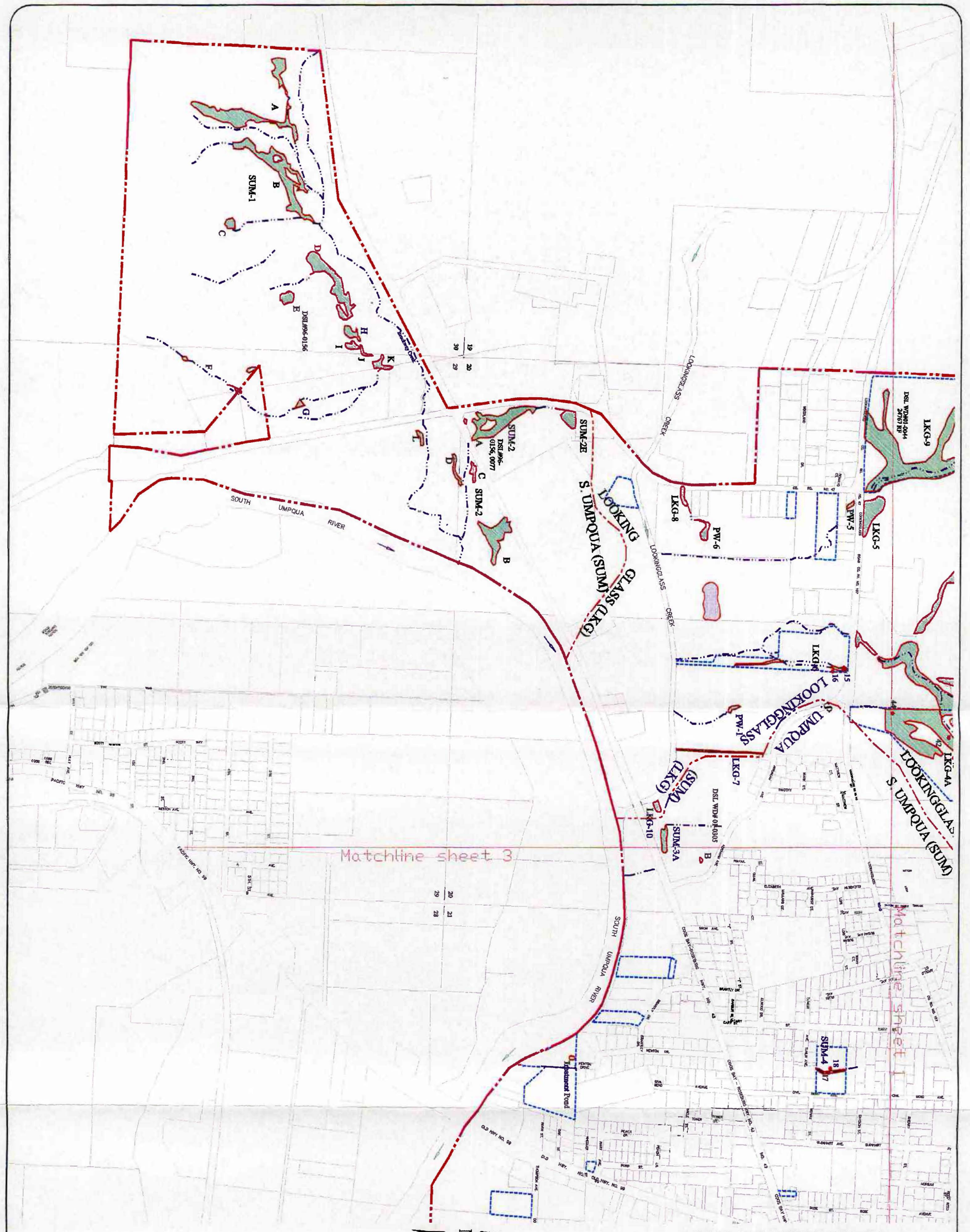
BASE MAP INFO: Supplied by City of Winston, Umpqua/Rogue Council of Govt. and Douglas County

JOB NO.: 2379

Winston
Local Wetlands Inventory

Pacific Habitat Services, Inc.
9450 SW Commerce Circle, Suite 180
Wilsonville, Oregon 97070
Phone: (503) 570-0800

Figure: 4C



Watershed Boundary
Project Boundary/UGB
Potentially Jurisdictional Creeks/drainages
Sample Point 56
Wetland Code LKG-1
On-Site Determination
Access Denied
Potentially Jurisdictional Wetland
Potentially Jurisdictional Other Waters
Probable Wetland (off-site) PW

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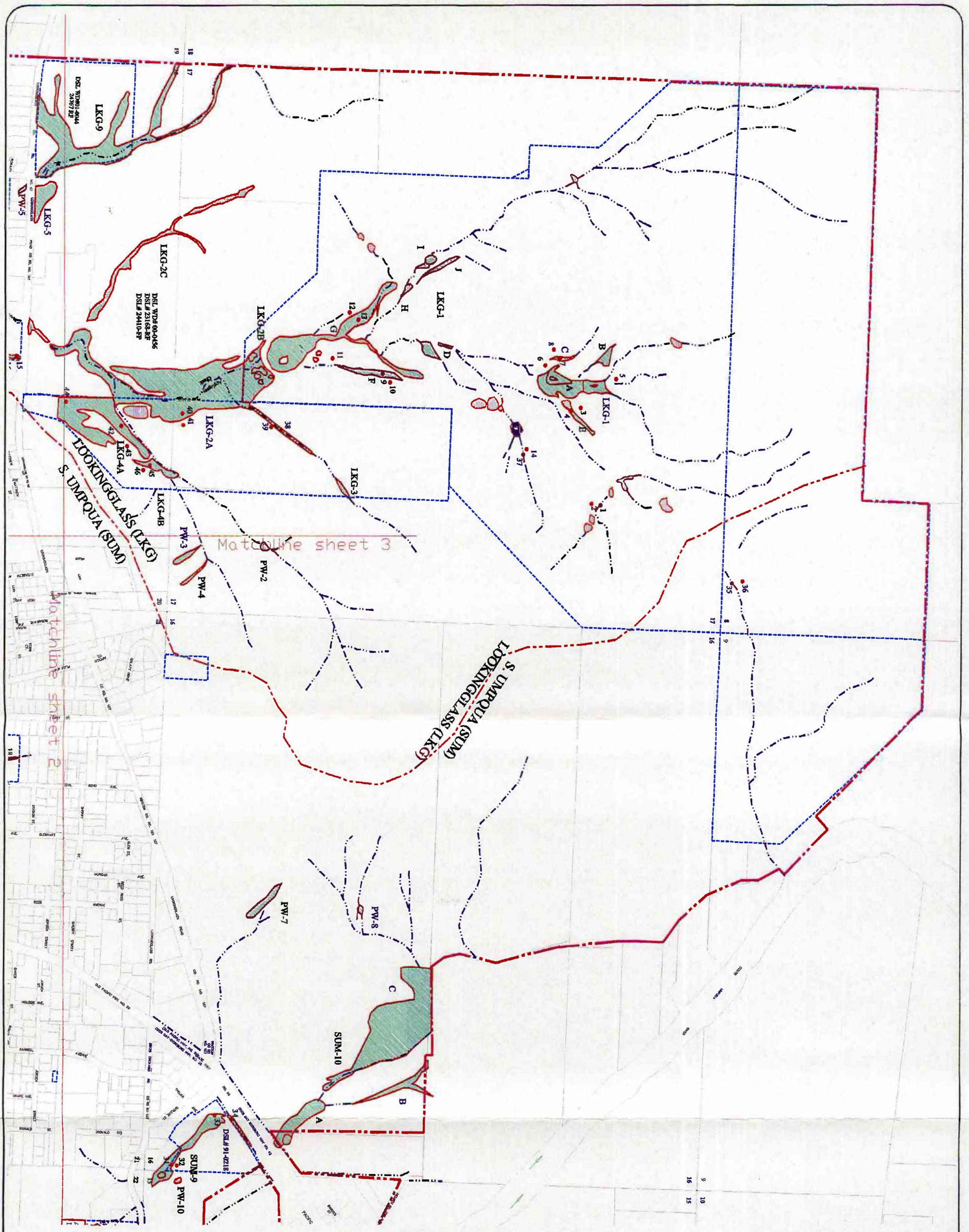
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DATE: August, 2002
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Winston
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Figure: 4B



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DATE: August, 2002

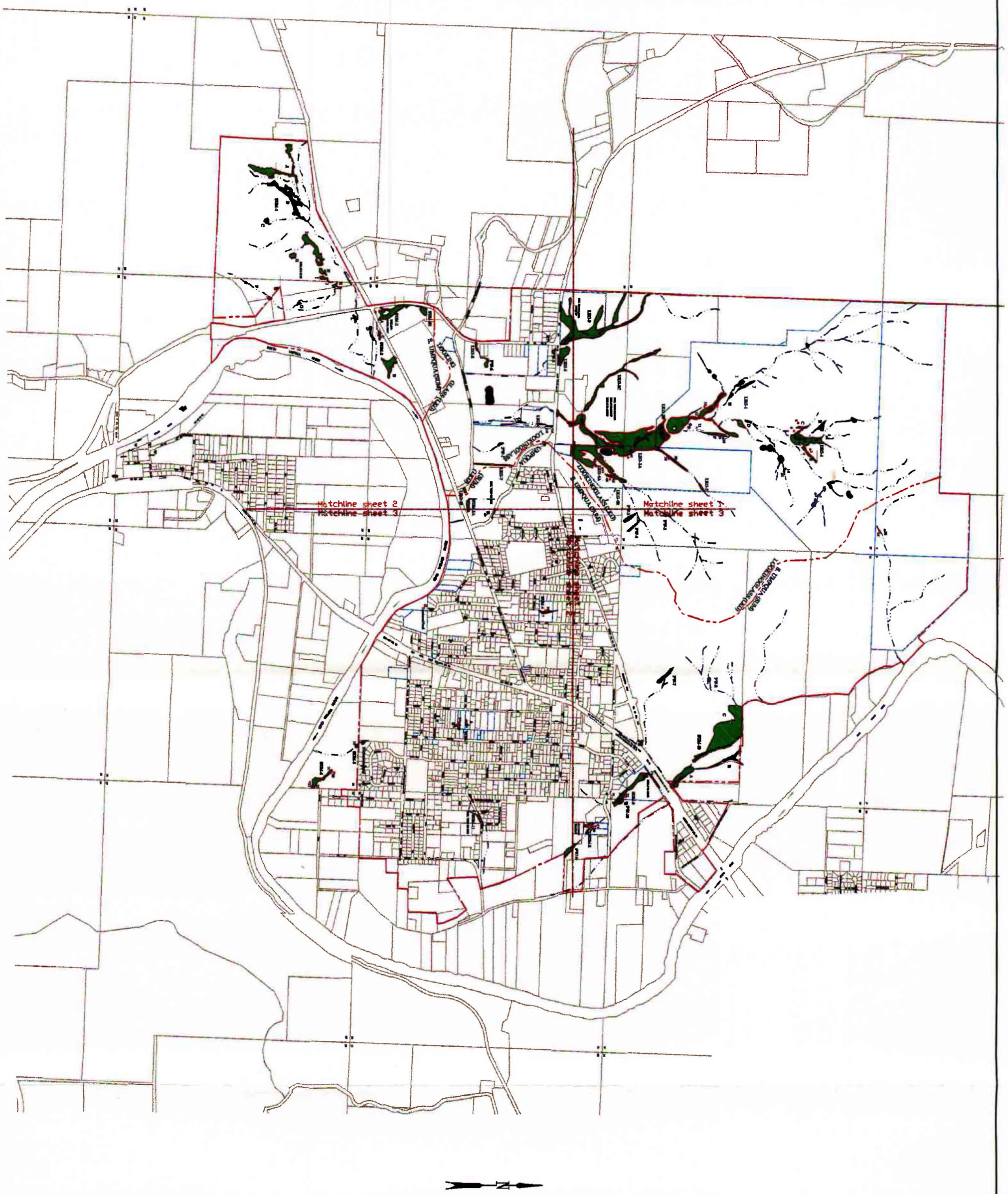
BASE MAP INFO: Supplied by City of Winston,
: Umpqua/Rogue Council of Govt.
: and Douglas County

JOB NO.: 2379

Winston
Local Wetlands Inventory

Pacific Habitat Services, Inc.
9450 SW Commerce Circle, Suite 180
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Phone: (503) 570-0800

Figure: 4A



Watershed Boundary
Project Boundary/UGB
Potentially Jurisdictional Creeks/drainages
Sample Point 68
Wetland Code LKG-1
On-Site Determination
Access Denied
Potentially Jurisdictional Wetland
Potentially Jurisdictional Other Waters
Probable Wetland (off-site) PW

GRAPHIC SCALE

0 400 800 1600 2400

Scale in Feet

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DATE: August, 2002

BASE MAP INFO: Supplied by City of Winston,
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JOB NO.: 2379

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Local Wetlands Inventory

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Phone: (503) 570-0800

Reference Sheet:

- 8F=Atring gravelyy loam, 30-60% slopes
- 14C=Banning loam, 3-12% slopes
- 34A=Camas-Newberg complex, 0-3% slopes
- 37A=Chapman-Chehalis complex, 0-3% slopes
- 41E=Climax clay, 12-30% slopes
- 42B=Coburg silty clay loam, 0-5% slopes
- 43A=Coburg silty clay loam, flooded, 0-3% slopes
- 44A=Conser silty clay loam, 0-3% slopes
- 48C=Curtin clay, 3-12% slopes
- 48D=Curtin clay, 12-20% slopes
- 54E=Dickerson-Rock outcrop complex, 3-30% slopes
- 62F=Dixonville silty clay loam, 30-60% slopes
- 75C=Dupee silty clay loam, 3-12% slopes
- 78A=Evans loam, 0-3 % slopes
- 81A=Foehlin gravelly loam, 0-3% slopes
- 115E=Joesphine gravelly loam, 12-20% slopes
- 149E=McMullin-Reston complex, 3-30% slopes
- 149F=McMullin-Reston complex, 30-75% slopes
- 164A=Newberg fine sandy loam, 0-3% slopes
- 166C=Nonpareil loam, 3-12% slopes
- 166E=Nonpareil loam, 12-30% slopes
- 169F=Nonpareil-Oakland complex, 30-60% slopes
- 170E=Oakland silt loam, 20-30% slopes
- 173E=Oakland-Dupee complex, 12-30% slopes
- 188D=Pengra silt loam, 2-20% slopes
- 188E=Pengra silt loam, 20-30% slopes
- 189E=Philomath-Dixonville complex, 3-30% slopes
- 190F=Philomath-Edenbower complex, 30-60% slopes
- 214A=Roseburg loam, 0-3% slopes
- 225D=Speaker loam, 2-20% slopes
- 225E=Speaker loam, 20-30% slopes
- 230E=Speaker-Nonpareil complex, 30-60% slopes
- 234C=Stockel fine sandy loam, 3-12% slopes
- 235C=Sutherlin silt loam, 3-12% slopes
- 235D=Sutherlin silt loam, 12-20% slopes
- 255C=Veneta loam, 0-12% slopes
- 255D=Veneta loam, 12-20% slopes
- 257A=Waldo silty clay loam, 0-3% slopes
- WATER



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Pacific Habitat Services,Inc.
9450 SW Commerce Circle, Suite 180
Wilsonville, Oregon 97070
Phone: (503) 570-0800

PHS

Figure 2

Winston Soils Map

DATE: August, 2002

BASE MAP INFO: Supplied by City of Winston, : Umpqua/Rogue Council of Govt. : and Douglas County

JOB NO.: 2379

Funding for this project was provided by a grant from the Oregon Division of State Lands. This grant program is supported by a grant from the U.S. Environmental Protection Agency under authority of the Clean Water Act.

Appendix B

Wetland Characterization Sheets



Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1A
Date(s) of field work:	2/5/02	Size (acres):	2.28
Data Sheet Numbers:	5, 6	Cowardin Class(es):	POWx, PEM
Investigator(s):	PF, JVS	HGM Class(es):	DCP/FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Juncus effusus	Soft Rush
		Poa annua	Annual Bluegrass
		Juncus patens	Spreading Rush
		Agrostis tenuis	Colonial Bentgrass

Comments: **Locally Significant Wetland**

Wildlife Safari. Includes wet pasture and an excavated pond on Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG-1B, 1C and 1D by surface water and groundwater. Pond and wetlands are accessible to animals and buffer is heavily grazed. Hydrology to ponds is augmented in summer by water pumped from South Umpqua River.

Adjacent Upland Vegetation: Mown/grazed grasses, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1B
Date(s) of field work:	2/5/02	Size (acres):	0.30
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	HS/SF

Location -- Legal:	**T. 28S, R. 6W, Section 17**
Other:	**Wildlife Safari**
Tax Lots:	**100**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Curtin clay, 3-12% slopes**
Hydrologic Source:	**Groundwater**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Agrostis tenuis	Colonial Bentgrass
		Juncus effusus	Soft Rush
		Trifolium repens	White Clover

Comments: **Locally Significant Wetland**

Wildlife Safari. Seasonally saturated slope hydrologically connected by groundwater and seasonal surface water to LKG-1A. Heavily grazed and unshaded.

Adjacent Upland Vegetation: Bromus mollis, Festuca arundinacea, Geranium molle

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1C
Date(s) of field work:	2/5/02	Size (acres):	0.13
Data Sheet Numbers:	7, 8	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	HS/FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Juncus effusus	Soft Rush
		Mentha pulegium	Penny-Royal
		Agrostis tenuis	Colonial Bentgrass
		Trifolium repens	White Clover

Comments: **Locally Significant Wetland**

Wildlife Safari. Seasonally saturated slope within 1/4 mile of Applegate Creek. Hydrologically connected to LKG 1A by seasonal surface water and groundwater. Wetland is heavily grazed, trampled, and unshaded.

Adjacent Upland Vegetation: Mown/grazed grasses, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1D
Date(s) of field work:	2/5/02	Size (acres):	0.41
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	RI

Location -- Legal:	**T. 28S, R. 6W, Section 17**
Other:	**Wildlife Safari**
Tax Lots:	**100**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Curtin clay, 3-12% slopes**
Hydrologic Source:	**Surface water, groundwater**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Holcus lanatus	Common Velvet Grass
		Mentha pulegium	Penny-Royal
		Poa annua	Annual Bluegrass
		Dipsacus sylvestris	Teasel

Comments: **Locally Significant Wetland**

Wildlife Safari. Wetland located at confluence of two branches of Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG-1G by surface water and groundwater. Accessible to animals and buffer is heavily grazed and trampled. Hydrology is augmented in summer by water pumped from South Umpqua River.

Adjacent Upland Vegetation: Mown/grazed grass, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1E
Date(s) of field work:	2/5/02	Size (acres):	0.35
Data Sheet Numbers:	3, 4	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	HS/FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Conser silty clay loam, 0-3 % slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Agrostis tenuis	Colonial Bentgrass
		Trifolium repens	White Clover
		Juncus effusus	Soft Rush
		Poa annua	Annual Bluegrass
		Juncus patens	Spreading Rush

Comments: **Locally Significant Wetland**

Wildlife Safari. Small wet pasture adjacent to branch of Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG-1A by groundwater and seasonal surface waters. Wetland is heavily grazed, unshaded and accessible to safari animals.

Adjacent Upland Vegetation: Mown/grazed grasses, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1F
Date(s) of field work:	2/5/02	Size (acres):	0.65
Data Sheet Numbers:	9, 10, 11	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS/FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Mentha pulegium	Penny-Royal
		Trifolium repens	White Clover
		Juncus effusus	Soft Rush
		Holcus lanatus	Common Velvet Grass
		Juncus patens	Spreading Rush
		Alopecurus pratensis	Meadow Foxtail
		Poa annua	Annual Bluegrass

Comments: **Locally Significant Wetland**

Wildlife Safari. Small wet pasture/seep area adjacent to branch of Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG- 1G by groundwater and seasonal surface waters. Wetland is heavily grazed, unshaded and accessible to safari animals.

Adjacent Upland Vegetation: Mown/grazed grass, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1G
Date(s) of field work:	2/5/02	Size (acres):	4.87
Data Sheet Numbers:	12, 13	Cowardin Class(es):	PEM, POWx, PFO
Investigator(s):	PF, JVS	HGM Class(es):	VS/FL/DCP

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Agrostis tenuis*	Colonial Bentgrass
		Trifolium repens	White Clover
		Juncus effusus	Soft Rush
		Poa annua	Annual Bluegrass
		Juncus patens	Spreading Rush

Comments: **Locally Significant Wetland**

Wildlife Safari. Small wet pasture/seep area, and excavated pond along Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG-1F, 1H and 2B by groundwater and seasonal surface waters. Wetland is heavily grazed and accessible to safari animals.

Adjacent Upland Vegetation: Mown/grazed grass, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1H
Date(s) of field work:	2/5/02	Size (acres):	0.11
Data Sheet Numbers:	N/A	Cowardin Class(es):	PFO
Investigator(s):	PF, JVS	HGM Class(es):	FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Agrostis tenuis*	Colonial Bentgrass
		Trifolium repens	White Clover
		Juncus effusus	Soft Rush
		Mentha pulegium	Penny-Royal

Comments: **Locally Significant Wetland**

Wildlife Safari. Hillside seepage adjacent to branch of Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG-1J and LKG-1G by groundwater and seasonal surface waters. Wetland is heavily grazed and accessible to safari animals.

Adjacent Upland Vegetation: Mown/grazed grass, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1I
Date(s) of field work:	2/5/02	Size (acres):	0.26
Data Sheet Numbers:	N/A	Cowardin Class(es):	POWx, PEM
Investigator(s):	PF, JVS	HGM Class(es):	DCP, FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Agrostis tenuis	Colonial Bentgrass
		Trifolium repens	White Clover
		Juncus effusus	Soft Rush
		Mentha pulegium	Penny-Royal

Comments: **Locally Significant Wetland**

Wildlife Safari. Small excavated pond and hillside seepage adjacent to branch of Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG-1H by groundwater and surface waters. Wetland is heavily grazed and accessible to safari animals. Eventually drains to open pond in LKG-1G.

Adjacent Upland Vegetation: Mown/grazed grass, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-1J
Date(s) of field work:	2/5/02	Size (acres):	0.28
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS/FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Curtin clay, 3-12% slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Mentha pulegium	Penny-Royal
		Trifolium repens	White Clover
		Juncus effusus	Soft Rush
		Holcus lanatus	Common Velvet Grass
		Juncus patens	Spreading Rush
		Alopecurus pratensis	Meadow Foxtail
		Poa annua	Annual Bluegrass

Comments: **Locally Significant Wetland**

Wildlife Safari. Small wet seep area adjacent to branch of Applegate Creek, a tributary of Lookingglass Creek. Hydrologically connected to LKG- 1H by groundwater and seasonal surface waters. Wetland is heavily grazed and accessible to safari animals.

Adjacent Upland Vegetation: Mown/grazed grass, Geranium molle, Lolium multiflorum

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-2A
Date(s) of field work:	5/2/02	Size (acres):	13.84
Data Sheet Numbers:	38, 39, 40, 41	Cowardin Class(es):	PEM, PFO
Investigator(s):	PF, JVS	HGM Class(es):	VS/FL

Location -- Legal:	T. 28S, R. 6W, Section 17, 20
Other:	Applegate Creek south of Wildlife Safari
Tax Lots:	200, 300 (S. 17); 402 (S. 20)
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Pengra silt loam, 2-20% slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Juncus patens	Spreading Rush
		Mentha arvensis	Field Mint
		Alopecurus pratensis	Meadow Foxtail
		Poa annua	Annual Bluegrass
		Carex densa	Dense Sedge
VINES / HERBS		*Myosotis discolor*	Yellow and Blue Forget-Me-Not
Camassia quamash	Common Camas	*Juncus tenuis*	Slender Rush
Sisyrinchium angustifolium	Pointed Blue-Eye-Grass	*Dipsacus sylvestris*	Teasel
Anagallis arvensis	Scarlet Pimpernel	*Carex unilateralis*	One-Side Sedge
Vulpia myuros	Rat-Tail Fescue	*Alopecurus geniculatus*	Water Foxtail

Comments: **Locally Significant Wetland**

Palustrine emergent and forested wetland on east and west sides of Applegate Creek . Mostly pasture on east side, with un-named tributary to Applegate Creek. West side has been partially disturbed in southern end (DSL WD#00-0456, #23168-RF, #24410-FP). Hydrologically connected to creek and to wetland LKG-2B and 2C by surface water and groundwater. Adjacent land use is agriculture with vineyard and pasture.

Adjacent Upland Vegetation: Festuca arundinacea, Bromus mollis, Daucus carota, Vicia sativa, Geranium molle, Cirsium arvense, Vicia gigantea, Zigadenus sp.

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-2B
Date(s) of field work:	5/2/02	Size (acres):	1.81
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM, POWx
Investigator(s):	PF, JVS	HGM Class(es):	VS/FL

Location -- Legal:	T. 28S, R. 6W, Section 17
Other:	Applegate Creek south of Wildlife Safari
Tax Lots:	100
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Pengra silt loam, 2-20% slopes
Hydrologic Source:	Surface water, groundwater

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Solanum dulcamara*	Bittersweet Nightshade
Populus trichocarpa	Black Cottonwood	*Juncus patens*	Spreading Rush
		Dipsacus sylvestris	Teasel
		Carex densa	Dense Sedge
		Alopecurus pratensis	Meadow Foxtail

Comments: **Locally Significant Wetland**

Wetland of Special Interest for Protection. Mitigation wetland at south end of Wildlife Safari property protected by a conservation easement. Series of excavated ponds. Hydrologically connected to LKG-2A by groundwater and surface water.

Adjacent Upland Vegetation: Cirsium arvense, Bromus mollis, Daucus carota, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-2C
Date(s) of field work:	5/2/02	Size (acres):	2.11
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS

Location -- Legal:	**T. 28S, R. 6W, Section 17, 20**
Other:	**Applegate Creek south of Wildlife Safari**
Tax Lots:	**200, 202 (S. 17); 403 (S. 20)**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Pengra silt loam, 2-20% slopes**
Hydrologic Source:	**Surface water, groundwater**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Alopecurus pratensis	Meadow Foxtail
		Juncus tenuis	Slender Rush
		Holcus lanatus	Common Velvet Grass
		Dipsacus sylvestris	Teasel

Comments: **Locally Significant Wetland**

OFF-SITE. Disturbed drainage, tributary to Applegate Creek. Hydrologically connected to LKG-2A by seasonal surface water. DSL WD #00-0456, 23168-RF and 24410-FP.

Adjacent Upland Vegetation: Festuca arundinacea, Cirsium arvense, Bromus mollis

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-3
Date(s) of field work:	5/2/02	Size (acres):	0.14
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS

Location -- Legal:	**T. 28S, R. 6W, Section 17**
Other:	**Drainage to Applegate Creek**
Tax Lots:	**300**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Pengra silt loam, 2-20% slopes**
Hydrologic Source:	**Surface water**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Solanum dulcamara	Bittersweet Nightshade
		Juncus effusus	Soft Rush
		Juncus patens	Spreading Rush
		Carex densa	Dense Sedge
		Camassia quamash	Common Camas

Comments: **Locally Significant Wetland**

Small wetland on intermittent tributary to Applegate Creek. Hydrologically connected to LKG-2A by seasonal surface water.

Adjacent Upland Vegetation: Bromus mollis, Festuca arundinacea, Geranium molle, Rhus diversiloba, Quercus garryana

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-4A
Date(s) of field work:	5/2/02	Size (acres):	4.42
Data Sheet Numbers:	42,43, 44	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	FL

Location -- Legal:	T. 28S, R. 6W, Section 20
Other:	East side of Applegate Creek, south of "Blackberry Creek"
Tax Lots:	300
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Pengra silt loam, 2-20% slopes
Hydrologic Source:	Groundwater, precipitation

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Juncus acuminatus	Taper-Tip Rush
		Lotus corniculatus	Birds-Foot Trefoil
		Mentha arvensis	Field Mint
		Juncus tenuis	Slender Rush
		Vulpia myuros	Rat-Tail Fescue

Comments: **Locally Significant Wetland**

Wet pasture on east side of Applegate Creek and south of "Blackberry Creek". Seasonal saturation/inundation. Hydrologically connected to LKG-4B by groundwater and LKG-2A by creek.

Adjacent Upland Vegetation: Daucus carota, Trifolium dubium, Bromus mollis, Bellis perennis

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-4B
Date(s) of field work:	5/2/02	Size (acres):	0.55
Data Sheet Numbers:	45, 46	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	FL

Location -- Legal:	T. 28S, R. 6W, Section 20
Other:	East side of Applegate Creek, south of "Blackberry Creek"
Tax Lots:	300
Hydrologic basin:	Lookingglass Creek
Soil -- Mapped series:	Pengra silt loam, 2-20% slopes
Hydrologic Source:	Groundwater, precipitation

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Carex densa	Dense Sedge
		Agrostis stolonifera	Spreading Bentgrass
		Vulpia myuros	Rat-Tail Fescue
		Mentha pulegium	Penny-Royal
		Juncus effusus	Soft Rush
		Alopecurus pratensis	Meadow Foxtail
		Rumex crispus	Curly Dock
		Myosotis discolor	Yellow and Blue Forget-Me-Not

Comments: **Locally Significant Wetland**

Wet pasture slope on hill to south of "Blackberry Creek". Hydrologically connected to LKG-4A by groundwater.

Adjacent Upland Vegetation: Daucus carota, Bellis perennis, Trifolium dubium, Bromus mollis, Festuca arundinacea

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanen	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-5
Date(s) of field work:	OFF-SITE	Size (acres):	0.98
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Lookingglass Road**
Tax Lots:	**403**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Conser silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Holcus lanatus	Common Velvet Grass
		Dipsacus sylvestris	Teasel
		Agrostis tenuis	Colonial Bentgrass

Comments:

OFF-SITE. Isolated disturbed wetland adjacent to Lookingglass Road. Possibly hydrologically connected to LKG-9 by groundwater.

Adjacent Upland Vegetation: Festuca arundinacea, Cirsium arvense

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-6
Date(s) of field work:	9/12/01	Size (acres):	0.26
Data Sheet Numbers:	15, 16	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**South of Lookingglass Road**
Tax Lots:	**1100**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Conser silty clay loam, 0-3% slopes**
Hydrologic Source:	**Precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Alopecurus pratensis	Meadow Foxtail
		Agrostis tenuis	Colonial Bentgrass
		Holcus lanatus	Common Velvet Grass

Comments: **Locally Significant Wetland**

Small depressional areas in grazed field on east side of Applegate Creek. May have seasonal surface water connection to creek, but no fish habitat potential.

Adjacent Upland Vegetation: Mown grasses, Festuca arundinacea, Taraxacum officinale, Anthoxanthum odoratum, Hypochaeris radicata

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-7
Date(s) of field work:	OFF-SITE	Size (acres):	0.28
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	DCNP

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Highway 42, south of Abraham Avenue**
Tax Lots:	**1405**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Holcus lanatus	**Common Velvet Grass**
		Juncus effusus	**Soft Rush**
		Alopecurus pratensis	**Meadow Foxtail**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**

Comments: **Locally Significant Wetland**

OFF-SITE. Wet swale drains south to Lookingglass Creek. DSL WD#01-0305. Upslope areas are currently being developed for residential. Within 1/4 mile of Applegate Creek and Lookingglass Creek, both 303(d) listed streams for temperature and flow modification. It also drains to an Essential Salmonid Habitat stream.

Adjacent Upland Vegetation: Festuca arundinacea, Poa spp., Taraxacum officinale, Plantago major, Agropyron repens

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**LKG-8**
Date(s) of field work:	**OFF-SITE**	Size (acres):	**0.15**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PFO**
Investigator(s):	**PF, CR**	HGM Class(es):	**DCNP**

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**East of Brockway Road, north of Lookingglass Creek**
Tax Lots:	**800**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Coburg silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, surface water**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	**Oregon Ash**	***Solanum dulcamara***	**Bittersweet Nightshade**
Populus trichocarpa	**Black Cottonwood**		

Comments: **Locally Significant Wetland**

OFF-SITE. Depressional area on east side of Brockway Road. Seasonal inundation. Drains via culvert to west and Lookingglass Creek.

Adjacent Upland Vegetation: Festuca arundinacea, Rubus discolor, Cirsium arvense

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	LKG-9
Date(s) of field work:	9/12/01	Size (acres):	8.31
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM, PFO
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 17, 20**
Other:	**North of Lookingglass Road**
Tax Lots:	**202 (S. 17); 401, 403, (S. 20)**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Pengra silt loam, 2-20% slopes**
Hydrologic Source:	**Groundwater, surface water**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Agrostis tenuis*	Colonial Bentgrass
		Dipsacus sylvestris	Teasel
		Juncus patens	Spreading Rush
		Mentha pulegium	Penny-Royal

Comments:

School property with tributary of Lookingglass Creek and palustrine emergent wetland. DSL WD#01-0044, 24767-RF. Intermittent creek drains south, culverted under Lookingglass Road. Hydrologically connected to PW-5 and creek channel by seasonal surface water. Creek south of Lookingglass Road had been excavated and channelized along edge of property line.

Adjacent Upland Vegetation: Dactylis glomerata, Galium aparine, Festuca arundinacea

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**LKG-10**
Date(s) of field work:	**OFF-SITE**	Size (acres):	**0.12**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PFO**
Investigator(s):	**PF, CR**	HGM Class(es):	**RI**

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Highway 42, west of Abraham Avenue**
Tax Lots:	**1405**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	**Oregon Ash**		

Comments: **Locally Significant Wetland**

OFF-SITE. Small forested area adjacent to Lookingglass Creek on north side of Highway 42. Appears to be directly connected to Lookingglass Creek, an Essential Salmonid Habitat stream. DSL WD# 01-0305.

Adjacent Upland Vegetation: Festuca arundinacea, Poa spp., Taraxacum officinale, Plantago major, Agropyron repens

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1A
Date(s) of field work:	OFF-SITE	Size (acres):	2.57
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Hydrologically connected to Brockway Creek by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1B
Date(s) of field work:	OFF-SITE	Size (acres):	2.07
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Hydrologically connected to Brockway Creek by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1C
Date(s) of field work:	OFF-SITE	Size (acres):	0.18
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Small excavated livestock pond, west of Brockway Road. Hydrologically connected to Brockway Creek by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**SUM-1D**
Date(s) of field work:	**OFF-SITE**	Size (acres):	**1.66**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PEM**
Investigator(s):	**PF, CR**	HGM Class(es):	**VS/FL**

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Hydrologically connected to Brockway Creek by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1E
Date(s) of field work:	OFF-SITE	Size (acres):	0.28
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Possibly hydrologically connected to SUM-1D by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1F
Date(s) of field work:	OFF-SITE	Size (acres):	0.13
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Hydrologically connected to SUM-1G by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1G
Date(s) of field work:	OFF-SITE	Size (acres):	0.08
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	DCNP

Location -- Legal:	**T. 28S, R. 6W, Section 29**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**500**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Hydrologically connected to SUM-1F and 1K by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1H
Date(s) of field work:	OFF-SITE	Size (acres):	0.25
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Possibly hydrologically connected to SUM-1D and 1I by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1I
Date(s) of field work:	OFF-SITE	Size (acres):	0.15
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Possibly hydrologically connected to SUM-1H and 1J by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1J
Date(s) of field work:	OFF-SITE	Size (acres):	0.08
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 30**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**402**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Possibly hydrologically connected to SUM-1I and 1K by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1K
Date(s) of field work:	OFF-SITE	Size (acres):	0.23
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 29**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**500**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments:

OFF-SITE. Grazed livestock pasture west of Brockway Road. Possibly hydrologically connected to SUM-1J and 1G by seasonal surface water and groundwater. Seepage from hill to south. Disturbed by livestock. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-1L
Date(s) of field work:	OFF-SITE	Size (acres):	0.12
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 29**
Other:	**South of Highway 42, east of Brockway Road**
Tax Lots:	**500**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	Creeping Butter-Cup
		Juncus effusus	Soft Rush
		Agrostis alba	Redtop
		Agrostis tenuis	Colonial Bentgrass
		Rumex crispus	Curly Dock
		Poa spp.	Bluegrass
		Alopecurus pratensis	Meadow Foxtail
		Holcus lanatus	Common Velvet Grass

Comments: **Locally Significant Wetland**

OFF-SITE. Grazed livestock pasture east of Brockway Road. Hydrologically connected to Brockway Creek by seasonal surface water and groundwater. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-2A
Date(s) of field work:	OFF-SITE	Size (acres):	1.39
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Highway 42, east of Brockway Road**
Tax Lots:	**806**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments: **Locally Significant Wetland**

OFF-SITE. Grazed livestock pasture east of Brockway Road. Hydrologically connected to SUM-2E by seasonal surface water and groundwater. Disturbed by livestock. DSL # 96-0077 and 96-0156.

Adjacent Upland Vegetation: Festuca arundinacea, Poa spp., Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**SUM-2B**
Date(s) of field work:	**OFF-SITE**	Size (acres):	**1.21**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PEM**
Investigator(s):	**PF, CR**	HGM Class(es):	**FL**

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**South of Highway 42, west of Brockway Road**
Tax Lots:	**808**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Roseburg loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	**Oregon Ash**	***Ranunculus repens***	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments: **Locally Significant Wetland**

OFF-SITE. Grazed livestock pasture east of Brockway Road. Hydrologically connected to the South Umpqua River by seasonal surface water and groundwater. Mostly seasonal wet pasture, with small forested component. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-2C
Date(s) of field work:	OFF-SITE	Size (acres):	0.16
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**South of Highway 42, east of Brockway Road**
Tax Lots:	**808**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Roseburg loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Ranunculus repens*	Creeping Butter-Cup
		Juncus effusus	Soft Rush
		Agrostis alba	Redtop
		Agrostis tenuis	Colonial Bentgrass
		Rumex crispus	Curly Dock
		Poa spp.	Bluegrass
		Alopecurus pratensis	Meadow Foxtail
		Holcus lanatus	Common Velvet Grass

Comments: **Locally Significant Wetland**

OFF-SITE. Grazed livestock pasture east of Brockway Road. Possibly hydrologically connected to un-named tributary of the South Umpqua River by seasonal surface water and groundwater. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-2D
Date(s) of field work:	OFF-SITE	Size (acres):	0.18
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 20, 29**
Other:	**South of Highway 42, east of Brockway Road**
Tax Lots:	**808 (S. 20); 500 (S. 29)**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Roseburg loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Ranunculus repens*	Creeping Butter-Cup
		Juncus effusus	Soft Rush
		Agrostis alba	Redtop
		Agrostis tenuis	Colonial Bentgrass
		Rumex crispus	Curly Dock
		Poa spp.	Bluegrass
		Alopecurus pratensis	Meadow Foxtail
		Holcus lanatus	Common Velvet Grass

Comments: **Locally Significant Wetland**

OFF-SITE. Grazed livestock pasture east of Brockway Road. Possibly hydrologically connected to unnamed tributary to South Umpqua River by seasonal surface water and groundwater. DSL # 96-0077 and 96-0156. Site had been proposed for golf course.

Adjacent Upland Vegetation: Festuca arundinacea, Taraxacum officinale, Plantago major, Quercus garryana, Agropyron repens, Cirsium arvense, Dactylis glomerata, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-2E
Date(s) of field work:	OFF-SITE	Size (acres):	0.40
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Highway 42, east of Brockway Road**
Tax Lots:	**806**
Hydrologic basin:	**Lookingglass Creek**
Soil -- Mapped series:	**Banning loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Agrostis tenuis	Colonial Bentgrass
		Agrostis alba	Redtop
		Trifolium repens	White Clover
		Ranunculus repens	Creeping Butter-Cup

Comments:

OFF-SITE. DSL WD #96-0156 and 96-0077. Depressional wetland in grazed field. Hydrologically connected to SUM-2A by seasonal surface water and groundwater. Constructed ditch flows north and overflows into field.

Adjacent Upland Vegetation: Dactylis glomerata, Festuca arundinacea, Taraxacum officinale

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**SUM-3A**
Date(s) of field work:	**OFF-SITE**	Size (acres):	**0.28**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PEM**
Investigator(s):	**PF, CR**	HGM Class(es):	**DCNP**

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Highway 42, west of Abraham Avenue**
Tax Lots:	**1405**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Agrostis alba	**Redtop**
		Agrostis tenuis	**Colonial Bentgrass**
		Rumex crispus	**Curly Dock**
		Poa spp.	**Bluegrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Holcus lanatus	**Common Velvet Grass**

Comments: **Locally Significant Wetland**

OFF-SITE. Old pasture with depression on north side of Highway 42. Disturbed. Culverted under highway and may be seasonally hydrologically connected to South Umpqua River by seasonal surface water and groundwater. Several small intermittent drainages upslope drain to this area. Upslope areas are currently being developed for residential. DSL WD#01-0305.

Adjacent Upland Vegetation: Festuca arundinacea, Poa spp., Taraxacum officinale, Plantago major, Agropyron repens

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-3B
Date(s) of field work:	OFF-SITE	Size (acres):	0.02
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	DCNP

Location -- Legal:	**T. 28S, R. 6W, Section 20**
Other:	**North of Highway 42, west of Abraham Avenue**
Tax Lots:	**1405**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Ranunculus repens	**Creeping Butter-Cup**
		Juncus effusus	**Soft Rush**
		Typha latifolia	**Common Cattail**

Comments: **Locally Significant Wetland**

OFF-SITE. Small wetland area at top of slope and connected to SUM-3A by drainage ditch. DSL WD# 01-0305. Upslope areas are currently being developed for residential.

Adjacent Upland Vegetation: Festuca arundinacea, Poa spp., Taraxacum officinale, Plantago major, Agropyron repens

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-4
Date(s) of field work:	9/12/01	Size (acres):	0.13
Data Sheet Numbers:	17,18	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	RI

Location -- Legal:	**T. 28S, R. 6W, Section 21BD**
Other:	**North of Highway 42, west of Civil Bend Road**
Tax Lots:	**3200**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Stockel fine sandy loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Holcus lanatus	**Common Velvet Grass**
		Juncus patens	**Spreading Rush**
		Agrostis tenuis	**Colonial Bentgrass**

Comments:

Small wet swale through field in residential area. Drains south and flows into a small culvert at edge of subdivision.

Adjacent Upland Vegetation: Festuca arundinacea,Plantago major, Rhus diversiloba, Quercus garryana, Anthoxanthum odoratum, Rubus discolor, Daucus carota

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-5
Date(s) of field work:	2/5/02	Size (acres):	0.07
Data Sheet Numbers:	19	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	RFT

Location -- Legal:	**T. 28S, R. 6W, Section 21, 28**
Other:	**East of Highway 99, south of Thompson Street**
Tax Lots:	**100 (S. 28A)**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Nonpareil loam, 12-30% slopes**
Hydrologic Source:	**Groundwater, surface water**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Scirpus microcarpus	**Small-Fruit Bulrush**
		Rumex crispus	**Curly Dock**
		Agrostis stolonifera	**Spreading Bentgrass**
		Juncus patens	**Spreading Rush**

Comments: **Locally Significant Wetland**

Small shallow drainage originates in detention pond to north and flows south to the South Umpqua River. Intermittent, with shallow ponding just below detention pond. Majority of drainage is currently outside the UGB and within 100-year floodplain.

Adjacent Upland Vegetation: Festuca arundinacea, Plantago major, Trifolium repens, Chichorium intybus

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-6
Date(s) of field work:	2/5/02	Size (acres):	0.80
Data Sheet Numbers:	20, 21, 22, 23	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS

Location -- Legal:	T. 28S, R. 6W, Section 28
Other:	East of Highway 99, west end of Winston Road
Tax Lots:	100
Hydrologic basin:	South Umpqua River
Soil -- Mapped series:	Pengra silt loam, 2 - 20% slopes
Hydrologic Source:	Groundwater, precipitation

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Alopecurus pratensis	Meadow Foxtail
		Juncus effusus	Soft Rush
		Agrostis tenuis	Colonial Bentgrass
		Cyperus sp.	Flatsedge
		Holcus lanatus	Common Velvet Grass

Comments: **Locally Significant Wetland**

Small shallow drainage originates on slope, drains southeast through field and culverted under small driveway. Summer hydrology may be fed by upslope irrigation line. Currently outside the UGB.

Adjacent Upland Vegetation: Festuca arundinacea, Plantago major, Trifolium repens, Chichorium intybus

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-7A
Date(s) of field work:	9/12/01	Size (acres):	0.10
Data Sheet Numbers:	24	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 21**
Other:	**East of Highway 99, east side of Gregory Avenue**
Tax Lots:	**900**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Stockel fine sandy loam, 3-12% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Salix babylonica	Weeping Willow	*Juncus bolanderi*	Bolander's Rush
		Holcus lanatus	Common Velvet Grass
		Alopecurus pratensis	Meadow Foxtail

Comments:

Small shallow drainage originates in small spring, drains south through field and hydrologically connected to SUM-7B, though part has been filled recently. Supposedly small creek used to drain through the area at back of residential lots.

Adjacent Upland Vegetation: Festuca arundinacea, Hypochaeris radicata, Taraxacum officinale

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-7B
Date(s) of field work:	9/12/01	Size (acres):	0.06
Data Sheet Numbers:	25, 26	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	FL

Location -- Legal:	**T. 28S, R. 6W, Section 21**
Other:	**East of Highway 99, east side of Gregory Avenue**
Tax Lots:	**900, 1100, 1200, 1300**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Pengra silt loam, 2-20% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Polypogon monspeliensis	**Rabbit-Foot Polypogon**
		Agrostis stolonifera	**Spreading Bentgrass**
		Alopecurus pratensis	**Meadow Foxtail**
		Cyperus acuminatus	**Short-Point Flatsedge**

Comments:

Small shallow drainage originates north of fill lot, drains south through field. Hydrologically connected to SUM-7A, though part has been filled recently. Supposedly small creek used to drain through the area at back of residential lots.

Adjacent Upland Vegetation: Festuca arundinacea, Hypochaeris radicata, Taraxacum officinale

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-8
Date(s) of field work:	9/12/01	Size (acres):	0.12
Data Sheet Numbers:	27, 28, 29, 30	Cowardin Class(es):	PEM
Investigator(s):	PF, CR	HGM Class(es):	RI

Location -- Legal:	**T. 28S, R. 6W, Section 22**
Other:	**South of Brosi Orchard Road**
Tax Lots:	**1200**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Carex densa	Dense Sedge
		Agrostis tenuis	Colonial Bentgrass
		Alopecurus pratensis	Meadow Foxtail
		Rumex crispus	Curly Dock
		Holcus lanatus	Common Velvet Grass
		Agrostis alba	Redtop
		Mentha pulegium	Penny-Royal

Comments:

Couple of small wet depressions/swales. Drain north to roadside ditch, then east.

Adjacent Upland Vegetation: Festuca arundinacea, Convolvulus arvensis

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-9
Date(s) of field work:	9/12/01	Size (acres):	1.98
Data Sheet Numbers:	31, 32, 33, 34	Cowardin Class(es):	PEM, PSS, PFO, POWx
Investigator(s):	PF, CR	HGM Class(es):	VS/FL

Location -- Legal:	T. 28S, R. 6W, Sections 15C, 16DD
Other:	South of Highway 99 at west edge of RV Park
Tax Lots:	1800 (S.15); 100, 200 (S. 16)
Hydrologic basin:	South Umpqua River
Soil -- Mapped series:	Waldo silty clay loam, 0-3% slopes
Hydrologic Source:	Groundwater, precipitation, surface water

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Fraxinus latifolia	Oregon Ash	*Carex densa*	Dense Sedge
Salix sitchensis	Sitka Willow	*Agrostis tenuis*	Colonial Bentgrass
		Scirpus microcarpus	Small-Fruit Bulrush
		Rumex crispus	Curly Dock
		Holcus lanatus	Common Velvet Grass
		Carex obnupta	Slough Sedge
		Poa pratensis	Kentucky Bluegrass
		Poa annua	Annual Bluegrass
		Juncus patens	Spreading Rush
		Dipsacus sylvestris	Teasel

Comments:

Wet swale at base of slope on west edge of Umpqua Safari RV Park. Drains north from excavated pond (POWx 1%), through combination of forested (5%), scrub shrub (30%) and emergent (64%) wetlands to roadside ditch on south side of Highway 99. Area has been previously delineated (DSL #91-0218). Small area at north end has been excavated for enhancement.

Adjacent Upland Vegetation: Festuca arundinacea, Convolvulus arvensis, Cratategus monogyna, Rubus discolor, Symphoricarpos albus, mowed grasses and horticultural trees

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**SUM-10A**
Date(s) of field work:	**OFFSITE**	Size (acres):	**1.63**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PEM, POWx**
Investigator(s):	**PF, JVS**	HGM Class(es):	**VS**

Location -- Legal:	**T. 28S, R. 6W, Section 16**
Other:	**North of Highway 99, east of road to Wildlife Safari**
Tax Lots:	**900**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Rosa sp.	**Rose**	***Carex densa***	**Dense Sedge**
		Agrostis tenuis	**Colonial Bentgrass**
		Juncus patens	**Spreading Rush**
		Rumex crispus	**Curly Dock**
		Holcus lanatus	**Common Velvet Grass**
		Juncus effusus	**Soft Rush**
		Mentha pulegium	**Penny-Royal**
		Dipsacus sylvestris	**Teasel**

Comments:

OFFSITE. Wet swale through large field. Contains small excavated pond. Drains south and culverted under Highway 99 to drainage near Umpqua Safari RV Park. Hydrologically connected to SUM-10B and 10C.

Adjacent Upland Vegetation: Festuca arundinacea, Convolvulus arvensis, Cratategus monogyna, Rubus discolor, Daucus carota

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-10B
Date(s) of field work:	OFFSITE	Size (acres):	0.94
Data Sheet Numbers:	N/A	Cowardin Class(es):	PEM
Investigator(s):	PF, JVS	HGM Class(es):	VS

Location -- Legal:	**T. 28S, R. 6W, Section 16**
Other:	**North of Highway 99, east of road to Wildlife Safari**
Tax Lots:	**700, 900**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Rosa sp.	**Rose**	***Carex densa***	**Dense Sedge**
		Agrostis tenuis	**Colonial Bentgrass**
		Juncus patens	**Spreading Rush**
		Rumex crispus	**Curly Dock**
		Holcus lanatus	**Common Velvet Grass**
		Juncus effusus	**Soft Rush**
		Mentha pulegium	**Penny-Royal**
		Dipsacus sylvestris	**Teasel**

Comments:

OFFSITE. Wet swale through large field. Drains south and hydrologically connected to SUM-10A.

Adjacent Upland Vegetation: Festuca arundinacea, Convolvulus arvensis, Cratategus monogyna, Rubus discolor, Daucus carota

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	**SUM-10C**
Date(s) of field work:	**OFFSITE**	Size (acres):	**9.31**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PEM**
Investigator(s):	**PF, JVS**	HGM Class(es):	**VS**

Location -- Legal:	**T. 28S, R. 6W, Section 16**
Other:	**North of Highway 99, east of road to Wildlife Safari**
Tax Lots:	**700, 900**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Waldo silty clay loam, 0-3% slopes**
Hydrologic Source:	**Groundwater, precipitation**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
Rosa sp.	**Rose**	***Carex densa***	**Dense Sedge**
		Agrostis tenuis	**Colonial Bentgrass**
		Juncus patens	**Spreading Rush**
		Rumex crispus	**Curly Dock**
		Holcus lanatus	**Common Velvet Grass**
		Juncus effusus	**Soft Rush**
		Mentha pulegium	**Penny-Royal**
		Dipsacus sylvestris	**Teasel**

Comments:

OFFSITE. Wet swale through large field. Drains south and hydrologically connected to SUM-10A.

Adjacent Upland Vegetation: Festuca arundinacea, Convolvulus arvensis, Cratategus monogyna, Rubus discolor, Daucus carota

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

Wetland Characterization Sheet

Project Name: Winston LWI

		Wetland Code:	SUM-11
Date(s) of field work:	**OFFSITE**	Size (acres):	**0.25**
Data Sheet Numbers:	**N/A**	Cowardin Class(es):	**PEM**
Investigator(s):	**PF, JVS**	HGM Class(es):	**VS**

Location -- Legal:	**T. 28S, R. 6W, Section 21, 22**
Other:	**South of Highway 99, north of Tokay Street**
Tax Lots:	**2200 (S. 21); 600, 700, 800, 1900, 2001, 2600, 2800, 3200, 3300, 3500 (S. 22)**
Hydrologic basin:	**South Umpqua River**
Soil -- Mapped series:	**Pengra silt loam, 2-20% slopes**
Hydrologic Source:	**Groundwater, surface water**

Dominant Wetland Vegetation

TREES / SHRUBS		VINES / HERBS	
		Juncus effusus	**Soft Rush**
		Rumex crispus	**Curly Dock**
		Agrostis stolonifera	**Spreading Bentgrass**
		Juncus patens	**Spreading Rush**
		Agrostis tenuis	**Colonial Bentgrass**

Comments:

OFF-SITE. Small shallow drainage and emergent wetlands originate in slope to west along Tokay and drains east. DSL WD# 02-0251.

Adjacent Upland Vegetation: Festuca arundinacea, Plantago major, Trifolium repens, Chichorium intybus, Rubus discolor

COWARDIN CODES:	E2FO = estuarine forested	E2SS = estuarine scrub shrub	E2EM = estuarine emergent
PFO = palustrine forested	PSS = palustrine scrub-shrub	PEM = palustrine emergent	POW = palustrine open water
HGM CODES:	EFB = Estuarine Fringe Embayment	EFR = Estuarine Fringe Riverine	RFT = Riverine Flow Through
RI = River Impounding	LFH = Lacustrine Fringe Headwater	LFV = Lacustrine Fringe Valley	DB = Depressional Bog
DA- Depressional Alkaline	DO = Depressional Outflow	DCP = Depressional Closed Permanent	DCNP = Depressional Nonpermanent
HS = Headwater Slope	VS = Valley Slope	FL = Flats	

ETLAND CHARACTERIZATION- WATERSHED SETTING

QUESTIONS 1-14
OFWAM

Name of Drainage Basin: UMPQUA

Watershed Name	Square Miles	Average Slope	Stream Flow Modified by Dams	Active Diking Upstream	Dominant Land Use (Upstream)	Streams/Water Quality Limited	Non-Point Sources	Fisheries	S/T/E Fish Species	Wildlife Species	S/T/E Plant or Wildlife Species	Natural Corridor /Fish & Wildlife	Landscape Features/ Both Ends Corridor
Q.1	Q.2	Q.3	Q.4	Q.5	Q.6	Q.7	Q.8	Q.9	Q.10	Q.11	Q.12	Q.13	Q.14
Lookingglass Creek	1154 ACRES	N/A	A, B	A	C	A	A	A, B,C,D, E	Steelhead, Coho	N/A	N/A	B	B
S. Umpqua River	1835 ACRES	N/A	A, B	A	C	A	A	A, B,C,D, E	Steelhead, Coho	N/A	N/A	B	B

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-1A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	A	Q-47	C
1	a	1	B	Streams connected to the Wetland		Q-37	A	Q-48	A
2	C	2	C			Q-38	B	Q-49	B
3	a	3	—	Q	A	Q-39	A	Q-50	B
4	a	4	—	Q-30	C	Q-40	A	Asthetics	
5	a	Q-22	B	Q-31	B	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	B	Q-32	C			Q-51	—
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	C			Q-41	B	Q-53	B
Q-19	B	Q-26	A	Q	A	Q-42	B	Q-54	—
Q-20		Q-27	A	Q-33	B	Q-43	A	Q-55	B
1	C	Q-28	B	Q-31	C	Q-44	A	Q-56	B
2	a			Q-33	C	Q-45	A	Q-57	A
3	a					Q-46	A	Q-58	B
4	a								
5	Wildlife Safari								

36. Excavated pond - inundated
43. Wildlife safari land
46. Drive-through areas

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-1B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	n/a	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	A			Q-38	C	Q-49	B
3	A	3	<10	Q	A	Q-39	—	Q-50	B
4	A	4	<10	Q-30	—	Q-40	A	Asthetics	
5	Wildlife safari	Q-22	B	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	B	Q-23	C	Q-32	—			Q-51	—
Q-17	C	Q-24	C	Lakes and Ponds		Q	A		
Q-18	B	Q-25	—			Q-41	B	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	B	Q-33	—	Q-43	A	Q-54	—
1	C	Q-28	D	Q-31	—	Q-44	A	Q-55	B
2	A			Q-33	—	Q-45	A	Q-56	B
3	A					Q-46	A	Q-57	A
4	A							Q-58	B
5	Safari								

43. Wildlife safari land
46. Drive-through

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LYG-1C

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	n/a	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	A	Q	A	Q-38	C	Q-49	B
3	A	3	<10	Q-30	—	Q-39	—	Q-50	B
4	A	4	<10	Q-31	—	Q-40	A	Asthetics	
5	Safari	Q-22	B	Q-32	—	Public Access to Wetland Site		Q	A
Q-16	B	Q-23	C	Lakes and Ponds		Q	A	Q-51	—
Q-17	C	Q-24	C	Q	A	Q-41	B	Q-52	B
Q-18	B	Q-25	—	Q-33	—	Q-42	B	Q-53	B
Q-19	B	Q-26	C	Q-31	—	Q-43	A	Q-54	—
Q-20		Q-27	B	Q-33	—	Q-44	A	Q-55	B
1	C	Q-28	D			Q-45	A	Q-56	B
2	A					Q-46	A	Q-57	A
3	A							Q-58	B
4	A								
5	Safari								

43. Safari land

46. Drive through area

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LK6-1D

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	—	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	A			Q-38	C	Q-49	B
3	A	3	<10	Q	A	Q-39	—	Q-50	B
4	A	4	<10	Q-30	—	Q-40	A	Asthetics	
5	Safari	Q-22	B	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	B	Q-23	C	Q-32	—			Q-51	—
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	—			Q-41	B	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-54	—
Q-20		Q-27	B	Q-33	—	Q-43	A	Q-55	B
1	C	Q-28	D	Q-31	—	Q-44	A	Q-56	B
2	A			Q-33	—	Q-45	A	Q-57	A
3	A					Q-46	A	Q-58	B
4	A								
5	Safari								

43. Safari land

46. Drive through

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKS-1E

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	—	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	A			Q-38	C	Q-49	B
3	A	3	<10	Q	A	Q-39	—	Q-50	B
4	A	4	<10	Q-30	—	Q-40	A	Asthetics	
5	Safari	Q-22	B	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	B	Q-23	C	Q-32	—				
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-51	—
Q-18	B	Q-25	—			Q-41	B	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	B	Q-33	—	Q-43	A	Q-54	—
1	C	Q-28	D	Q-31	—	Q-44	A	Q-55	B
2	A			Q-33	—	Q-45	A	Q-56	B
3	A					Q-46	A	Q-57	A
4	A							Q-58	B
5	Safari								

43. Safari

46. Drive through

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-1F

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	—	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	A			Q-38	C	Q-49	B
3	A	3	<10	Q	A	Q-39	—	Q-50	B
4	A	4	<10	Q-30	—	Q-40	A	Asthetics	
5	Safari	Q-22	B	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	B	Q-23	C	Q-32	—				
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-51	—
Q-18	B	Q-25	—			Q-41	B	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	B	Q-33	—	Q-43	A	Q-54	—
1	C	Q-28	D	Q-31	—	Q-44	A	Q-55	B
2	A			Q-33	—	Q-45	A	Q-56	B
3	A					Q-46	A	Q-57	A
4	A							Q-58	B
5	Safari								

43. Safari
46, Drive Thru ovens

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG : VG

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	A	Q-47	C
1	A	1	C	Streams connected to the Wetland		Q-37	A	Q-48	A
2	C	2	B			Q-38	B	Q-49	B
3	A	3	<10	Q	A	Q-39	A	Q-50	B
4	A	4	D	Q-30	C	Q-40	B	Asthetics	
5	salvini	Q-22	A	Q-31	B	Public Access to Wetland Site			
Q-16	2	Q-23	C	Q-32	C			Q	A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-51	—
Q-18	A	Q-25	—			Q-41	B	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	A	Q-33	B	Q-43	A	Q-54	—
1	C	Q-28	B	Q-34	C	Q-44	A	Q-55	B
2	A			Q-35	C	Q-45	A	Q-56	B
3	A					Q-46	A	Q-57	A
4	A							Q-58	B
5	salvini								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LYG-1H

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	—	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	D			Q-38	C	Q-49	B
3	A	3	<10	Q	A	Q-39	—	Q-50	B
4	A	4	A	Q-30	—	Q-40		Asthetics	
5	safari	Q-22	B	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	A	Q-32	—			Q-51	—
Q-17	C	Q-24	B	Lakes and Ponds		Q	A		
Q-18	B	Q-25	—			Q-41	B	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	B	Q-33	—	Q-43	A	Q-54	—
1	C	Q-28	C	Q-31	—	Q-44	A	Q-55	B
2	A			Q-33	—	Q-45	A	Q-56	B
3	A					Q-46	A	Q-57	A
4	A							Q-58	B
5	safari								

43. safari
46. Drive through

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-1I

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	A	Q-47	C
1	A	1	B	Streams connected to the Wetland		Q-37	A	Q-48	A
2	C	2	B	Q	A	Q-38	C	Q-49	B
3	A	3	<10	Q-30	C	Q-39	A	Q-50	B
4	A	4	<10	Q-31	C	Q-40	A	Asthetics	
5	Safari U2	Q-22	B	Q-32	B	Public Access to Wetland Site		Q	A
Q-16		Q-23	B	Lakes and Ponds		Q	A	Q-51	—
Q-17	C	Q-24	C	Q	A	Q-41	B	Q-52	B
Q-18	A	Q-25	—	Q-33	C	Q-42	B	Q-53	B
Q-19	B	Q-26	C	Q-34	B	Q-43	A	Q-54	—
Q-20		Q-27	A	Q-35	C	Q-44	A	Q-55	B
1	C	Q-28	D			Q-45	A	Q-56	B
2	A					Q-46	A	Q-57	A
3	A							Q-58	B
4	A								
5	Safari								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-1J

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	—	Q-36	C	Q-47	C
1	A	1	<10	Streams connected to the Wetland		Q-37	C	Q-48	A
2	C	2	A			Q-38	C	Q-49	B
3	A	3	<10	Q	A	Q-39	—	Q-50	B
4	A	4	<10	Q-30	—	Q-40	A	Asthetics	
5	Safani	Q-22	B	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	—			Q-51	—
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	—			Q-41	B	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-54	—
Q-20		Q-27	B	Q-33	—	Q-43	A	Q-55	B
1	C	Q-28	D	Q-31	—	Q-44	A	Q-56	B
2	A			Q-33	—	Q-45	A	Q-57	A
3	A					Q-46	A	Q-58	B
4	A								
5	Safani								

43. Safani
46. Drive through

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-2A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	C	2	A			Q-38	B	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	D	Q-30	B	Q-40	A	Asthetics	
5	—	Q-22	A	Q-31	A	Public Access to Wetland Site		Q	A
Q-16	4	Q-23	C	Q-32	C			Q-51	N/A
Q-17	A	Q-24	B	Lakes and Ponds		Q	A	Q-52	A
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	B	Q	A	Q-42	A	Q-54	N/A
Q-20		Q-27	A	Q-33	A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	C	Q-44	B	Q-56	A
2	A			Q-35	B	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	B
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-2B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	C	Q-47	C
1	C	1	C	Streams connected to the Wetland		Q-37	A	Q-48	C
2	B	2	A			Q-38	B	Q-49	B
3	A	3	D	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	B	Q-40	A	Aesthetics	
5	—	Q-22	A	Q-31	A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	C			Q-51	N/A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-52	A
Q-18	A	Q-25	N/A			Q-41	C	Q-53	A
Q-19	B	Q-26	B	Q	A	Q-42	A	Q-54	A
Q-20		Q-27	A	Q-33	A	Q-43	A	Q-55	A
1	C	Q-28	C	Q-34	C	Q-44	B	Q-56	A
2	A			Q-35	B	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	B
4	B								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-2C

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	B	Q-49	B
3	A	3	Ø	Q	A	Q-39	B	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	A	Asthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	C								
5	—								

43-ag. land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-3

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	A	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	D	Q	A	Q-39	A	Q-50	B
4	A	4	D	Q-30	A	Q-40	B	Asthetics	
5	—	Q-22	B	Q-31	A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	C				
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-18	A	Q-25	N/A			Q-41	C	Q-52	A
Q-19	B	Q-26	A	Q	A	Q-42	A	Q-53	A
Q-20		Q-27	A	Q-33	A	Q-43	A	Q-54	A
1	A	Q-28	C	Q-34	C	Q-44	B	Q-55	A
2	A			Q-35	A	Q-45	B	Q-56	A
3	A					Q-46	C	Q-57	A
4	C							Q-58	C
5	—								

43 - ag land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-4B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	C	2	A			Q-38	B	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site			
Q-16	2	Q-23	C	Q-32	N/A			Q	A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-51	N/A
Q-18	A	Q-25	N/A			Q-41	C	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-53	A
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-54	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-55	A
2	A			Q-35	N/A	Q-45	B	Q-56	A
3	A					Q-46	C	Q-57	A
4	C							Q-58	C
5	—								

43 - Ag land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-4A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	C	2	A			Q-38	B	Q-49	B
3	A	3	Ø	Q	A	Q-39	A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site			
Q-16	2	Q-23	C	Q-32	N/A			Q	A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-51	N/A
Q-18	A	Q-25	N/A			Q-41	C	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-53	A
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-54	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-55	A
2	A			Q-35	N/A	Q-45	B	Q-56	A
3	A					Q-46	C	Q-57	A
4	C							Q-58	C
5	—								

43-ag. land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-5

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	B	2	A			Q-38	A	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	C	4	Ø	Q-30	N/A	Q-40	A	Asthetics	
5	school	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	4	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	C
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	C
Q-20		Q-27	B	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	B	Q-58	C
4	C								
5	public fac.								

93 - Ag.

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-6

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	B	Q-47	B
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	B
2	A	2	A			Q-38	C	Q-49	A
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	A
4	C	4	Ø	Q-30	N/A	Q-40	B	Aesthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	C	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	C								
5	—								

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Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-7

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	B	Q-36	A	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	B	2	A			Q-38	B	Q-49	B
3	A	3	D	Q	A	Q-39	B	Q-50	B
4	B	4	D	Q-30	C	Q-40	A	Asthetics	
5	—	Q-22	A	Q-31	C	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	C				
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-18	A	Q-25	N/A			Q-41	C	Q-52	B
Q-19	A	Q-26	C	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	A	Q-33	C	Q-43	A	Q-54	B
1	A	Q-28	C	Q-34	C	Q-44	B	Q-55	B
2	A			Q-35	C	Q-45	A	Q-56	B
3	A					Q-46	C	Q-57	A
4	C							Q-58	C
5	—								

43-Ag.

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-8

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	A	Q-47	A
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	B	2	D			Q-38	A	Q-49	A
3	A	3	D	Q	A	Q-39	C	Q-50	A
4	B	4	A	Q-30	N/A	Q-40	A	Asthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	B	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	C
Q-19	A	Q-26	C	Q	A	Q-42	A	Q-54	C
Q-20		Q-27	B	Q-33	N/A	Q-43	B	Q-55	A
1	A	Q-28	A	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

43 - Ag land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: 1KG-9

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	C	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	B
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	C	4	D	Q-30	B	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	B	Public Access to Wetland Site			
Q-16	4	Q-23	C	Q-32	C			Q	A
Q-17	A	Q-24	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-18	A	Q-25	N/A			Q-41	B	Q-52	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-53	A
Q-20		Q-27	A	Q-33	B	Q-43	A	Q-54	A
1	A	Q-28	C	Q-34	C	Q-44	B	Q-55	A
2	A			Q-35	B	Q-45	A	Q-56	A
3	A					Q-46	A	Q-57	A
4	C							Q-58	B
5	public fac.								

43 - Ag. land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: LKG-10

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	A	Q-36	A	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	C	2	D			Q-38	C	Q-49	A
3	A	3	D	Q	A	Q-39	A	Q-50	B
4	A	4	B	Q-30	A	Q-40	A	Asthetics	
5	—	Q-22	B	Q-31	B	Public Access to Wetland Site		Q	A
Q-16	4	Q-23	A	Q-32	A				
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-51	—
Q-18	A	Q-25	N/A			Q-41	C	Q-52	B
Q-19	A	Q-26	B	Q	A	Q-42	B	Q-53	B
Q-20		Q-27	A	Q-33	X	Q-43	A	Q-54	—
1	A	Q-28	D	Q-34	X	Q-44	C	Q-55	A
2	A			Q-35	X	Q-45	B	Q-56	C
3	A					Q-46	C	Q-57	A
4	C							Q-58	B
5	—								

42 - traffic
43 - creek
45 - lg. field, creek, woods

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-1A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	C
3	A	3	b	Q	A	Q-39	—	Q-50	C
4	A	4	Ø	Q-30	—	Q-40	A	Asthetics	
5	—	Q-22	A	Q-31	—	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	—			Q-51	—
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	—			Q-41	C	Q-53	B
Q-19	B	Q-26	B	Q	A	Q-42	A	Q-54	—
Q-20		Q-27	A	Q-33	—	Q-43	A	Q-55	A
1	A	Q-28	D	Q-34	—	Q-44	C	Q-56	C
2	A			Q-35	—	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	C								
5	—								

43. Ag land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SWM-1B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	D	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	–	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	A	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	B	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	C								
5	–								

43. Ag land

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-16

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	B	Q-49	B
3	A	3	D	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	C								
5	—								

43-Ag.

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-1D

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	D	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Aesthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-1E

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29		Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	D	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30		Q-40	B	Asthetics	
5	—	Q-22	A	Q-31		Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32				Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	B	Q-33		Q-43	A	Q-55	A
1	A	Q-28	C	Q-34		Q-44	B	Q-56	B
2	A			Q-35		Q-45	B	Q-57	A
3	A					Q-46	C	Q-58	C
4	A								
5	C								

43. Ag.

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: S1WM-1F

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	–	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	B	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: S1/M-16

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	A	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	C	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28		Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-1H

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	B
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	B
2	C	2	A			Q-38	C	Q-49	A
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-1T

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-15

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Aesthetics	
5	A	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	C	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-1K

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	B
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	B
2	C	2	A			Q-38	C	Q-49	A
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	A	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM - 1L

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Aesthetics	
5	A	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	B
Q-19	A	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	B	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	A								
5	C								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-2A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	B	Q-58	C
4	C								
5	—								

43-Ag.

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SWM-2B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	R
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SWA-2C

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	B
Q-19	A	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	B	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-2D

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A	Q	A	Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q-41	C	Q-52	B
Q-18	B	Q-25	N/A			Q-42	A	Q-53	B
Q-19	A	Q-26	C	Q	A	Q-43	A	Q-54	B
Q-20		Q-27	B	Q-33	N/A	Q-44	B	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-45	B	Q-56	B
2	A			Q-35	N/A	Q-46	C	Q-57	B
3	A							Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SWA-4

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	C	Q-48	C
2	B	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	B	4	Ø	Q-30	N/A	Q-40	A	Asthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	4	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	A
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	A
Q-20		Q-27	B	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	C	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-2E

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	A	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SU-W-3A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	A	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	B	Q-49	B
3	A	3	Ø	Q	A	Q-39	B	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	A	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	A	Q-26	C	Q	A	Q-42	B	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	B
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	B
2	A			Q-35	N/A	Q-45	A	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-3B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A	Q	A	Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q-41	C	Q-52	B
Q-18	B	Q-25	N/A	Q	A	Q-42	B	Q-53	B
Q-19	A	Q-26	C	Q-33	N/A	Q-43	A	Q-54	B
Q-20		Q-27	A	Q-34	N/A	Q-44	B	Q-55	B
1	A	Q-28	C	Q-35	N/A	Q-45	B	Q-56	B
2	A					Q-46	B	Q-57	A
3	A							Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SDNA-5

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	C	Q-36	A	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	B	2	A	Q	A	Q-38	C	Q-49	A
3	A	3	D	Q-30	B	Q-39	C	Q-50	B
4	A	4	Ø	Q-31	A	Q-40	A	Asthetics	
5	school	Q-22	B	Q-32	A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-17	C	Q-24	C	Q	A	Q-41	C	Q-52	B
Q-18	A	Q-25	N/A	Q-33	A	Q-42	A	Q-53	A
Q-19	A	Q-26	B	Q-34	A	Q-43	A	Q-54	A
Q-20		Q-27	A	Q-35	B	Q-44	B	Q-55	A
1	A	Q-28	C			Q-45	B	Q-56	A
2	B					Q-46	A	Q-57	B
3	A							Q-58	C
4	B								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-6

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	C	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	Z	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	B	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	B	Q-25	N/A			Q-41	C	Q-53	A
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	A
Q-20		Q-27	B	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SWM-73

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	B	2	A	Q	A	Q-38	B	Q-49	B
3	A	3	Ø	Q-30	N/A	Q-39	N/A	Q-50	B
4	B	4	Ø	Q-31	N/A	Q-40	A	Asthetics	
5	–	Q-22	B	Q-32	N/A	Public Access to Wetland Site		Q	A
Q-16	4	Q-23	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-17	C	Q-24	C	Q	A	Q-41	C	Q-52	B
Q-18	A	Q-25	N/A	Q-33	N/A	Q-42	A	Q-53	B
Q-19	B	Q-26	C	Q-34	N/A	Q-43	B	Q-54	B
Q-20		Q-27	A	Q-35	N/A	Q-44	C	Q-55	A
1	A	Q-28	C			Q-45	B	Q-56	A
2	A					Q-46	C	Q-57	A
3	A							Q-58	C
4	C								
5	–								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: 5YM-7A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	B	2	A			Q-38	B	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	B	4	Ø	Q-30	N/A	Q-40	A	Asthetics	
5	—	Q-22	B	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	4	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	B	Q-26	C	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	B	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	C	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SWM-91

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	C	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	A	Q-48	C
2	A	2	B	Q	A	Q-38	C	Q-49	B
3	A	3	C	Q-30	C	Q-39	N/A	Q-50	B
4	C	4	Ø	Q-31	C	Q-40	B	Asthetics	
5	—	Q-22	A	Q-32	C	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-17	B	Q-24	A	Q	A	Q-41	B	Q-52	B
Q-18	A	Q-25	N/A	Q-33	C	Q-42	A	Q-53	A
Q-19	A	Q-26	C	Q-34	C	Q-43	A	Q-54	A
Q-20		Q-27	A	Q-35	C	Q-44	B	Q-55	A
1	A	Q-28	C			Q-45	B	Q-56	B
2	A					Q-46	B	Q-57	B
3	A							Q-58	B
4	C								
5	—								

43 - Forested edge forest

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-S

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	B
Q-19	A	Q-26	B	Q	A	Q-42	A	Q-54	B
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	C	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

43 - Ag land / pasture

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-10B

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A	Q	A	Q-38	C	Q-49	B
3	A	3	Ø	Q-30	N/A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-31	N/A	Q-40	B	Asthetics	
5	Ø	Q-22	A	Q-32	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-17	B	Q-24	B	Q	A	Q-41	C	Q-52	B
Q-18	A	Q-25	N/A	Q-33	N/A	Q-42	A	Q-53	A
Q-19	A	Q-26	B	Q-34	N/A	Q-43	A	Q-54	A
Q-20		Q-27	A	Q-35	N/A	Q-44	B	Q-55	A
1	A	Q-28	C			Q-45	B	Q-56	B
2	A					Q-46	B	Q-57	A
3	A							Q-58	C
4	C								
5	—								

43 - Ag/pasture

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SUM-106

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15.		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2.	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	B	Aesthetics	
5	Ø	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	A	Q-24	B	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	A
Q-19	A	Q-26	B	Q	A	Q-42	A	Q-54	A
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-31	N/A	Q-44	B	Q-56	B
2	A			Q-33	N/A	Q-45	A	Q-57	A
3	A					Q-46	C	Q-58	C
4	C								
5	—								

43. Ag/pasture

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SLM-16A

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	A
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	A
2	C	2	A	Q	A	Q-38	C	Q-49	A
3	A	3	Ø	Q-30	N/A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-31	N/A	Q-40	B	Asthetics	
5	Ø	Q-22	A	Q-32	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Lakes and Ponds		Q	A	Q-51	N/A
Q-17	B	Q-24	B	Q	A	Q-41	B	Q-52	B
Q-18	A	Q-25	N/A	Q-33	N/A	Q-42	A	Q-53	A
Q-19	A	Q-26	B	Q-34	N/A	Q-43	A	Q-54	A
Q-20		Q-27	A	Q-35	N/A	Q-44	B	Q-55	A
1	A	Q-28	C			Q-45	A	Q-56	B
2	A					Q-46	C	Q-57	A
3	A							Q-58	C
4	C								
5	—								

43 - ag / pasture

Wetland Characterization -- Field Form

Project Name: Winston Local Wetland Inventory

Wetland Code: SJM-11

Watershed Setting: (Questions 1-14) See Attached Table

Wetland Structure and Relation to Surrounding Landscape		Wetland Habitat		Fisheries Habitat		Wetland Hydrology		Recreation	
Q	A	Q	A	Q	A	Q	A	Q	A
Q-15		Q-21		Q-29	N/A	Q-36	C	Q-47	C
1	A	1	Ø	Streams connected to the Wetland		Q-37	B	Q-48	C
2	C	2	A			Q-38	C	Q-49	B
3	A	3	Ø	Q	A	Q-39	N/A	Q-50	B
4	A	4	Ø	Q-30	N/A	Q-40	A	Asthetics	
5	—	Q-22	A	Q-31	N/A	Public Access to Wetland Site		Q	A
Q-16	2	Q-23	C	Q-32	N/A			Q-51	N/A
Q-17	C	Q-24	C	Lakes and Ponds		Q	A	Q-52	B
Q-18	A	Q-25	N/A			Q-41	C	Q-53	A
Q-19	A	Q-26	B	Q	A	Q-42	A	Q-54	A
Q-20		Q-27	A	Q-33	N/A	Q-43	A	Q-55	A
1	A	Q-28	C	Q-34	N/A	Q-44	B	Q-56	A
2	A			Q-35	N/A	Q-45	B	Q-57	B
3	A					Q-46	B	Q-58	C
4	C								
5	—								

43 - Ag / pasture

Appendix C

Wetland Determination Data Forms



Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-MISC-1
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators
			Inundated		Ox. rhizospheres
			Sat. in Upper 12"	Yes	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey
Depth to Free H20	6	Inches	Drift Lines		FAC Neutral Test
Depth to Saturation	0	Inches	Sediment Deposits		Other _____
			Drainage patterns		Criteria Met: Yes

SOILS

Mapped Series: Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-3	10YR 3/1	S				
3-16	10YR 2/1	C	10YR 5/8	common, medium, distinct	H2S smell	

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Juncus effusus**	FACW	50
			*Agrostis tenuis**	FAC	30
			Holcus lanatus	FAC	15
			Epilobium sp.	FAC-FACW	5
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Within channel of small drainage. Potentially jurisdictional other waters

Determination: Other Waters

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-MISC-2
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 2/1	SCL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Trifolium repens	FAC	10
*Lolium multiflorum**	UPL	20
Geranium molle	UPL	10
*unidentifiable grasses**	FAC-UPL	60

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 0% Criteria Met: No

Comments:

Heavily grazed slope above small drainage

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1E-3
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		**Inches**
Depth to Free H20	>16	**Inches**
Depth to Saturation	>16	**Inches**

Primary Indicators	**Secondary Indicators**
Inundated	**Ox. rhizospheres**
Sat. in Upper 12"	**H20-stained leaves**
Water Marks	**Local Soil Survey**
Drift Lines	**FAC Neutral Test**
Sediment Deposits	**Other** _____
Drainage patterns	**Criteria Met: No**

SOILS **Mapped Series:** Curtin clay **Hydric Soil?:** No

Classification: Aquic Haploxererts **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/1	SCL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Agrostis tenuis**	FAC	30
Trifolium repens	FAC	15
*Lolium multiflorum**	UPL	25
*Geranium molle**	UPL	30

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33% **Criteria Met: No**

Comments:

Heavily grazed pasture in Wildlife Safari

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1E-4
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators
			Inundated		Ox. rhizospheres
			Sat. in Upper 12"	Yes	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey
Depth to Free H20	6	Inches	Drift Lines		FAC Neutral Test
Depth to Saturation	0	Inches	Sediment Deposits		Other _____
			Drainage patterns		Criteria Met: Yes

SOILS **Mapped Series:** Conser silty clay loam **Hydric Soil?:** Yes

Classification: Typic Argiaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 2/1	S				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Juncus effusus**	FACW	25
			*Agrostis tenuis**	FAC	25
			*Trifolium repens**	FAC	20
			*Poa annua**	FAC	30
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1A-5
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>14	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>14	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Curtin clay **Hydric Soil?:** No

Classification: Aquic Haploxererts **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 2/2					

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Poa annua**	FAC	20
*Geranium molle**	UPL	45
Juncus patens	FACW	10
*Lolium multiflorum**	UPL	25

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33% Criteria Met: No

Comments:

Area shown as wetland on NWI.

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1A-6
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Curtin clay **Hydric Soil?:** No

Classification: Aquic Haploxererts **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-4	10YR 3/2	SCL	7.5YR 3/4	few, medium, distinct		
4-16	10YR 3/1	C				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			Juncus patens	FACW	15
			*Geranium molle**	UPL	20
			*Lolium multiflorum**	UPL	30
			*Agrostis tenuis**	FAC	30
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** 33% Criteria Met: No

Comments:

Heavily grazed pasture in Wildlife Safari. Shown as wetland on NWI.

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1C-7
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators
			Inundated		Ox. rhizospheres
			Sat. in Upper 12"	Yes	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey
Depth to Free H20	8	Inches	Drift Lines		FAC Neutral Test
Depth to Saturation	3	Inches	Sediment Deposits		Other _____
			Drainage patterns	Yes	Criteria Met: Yes

SOILS **Mapped Series:** Curtin clay **Hydric Soil?:** No

Classification: Aquic Haploxererts **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-8	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		
8-16	10YR 3/1	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Mentha pulegium**	OBL	25
			*Agrostis tenuis**	FAC	20
			*Trifolium repens**	FAC	20
			*Juncus effusus**	FACW	35
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1C-8
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	>16	Inches
Depth to Saturation	>16	Inches

Primary Indicators	Secondary Indicators
Inundated	Ox. rhizospheres
Sat. in Upper 12"	H20-stained leaves
Water Marks	Local Soil Survey
Drift Lines	FAC Neutral Test
Sediment Deposits	Other _____
Drainage patterns	

Criteria Met: No

SOILS

Mapped Series: Curtin clay **Hydric Soil?:** No

Classification: Aquic Haploxererts **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/2	SCL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Geranium molle**	UPL	25
*Trifolium repens**	FAC	20
*Lolium multiflorum**	UPL	35
*Agrostis tenuis**	FAC	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 50% **Criteria Met: No**

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1F-9
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	5	Inches
Depth to Saturation	0	Inches

Primary Indicators		Secondary Indicators	
Inundated		Ox. rhizospheres	Yes
Sat. in Upper 12"	Yes	H20-stained leaves	
Water Marks		Local Soil Survey	
Drift Lines		FAC Neutral Test	
Sediment Deposits		Other	
Drainage patterns		Criteria Met:	Yes

SOILS

Mapped Series: Conser silty clay loam **Hydric Soil?:** Yes

Classification: Typic Argiaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/2	CL				
6-16	10YR 3/1	CL	10YR 5/6	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Mentha pulegium**	OBL	20
*Alopecurus pratensis**	FACW	40
Holcus lanatus	FAC	15
Poa annua	FAC	15

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1F-10
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	>16	Inches
Depth to Saturation	>16	Inches

Primary Indicators	Secondary Indicators
Inundated	Ox. rhizospheres
Sat. in Upper 12"	H20-stained leaves
Water Marks	Local Soil Survey
Drift Lines	FAC Neutral Test
Sediment Deposits	Other
Drainage patterns	

Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/3	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Trifolium repens**	FAC	20
*Lolium multiflorum**	UPL	20
*Geranium molle**	UPL	20
Grazed misc. grass	FAC-UPL	40

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33% **Criteria Met: No**

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1F-11
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Conser silty clay loam **Hydric Soil?:** Yes

Classification: Typic Argiaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/1	C				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			Geranium molle	UPL	5
			*Festuca arundinacea**	FAC-	30
			*Lolium multiflorum**	UPL	50
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** 0% Criteria Met: No

Comments:

Heavily grazed in Safari Park

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1G-12
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	>16	Inches
Depth to Saturation	>16	Inches

Primary Indicators	Secondary Indicators
Inundated	Ox. rhizospheres
Sat. in Upper 12"	H20-stained leaves
Water Marks	Local Soil Survey
Drift Lines	FAC Neutral Test
Sediment Deposits	Other _____
Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/1	C				
6-16	10YR 4/3	L				gravelly

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Agrostis tenuis**	FAC	20
*Trifolium repens**	FAC	20
Sonchus asper	FAC-	5
Epilobium sp.	FAC-FACW	10
*Geranium molle**	UPL	20
*Lolium multiflorum**	UPL	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 50% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-1G-13
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O	1	Inches
Depth to Free H20		Inches
Depth to Saturation		Inches

Primary Indicators		Secondary Indicators
Inundated	Yes	Ox. rhizospheres
Sat. in Upper 12"		H20-stained leaves
Water Marks		Local Soil Survey
Drift Lines		FAC Neutral Test
Sediment Deposits		Other
Drainage patterns	Yes	**Criteria Met: Yes**

SOILS

Mapped Series: Curtin clay **Hydric Soil?:** No

Classification: Aquic Haploxererts **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/1	C				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Agrostis tenuis**	FAC	50
*Trifolium repens**	FAC	50

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% **Criteria Met: Yes**

Comments:

Mostly bare trampled mud in buffalo area of Wildlife Safari

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-MISC-14
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/2	SL				
6-16	10YR 2/2	SCL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Festuca arundinacea**	FAC-	35
*Trifolium repens**	FAC	30
*Geranium molle**	UPL	35

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33% Criteria Met: No

Comments:

Upslope from small drainage (LKG-MISC-37)

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-6-15
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S	Range: 6W	Section: 20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	>12	Inches
Depth to Saturation	>12	Inches

Primary Indicators		Secondary Indicators	
Inundated		Ox. rhizospheres	Yes
Sat. in Upper 12"		H20-stained leaves	
Water Marks		Local Soil Survey	
Drift Lines		FAC Neutral Test	
Sediment Deposits		Other	
Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Conser silty clay loam **Hydric Soil?:** Yes

Classification: Typic Argiaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-12	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Anthoxanthum odoratum	FACU	10
*Alopecurus pratensis**	FACW	20
*Agrostis tenuis**	FAC	30
*Festuca arundinacea**	FAC-	30
Taraxacum officinale	FACU	10

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 67% Criteria Met: Yes

Comments:

Grazed pasture

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-6-16
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S	Range: 6W	Section: 20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	>13	Inches
Depth to Saturation	>13	Inches

Primary Indicators	Secondary Indicators
Inundated	Ox. rhizospheres
Sat. in Upper 12"	H20-stained leaves
Water Marks	Local Soil Survey
Drift Lines	FAC Neutral Test
Sediment Deposits	Other
Drainage patterns	

Criteria Met: No

SOILS **Mapped Series:** Conser silty clay loam **Hydric Soil?:** Yes

Classification: Typic Argiaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-13	10YR 3/3	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Holcus lanatus**	FAC	30
*Hypochaeris radicata**	FACU	20
*Festuca arundinacea**	FAC-	50

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-4-17
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	21

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>13	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>13	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Stockel fine sandy loam **Hydric Soil?:** No

Classification: Aquultic Haploxeralfs **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-13	10YR 3/2	SL	7.5YR 4/6	few, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Holcus lanatus**	FAC	60
			*Agrostis tenuis**	FAC	20
			*Festuca arundinacea**	FAC-	20
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL: 67%** Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-4-18
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	21

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>6	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>6	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Stockel fine sandy loam **Hydric Soil?:** No

Classification: Aquultic Haploxeralfs **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/3	SL				Refusal at 6 inches due to dry, compact soils

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Plantago major**	FACU+	30
*Agrostis tenuis**	FAC	30
*Daucus carota**	UPL	20
*Festuca arundinacea**	FAC-	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL: 25%** Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-5-19
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	28

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators
			Inundated	Yes	Ox. rhizospheres
			Sat. in Upper 12"		H20-stained leaves
Depth of Surf. H2O	<1	Inches	Water Marks		Local Soil Survey
Depth to Free H20		Inches	Drift Lines		FAC Neutral Test
Depth to Saturation		Inches	Sediment Deposits		Other _____
			Drainage patterns	Yes	Criteria Met: Yes

SOILS **Mapped Series:** NonPareil loam **Hydric Soil?:** No

Classification: Typic Dystroxerepts **Drainage Class:** well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/1	SCL	7.5YR 3/4	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Agrostis stolonifera**	FAC	55
Rumex crispus	FAC+	5
Juncus patens	FACW	10
*Scirpus microcarpus**	OBL	30

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-6-20
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	28

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 4/3	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Poa annua**	FAC	40
*Festuca arundinacea**	FAC-	20
Trifolium repens	FAC	10
*Chichorium intybus**	UPL	30

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory		Number: 2379	Sample Site	SUM-6-21
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	28

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators
			Inundated		Ox. rhizospheres
			Sat. in Upper 12"	Yes	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey
Depth to Free H20	6	Inches	Drift Lines		FAC Neutral Test
Depth to Saturation	0	Inches	Sediment Deposits		Other _____
			Drainage patterns	Yes	Criteria Met: Yes

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 4/1	SCL	10YR 4/6	common, coarse, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Juncus effusus	FACW	10
Cyperus acuminatus	OBL	10
*Holcus lanatus**	FAC	20
*Festuca arundinacea**	FAC-	20
*Agrostis tenuis**	FAC	20
*Alopecurus pratensis**	FACW	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 75% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-6-22
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	28

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"	Yes	H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	1	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	0	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Chapman-Chehalis complex **Hydric Soil?:** No

Classification: Cumulic Ultic Haploxerolls **Drainage Class:** well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/1	SL	7.5YR 4/6	common, medium, distinct		
6-16	10YR 3/2	SL	7.5YR 4/4	common, coarse, distinct	H2S smell	

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Festuca arundinacea**	FAC-	30
Cyperus acuminatus	OBL	5
*Agrostis stolonifera**	FAC	20
Juncus effusus	FACW	5
*Alopecurus pratensis**	FACW	40

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 67% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-6-23
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	28

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: Yes / No

SOILS **Mapped Series:** Chapman-Chehalis complex **Hydric Soil?:** No

Classification: Cumulic Ultic Haploxerolls **Drainage Class:** well drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/2	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes / No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (95%)	Status	% Cover
*Festuca arundinacea**	FAC-	65
Trifolium pratense	FACU	5
Agrostis stolonifera	FAC	10
Daucus carota	UPL	10
Plantago lanceolata	FAC	10

Woody Vine Stratum (5%)	Status	% Cover
*Rubus discolor**	FACU	100

***Percent of dominant species FAC, FACW, or OBL:** 0% Criteria Met: Yes / No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-7A-24
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	21

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS

Mapped Series: Stockel fine sandy loam **Hydric Soil?:** No

Classification: Aquultic Haploxeralfs **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/2	SCL	7.5YR 4/6	few, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (5%)	Status	% Cover	Herbaceous Stratum (95%)	Status	% Cover
Salix contorta	NOL	100	*Juncus bolanderi*	OBL	5
			*Festuca arundinacea**	FAC-	30
			*Alopecurus pratensis**	FACW	30
			*Holcus lanatus**	FAC	20
			Vicia sativa	UPL	5
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

*Percent of dominant species FAC, FACW, or OBL: 67% Criteria Met: Yes

Comments:

Fill to South

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-7B-25
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	21

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>6	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>6	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/1	SL				Refusal at 6 inches due to dry, compact soils

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Festuca arundinacea**	FAC-	30
*Agrostis tenuis**	FAC	20
Hypochaeris radicata	FACU	10
*Taraxacum officinale**	FACU	20
*Crepis setosa**	UPL	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 25% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-7B-26
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	21

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"	Yes	H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>16	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	0	Inches	Sediment Deposits		Other	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS

Mapped Series: Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	5Y 3/1	SDL	7.5YR 4/6	few, coarse, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Polypogon monspeliensis	FACW	5
Cyperus acuminatus	OBL	10
*Alopecurus pratensis**	FACW	40
*Festuca arundinacea**	FAC-	25
*Agrostis stolonifera**	FAC	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 67% Criteria Met: Yes

Comments:

Fill to North

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-8-27
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	22

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		**Inches**
Depth to Free H20	>12	**Inches**
Depth to Saturation	>12	**Inches**

Primary Indicators		**Secondary Indicators**	
Inundated		**Ox. rhizospheres**	**Yes**
Sat. in Upper 12"		**H20-stained leaves**	
Water Marks		**Local Soil Survey**	
Drift Lines		**FAC Neutral Test**	
Sediment Deposits		**Other** _____	
Drainage patterns	**Yes**	**Criteria Met:**	**Yes**

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-12	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: **Yes**

VEGETATION

Tree Stratum (0%)	**Status**	**% Cover**

Shrub Stratum (0%)	**Status**	**% Cover**

Herbaceous Stratum (100%)	**Status**	**% Cover**
*Agrostis alba**	**FAC**	**40**
*Mentha pulegium**	**OBL**	**30**
Convolvulus arvensis	**UPL**	**10**
*Festuca arundinacea**	**FAC-**	**20**

Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** **67%** **Criteria Met:** **Yes**

Comments:

Determination: **Wetland**

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-8-28
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	22

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>13	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>13	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-13	10YR 3/3	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Holcus lanatus**	FAC	30
			*Festuca arundinacea**	FAC-	40
			*Agrostis tenuis**	FAC	20
			Alopecurus pratensis	FACW	10
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL:** 67% Criteria Met: Yes

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-8-29
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	22

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/2	SL	10YR 5/8	common, medium, prominent		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Carex densa**	OBL	75
			Convolvulus arvensis	UPL	10
			Rumex crispus	FAC+	5
			Alopecurus pratensis	FACW	10
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL: 100%** Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-8-30
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S	Range: 6W	Section: 22

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/2	SL	10YR 5/8	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Alopecurus pratensis**	FACW	40
			*Agrostis tenuis**	FAC	20
			*Festuca arundinacea**	FAC-	20
			*Holcus lanatus**	FAC	20
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL: 75%** Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-9-31
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	16

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/1	SCL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (20%)	Status	% Cover
*Fraxinus latifolia**	FACW	75
*Symphoricarpos albus**	FACU	25

Herbaceous Stratum (80%)	Status	% Cover
*Carex obnupta**	OBL	100

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 67% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-9-32
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	16

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>14	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>14	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/2	SL				refusal at 6 inches due to dry, rock hard, compact soils

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Trifolium repens	FAC	5
Daucus carota	UPL	5
Hypochaeris radicata	FACU	10
*Festuca arundinacea**	FAC-	30
Plantago major	FACU+	5
*Poa pratensis**	FAC	20
*Poa annua**	FAC	20
Agrostis tenuis	FAC	5

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 67% Criteria Met: Yes

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-9-33
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	16

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other ____ hummocky	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/2	SL	7.5YR 4/6	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (30%)	Status	% Cover
*Fraxinus latifolia**	FACW	100

Herbaceous Stratum (70%)	Status	% Cover
*Dipsacus sylvestris**	FAC	20
*Juncus patens**	FACW	30
Lotus corniculatus	FAC	10
*Carex densa**	OBL	20
Holcus lanatus	FAC	10
Mentha pulegium	OBL	10

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-9-34
Applicant:	City of Winston	County:	Douglas	Date:	9/12/01
Investigators:	PF/CR	Township:	28S Range: 6W	Section:	16

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>13	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>13	Inches	Sediment Deposits		Other	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Waldo silty clay loam **Hydric Soil?:** Yes

Classification: Fluvaquentic Endoaquolls **Drainage Class:** poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-8	10YR 3/3	SDL				
8-13	10YR 3/2	SCL	7.5YR 4/6	few, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Scirpus microcarpus**	OBL	70
			Rumex crispus	FAC+	5
			Cyperus acuminatus	OBL	10
			Juncus effusus	FACW	5
			Epilobium watsonii	FACW-	5
			Holcus lanatus	FAC	5
Shrub Stratum (0%)	**Status**	**% Cover**			
			Woody Vine Stratum (0%)	**Status**	**% Cover**

***Percent of dominant species FAC, FACW, or OBL: 100%** Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-MISC-35
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	8

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"	Yes	H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20		Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	0	Inches	Sediment Deposits		Other	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/2	SCL	7.5YR 3/4	few, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Agrostis tenuis**	FAC	30
unknown grasses	FAC-FACW	40
*Poa sp.**	FAC-FACW	30

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Within small drainage channel

Determination: Other Waters

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	SUM-MISC-36
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	8

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>14	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>14	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/2	CL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Festuca arundinacea**	FAC-	25
*Geranium molle**	UPL	30
*Plantago major**	FACU+	20
*Trifolium repens**	FAC	25

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 25% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory		Number: 2379	Sample Site	LKG-MISC-37
Applicant:	City of Winston	County:	Douglas	Date:	2/5/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators
			Inundated	Yes	Ox. rhizospheres
			Sat. in Upper 12"		H20-stained leaves
Depth of Surf. H2O	1	Inches	Water Marks		Local Soil Survey
Depth to Free H20		Inches	Drift Lines		FAC Neutral Test
Depth to Saturation		Inches	Sediment Deposits		Other _____
			Drainage patterns	Yes	Criteria Met: Yes

SOILS

Mapped Series: Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/1	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Juncus patens**	FACW	20
*Agrostis stolonifera**	FAC	40
*Holcus lanatus**	FAC	20
*Unknown grass (grazed)**	FAC-FACW	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Within small drainage channel

Determination: Other Waters

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-2A-38
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-3	10YR 3/1	SL				
3-14	10YR 3/2	SCL	7.5YR 5/8	many, medium, promient		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Juncus patens**	FACW	40
*Dipsacus sylvestris**	FAC	20
Carex densa	OBL	10
Mentha arvensis	FACW-	10
Myosotis discolor	FACW	10
Vicia sativa	UPL	2
Poa trivialis	FACW	5

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory		Number: 2379	Sample Site	LKG-2A-39
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		**Inches**
Depth to Free H20	**>16**	**Inches**
Depth to Saturation	**>16**	**Inches**

Primary Indicators	**Secondary Indicators**
Inundated	**Ox. rhizospheres**
Sat. in Upper 12"	**H20-stained leaves**
Water Marks	**Local Soil Survey**
Drift Lines	**FAC Neutral Test**
Sediment Deposits	**Other** _____
Drainage patterns	**Criteria Met: No**

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/2	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (20%)	Status	% Cover
*Rhus diversiloba**	UPL	100

Herbaceous Stratum (80%)	Status	% Cover
*Festuca arundinacea**	FAC-	20
*Vicia americana**	FAC	10
*Cirsium arvense**	FACU+	20
Trifolium pratense	FACU	10
Cirsium vulgare	FACU	15
Agrostis tenuis	FAC	10

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 0% **Criteria Met: No**

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-2A-40
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		**Inches**
Depth to Free H20	**>16**	**Inches**
Depth to Saturation	**>16**	**Inches**

Primary Indicators		**Secondary Indicators**	
Inundated		**Ox. rhizospheres**	**Yes**
Sat. in Upper 12"		**H20-stained leaves**	
Water Marks		**Local Soil Survey**	
Drift Lines		**FAC Neutral Test**	
Sediment Deposits		**Other** _____	
Drainage patterns	**Yes**	**Criteria Met:**	**Yes**

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-6	10YR 3/2	CL	7.5YR 5/6	common, medium, distinct		
6-16	10YR 2/1	C				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: **Yes**

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Mentha arvensis**	FACW-	20
*Juncus patens**	FACW	25
*Alopecurus pratensis**	FACW	20
Juncus tenuis	FACW-	15
Festuca arundinacea	FAC-	10
Bromus mollis	UPL	5

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** **100%** **Criteria Met:** **Yes**

Comments:

Determination: **Wetland**

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory		Number: 2379	Sample Site	LKG-2A-41
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	17

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>14	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>14	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 2/2	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Woody Vine Stratum (20%)	Status	% Cover
*Rubus discolor**	FACU	80
*Rhus diversiloba**	UPL	20

Herbaceous Stratum (80%)	Status	% Cover
Festuca arundinacea	FAC-	10
Geranium molle	UPL	10
*Poa annua**	FAC	20
Trifolium repens	FAC	10
Dipsacus sylvestris	FAC	10
Vicia sativa	UPL	10
Daucus carota	UPL	10
Cirsium arvense	FACU+	5
Juncus patens	FACW	5
Vicia gigantia	NOL	5

***Percent of dominant species FAC, FACW, or OBL:** 33% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-4A-42
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S	Range: 6W	Section: 20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns Yes	Criteria Met: Yes

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-5	10YR 3/1	SCL	7.5YR 4/6	common, medium, distinct		
5-16	10YR 3/1	CL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Juncus acuminatus**	OBL	45
*Lotus corniculatus**	FAC	20
*Mentha arvensis**	FACW-	25
Festuca arundinacea	FAC-	10

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-4A-43
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators	Secondary Indicators
			Inundated	Ox. rhizospheres
			Sat. in Upper 12"	H20-stained leaves
Depth of Surf. H2O		Inches	Water Marks	Local Soil Survey
Depth to Free H20	>16	Inches	Drift Lines	FAC Neutral Test
Depth to Saturation	>16	Inches	Sediment Deposits	Other _____
			Drainage patterns	Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-16	10YR 3/2	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
*Bromus mollis**	UPL	30
*Anthoxanthum odoratum**	FACU	20
*Hypochaeris radicata**	FACU	20
Rumex acetosella	FACU+	10
Trifolium pratense	FACU	5
Plantago lanceolata	FAC	10

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 0% Criteria Met: No

Comments:

Determination: Upland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-4A-44
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 3/2	SCL	10YR 4/6	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Alopecurus pratensis	FACW	10
*Juncus tenuis**	FACW-	20
*Agrostis tenuis**	FAC	20
*Vulpia myuros**	FAC	30
Festuca arundinacea	FAC-	10
Trifolium repens	FAC	10

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-4B-45
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

			Primary Indicators		Secondary Indicators	
			Inundated		Ox. rhizospheres	Yes
			Sat. in Upper 12"		H20-stained leaves	
Depth of Surf. H2O		Inches	Water Marks		Local Soil Survey	
Depth to Free H20	>14	Inches	Drift Lines		FAC Neutral Test	
Depth to Saturation	>14	Inches	Sediment Deposits		Other _____	
			Drainage patterns	Yes	Criteria Met:	Yes

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-14	10YR 4/1	SCL	7.5YR 4/6	common, medium, distinct		

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: Yes

VEGETATION

Tree Stratum (0%)	Status	% Cover	Herbaceous Stratum (100%)	Status	% Cover
			*Carex densa**	OBL	20
			*Agrostis stolonifera**	FAC	20
			Trifolium dubium	UPL	10
			Festuca arundinacea	FAC-	10
Shrub Stratum (0%)	**Status**	**% Cover**	*Juncus patens*	FACW	5
			Juncus tenuis	FACW-	5
			Mentha pulegium	OBL	5
			Juncus effusus	FACW	5
Woody Vine Stratum (0%)	**Status**	**% Cover**	*Myosotis discolor*	FACW	5
			Alopecurus pratensis	FACW	5
			Rumex crispus	FAC+	2

***Percent of dominant species FAC, FACW, or OBL:** 100% Criteria Met: Yes

Comments:

Determination: Wetland

Wetland Determination Data Form
Routine Onsite Method

Pacific Habitat Services, Inc.

Project:	Winston Local Wetland Inventory	Number:	2379	Sample Site	LKG-4B-46
Applicant:	City of Winston	County:	Douglas	Date:	5/2/02
Investigators:	JVS / PF	Township:	28S Range: 6W	Section:	20

Do Normal Circumstances exist on this site? **Yes** Is the area a potential Problem Area? **No**

Is this an Atypical Situation? **No**

HYDROLOGY

Depth of Surf. H2O		Inches
Depth to Free H20	>12	Inches
Depth to Saturation	>12	Inches

Primary Indicators	Secondary Indicators
Inundated	Ox. rhizospheres
Sat. in Upper 12"	H20-stained leaves
Water Marks	Local Soil Survey
Drift Lines	FAC Neutral Test
Sediment Deposits	Other _____
Drainage patterns	

Criteria Met: No

SOILS **Mapped Series:** Pengra silt loam **Hydric Soil?:** Yes

Classification: Vertic Epiaquolls **Drainage Class:** somewhat poorly drained

Depth (Inches)	Matrix Color	Soil Texture*	Redox Concentrations Color	Redox Concentrations abundance/size/contrast	Other Hydric Soil Field Indicators	Comments
0-12	10YR 3/2	SL				

*SD=Sand, SDL=Sandy Loam, L=Loam, SDCL=Sandy Clay Loam, S=Silt, SL=Silt Loam, SCL=Silty Clay Loam, CL=Clay Loam, C=Clay

Criteria Met: No

VEGETATION

Tree Stratum (0%)	Status	% Cover

Shrub Stratum (0%)	Status	% Cover

Herbaceous Stratum (100%)	Status	% Cover
Daucus carota	UPL	10
Anthoxanthum odoratum	FACU	10
Plantago lanceolata	FAC	2
*Trifolium dubium**	UPL	30
*Festuca arundinacea**	FAC-	20
Trifolium repens	FAC	5
Juncus tenuis	FACW-	2
*Vulpia myuros**	FAC	20

Woody Vine Stratum (0%)	Status	% Cover

***Percent of dominant species FAC, FACW, or OBL:** 33%

Criteria Met: No

Comments:

Determination: Upland

Appendix D

OFWAM Data and Summary Sheets



Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1A**
Project Location:	Douglas County	**Wetland Type(s):**	POWx, PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	2.28
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	B	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	C	Q-3	B	Q-3	A
Q-4	B	Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	C		
Q-8	B								
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 impacted or degraded
Hydrologic Control	Wetland's hydrologic control 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	A	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	A	Q-3	B
Q-4	B	Q-4	A	Q-4	B	Q-4	B
Q-5B	C	Q-5	A	Q-5	B	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1A**
Location:	Douglas County	**Approx. Area (acres):**	2.28
Date:	2/5/02	**Wetland Types(s):**	POWx, PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Between 0.5 - 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Minor restrictions slow down the water	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.30
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	B/C	Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-1	B	Q-1	A	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	A	Q-3	B
Q-4	C	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1B**
Location:	Douglas County	**Approx. Area (acres):**	0.30
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1C**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.13
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-1	B	Q-1	A	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	A	Q-3	B
Q-4	C	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1C**
Location:	Douglas County	**Approx. Area (acres):**	0.13
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1D**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.41
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-1	B	Q-1	A	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	A	Q-3	B
Q-4	C	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1D**
Location:	Douglas County	**Approx. Area (acres):**	0.41
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1E**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.35
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	**C**	Q-1	**B**	Q-1	**A**
Q-2	**C**	Q-2		Q-2	**C**	Q-2	**C**	Q-2	**B**
Q-3	**B**	Q-3		Q-3	**B**	Q-3	**C**	Q-3	**A**
Q-4	**C**	Q-4		Q-4	**B**	Q-4	**C**	Q-4	**B**
Q-5	**B**	Q-5		Q-5	**B**	Q-5	**C**	Q-5	**C**
Q-6	**B**	Q-6		Q-6	**A**	Q-6	**B**	Q-6	**C**
Q-7	**C**					Q-7	**C**		
Q-8	**B**								
Q-9A									
Q-9B	**C**								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	**B**	Q-1	**B**	Q-1	**A**	Q-1	**C**
Q-2	**B**	Q-2	**B**	Q-2	**C**	Q-2	**A**
Q-3		Q-3	**B**	Q-3	**A**	Q-3	**B**
Q-4	**C**	Q-4	**A**	Q-4	**B**	Q-4	**A**
Q-5B	**C**	Q-5	**A**	Q-5	**B**	Q-5	**A**
Q-6	**B**	Q-6	**A**	Q-6	**B**	Q-6	**A**

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1E**
Location:	Douglas County	**Approx. Area (acres):**	0.35
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1F**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.65
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-1	B	Q-1	A	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	A	Q-3	B
Q-4	B	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1F**
Location:	Douglas County	**Approx. Area (acres):**	0.65
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1G**
Project Location:	Douglas County	**Wetland Type(s):**	PEM, POWx, PFO

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	4.87
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	B	Q-1	A
Q-2	C	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	B	Q-3	C	Q-3	B	Q-3	B	Q-3	A
Q-4	A	Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	C	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
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 impacted or degraded
Hydrologic Control	Wetland's hydrologic control 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	B	Q-1	B	Q-1	A	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	A	Q-3	B
Q-4	B	Q-4	A	Q-4	B	Q-4	B
Q-5B	C	Q-5	A	Q-5	B	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1G**
Location:	Douglas County	**Approx. Area (acres):**	4.87
Date:	2/5/02	**Wetland Types(s):**	PEM, POWx, PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Minor restrictions slow down the water	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1H**
Project Location:	Douglas County	**Wetland Type(s):**	PFO

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.11
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	A
Q-2	C/A	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-1	B	Q-1	A	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	A	Q-3	B
Q-4	C	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1H**
Location:	Douglas County	**Approx. Area (acres):**	0.11
Date:	2/5/02	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1I**
Project Location:	Douglas County	**Wetland Type(s):**	POWx, PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.26
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	B	Q-1	A
Q-2	B	Q-2	C	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	B	Q-3	C	Q-3	C	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	B	Q-5	C
Q-6	A	Q-6	B	Q-6	A	Q-6	B	Q-6	B
Q-7	C					Q-7	C		
Q-8	B								
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 impacted or degraded
Hydrologic Control	Wetland's hydrologic control 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	B	Q-1	B	Q-1	A	Q-1	B
Q-2	A	Q-2	B	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	A	Q-3	B
Q-4	C	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has little enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1I**
Location:	Douglas County	**Approx. Area (acres):**	0.26
Date:	2/5/02	**Wetland Types(s):**	POWx, PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	10-25% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-1J**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.28
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Wildlife Safari		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	C
Q-6	B	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-1	B	Q-1	A	Q-1	C
Q-2	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	A	Q-3	B
Q-4	B	Q-4	A	Q-4	B	Q-4	A
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland has potential for educational use
Recreation	Wetland provides recreational opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-1J**
Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is mostly open space
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Public access to other habitats exist	
Result:	**Wetland provides recreational opportunities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Maintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-2A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM, PFO

Date(s) of field work:	5/2/02	**Approx. Area (acres):**	13.84
Onsite Assessment?:	Partial	**Investigator(s):**	PF, JVS
Wetland Location:	Applegate Creek south of Wildlife Safari		

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	B	Q-1	A	Q-1	C	Q-1	B	Q-1	A
Q-2	C	Q-2	B	Q-2	A	Q-2	A	Q-2	A
Q-3	B	Q-3	C	Q-3	B	Q-3	B	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	C	Q-5	B
Q-6	A	Q-6	B	Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
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 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	B	Q-1	C	Q-1	C	Q-1	B
Q-2	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	A
Q-5B	B	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-2A**
Location:	Douglas County	**Approx. Area (acres):**	13.84
Date:	5/2/02	**Wetland Types(s):**	PEM, PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	50% or more of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Minor restrictions slow down the water	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily agriculture
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by natural areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-2B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM, POWx

Date(s) of field work:	5/2/02	**Approx. Area (acres):**	1.81
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	Applegate Creek south of Wildlife Safari		

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	**B**	Q-1	**A**
Q-2	**C**	Q-2	**B**	Q-2	**A**	Q-2	**A**	Q-2	**A**
Q-3	**B**	Q-3	**C**	Q-3	**B**	Q-3	**B**	Q-3	**A**
Q-4	**C**	Q-4	**C**	Q-4	**B**	Q-4	**B**	Q-4	**B**
Q-5	**A**	Q-5	**B**	Q-5	**B**	Q-5	**C**	Q-5	**B**
Q-6	**A**	Q-6	**B**	Q-6	**A**	Q-6	**B**	Q-6	**C**
Q-7	**C**					Q-7	**C**		
Q-8	**B**								
Q-9A									
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 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	**B**	Q-1	**C**	Q-1	**C**	Q-1	**B**
Q-2	**B**	Q-2	**A**	Q-2	**C**	Q-2	**B**
Q-3		Q-3	**B**	Q-3	**C**	Q-3	**A**
Q-4	**B**	Q-4	**B**	Q-4	**B**	Q-4	**A**
Q-5B	**B**	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-2B**
Location:	Douglas County	**Approx. Area (acres):**	1.81
Date:	5/2/02	**Wetland Types(s):**	PEM, POWx

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	50% or more of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Minor restrictions slow down the water	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily agriculture
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by natural areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-2C**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	5/2/02	**Approx. Area (acres):**	2.11
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	Applegate Creek south of Wildlife Safari		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	A	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	A	Q-6	A	Q-6	C
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-2C**
Location:	Douglas County	**Approx. Area (acres):**	2.11
Date:	5/2/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Flow out of wetland is restricted	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-3**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	5/2/02	**Approx. Area (acres):**	0.14
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	Drainage to Applegate Creek		

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	A	Q-1	A	Q-1	B	Q-1	B
Q-2	C	Q-2	A	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	C	Q-3	A	Q-3	C	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6	B	Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
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 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	A	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	A
Q-5B	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-3**
Location:	Douglas County	**Approx. Area (acres):**	0.14
Date:	5/2/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is greater than 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	50% or more of stream is shaded	Adjacent Water Quality Limited stream
	Stream is in a natural channel	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is surface flow	Wetland buffer is greater than 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-4A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	5/2/02	**Approx. Area (acres):**	4.42
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	East side of Applegate Creek, south of "Blackberry Creek"		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	B	Q-3		Q-3	A	Q-3	B	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	B
Q-6	A	Q-6		Q-6	A	Q-6	A	Q-6	C
Q-7	C					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-4A**
Location:	Douglas County	**Approx. Area (acres):**	4.42
Date:	5/2/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Minor restrictions slow down the water	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily agriculture
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	Wetland:	LKG-4B
Project Location:	Douglas County	Wetland Type(s):	PEM

Date(s) of field work:	5/2/02	Approx. Area (acres):	0.55
Onsite Assessment?:	Yes	Investigator(s):	PF, JVS
Wetland Location:	East side of Applegate Creek, south of "Blackberry Creek"		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	B	Q-3		Q-3	A	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	B
Q-6	A	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	C		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-4B**
Location:	Douglas County	**Approx. Area (acres):**	0.55
Date:	5/2/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Minor restrictions slow down the water	Open space upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily agriculture
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-5**
Project Location:	Douglas County	**Wetland Type(s):**	PEM
Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.98
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	North of Lookingglass Road		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	A	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is lost or not present
Hydrologic Control	Wetland's hydrologic control 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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-5**
Location:	Douglas County	**Approx. Area (acres):**	0.98
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is lost or not present**	
Rationale:	Primary water source is groundwater	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Flow out of wetland is restricted	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-6**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	0.26
Onsite Assessment?:	Yes	**Investigator(s):**	PF, CR
Wetland Location:	South of Lookingglass Road		

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	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	C	Q-3	C	Q-3	A
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	C	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-6**
Location:	Douglas County	**Approx. Area (acres):**	0.26
Date:	9/12/01	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is precipitation	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is precipitation	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-7**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.28
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, south of Abraham Avenue		

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	B	Q-2	B	Q-2	B
Q-3	C	Q-3	C	Q-3	C	Q-3	B	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5	B	Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6	B	Q-6	A	Q-6	A	Q-6	C
Q-7	C					Q-7	A		
Q-8	B								
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 impacted or degraded
Hydrologic Control	Wetland's hydrologic control 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	B	Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-7**
Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	Adjacent Water Quality Limited stream
	Stream banks are extensively modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Warmwater fish present in stream
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Minor restrictions slow down the water	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow is restricted, but can be restored	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-8**
Project Location:	Douglas County	**Wetland Type(s):**	PFO

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.15
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	East of Brockway Road, north of Lookingglass Creek		

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	A	Q-1	A	Q-1	A
Q-2	B	Q-2		Q-2	A	Q-2	A	Q-2	A
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	A
Q-4	A	Q-4		Q-4	B	Q-4	A	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	B	Q-5	B
Q-6	B	Q-6		Q-6	A	Q-6	C	Q-6	B
Q-7	C					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	A	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-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is not aesthetically pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-8**
Location:	Douglas County	**Approx. Area (acres):**	0.15
Date:	OFF-SITE	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation & ponding	Adjacent land use is primarily agriculture
	Greater than 1 acre of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	Low vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation & ponding
	Wetland floods/ponds in growing season	Open space downslope of development
	Flow out of wetland is restricted	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily agriculture
	Adjacent Water Quality Limited stream	Herbaceous vegetation & ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is not aesthetically pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can't be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-9**
Project Location:	Douglas County	**Wetland Type(s):**	PEM, PFO

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	8.31
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Lookingglass Road		

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	C	Q-1	B	Q-1	B
Q-2	C	Q-2	B	Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3	C	Q-3	B	Q-3	A	Q-3	C
Q-4	C	Q-4	A	Q-4	A	Q-4	C	Q-4	B
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	B		
Q-8	B								
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 impacted or degraded
Hydrologic Control	Wetland's hydrologic control 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	A	Q-1	B
Q-2	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	B	Q-3	A
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	A	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	A

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland has potential for educational use
Recreation	Wetland has the potential to provide recreational activities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-9**
Location:	Douglas County	**Approx. Area (acres):**	8.31
Date:	9/12/01	**Wetland Types(s):**	PEM, PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	25-50% of stream is shaded	No adjacent Water Quality Limited streams
	Only portions of stream are modified	Adjacent land use is primarily agriculture
	<10% of stream has instream structures	Stream does not contain fish
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Wetland is more than 5 acres in size
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	Maintained public access within 250 feet
	No visible hazards to public	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland has the potential to provide recreational activities**	
Rationale:	Maintained public access within 250 feet	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	Unmaintained trails, viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**LKG-10**
Project Location:	Douglas County	**Wetland Type(s):**	PFO

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.12
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, west of Abraham Avenue		

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	**A**	Q-1	**A**	Q-1	**A**	Q-1	**B**
Q-2	**A**	Q-2	**A**	Q-2	**A**	Q-2	**A**	Q-2	**A**
Q-3	**C**	Q-3	**A**	Q-3	**A**	Q-3	**C**	Q-3	**A**
Q-4	**C**	Q-4	**C**	Q-4	**B**	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	**A**	Q-6	**A**	Q-6	**B**	Q-6	**A**
Q-7	**C**					Q-7	**A**		
Q-8	**B**								
Q-9A									
Q-9B	**B**								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Wetland's fish habitat function is intact
Water Quality	Wetland's water-quality function is 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	**B**
Q-2	**A**	Q-2	**B**	Q-2	**C**	Q-2	**A**
Q-3	**A**	Q-3	**A**	Q-3	**C**	Q-3	**A**
Q-4	**C**	Q-4	**B**	Q-4	**B**	Q-4	**A**
Q-5B	**B**	Q-5	**C**	Q-5	**B**	Q-5	**A**
Q-6	**B**	Q-6	**A**	Q-6	**B**	Q-6	**B**

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**LKG-10**
Location:	Douglas County	**Approx. Area (acres):**	0.12
Date:	OFF-SITE	**Wetland Types(s):**	PFO

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Dominated by woody vegetation	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is intact**	
Rationale:	50% or more of stream is shaded	Adjacent Water Quality Limited stream
	Stream is in a natural channel	Adjacent land use is primarily agriculture
	>25% of stream has instream structures	Salmon and/or trout present in stream
Result:	**Wetland's water-quality function is intact**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control function is intact**	
Rationale:	Wetland is within 100 year floodplain	Dominated by woody vegetation
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water is taken out or isolated wetland	Adjacent zoning is primarily development
	Adjacent Water Quality Limited stream	Dominated by woody vegetation
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by natural areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	2.57
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1A**
Location:	Douglas County	**Approx. Area (acres):**	2.57
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	2.07
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1B**
Location:	Douglas County	**Approx. Area (acres):**	2.07
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1C**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.18
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1C**
Location:	Douglas County	**Approx. Area (acres):**	0.18
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Minor restrictions slow down the water	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1D**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	1.66
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1D**
Location:	Douglas County	**Approx. Area (acres):**	1.66
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1E**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.28
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1E**
Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1F**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.13
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1F**
Location:	Douglas County	**Approx. Area (acres):**	0.13
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1G**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.08
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1G**
Location:	Douglas County	**Approx. Area (acres):**	0.08
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1H**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.25
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1H**
Location:	Douglas County	**Approx. Area (acres):**	0.25
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1I**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.15
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1I**
Location:	Douglas County	**Approx. Area (acres):**	0.15
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1J**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.08
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1J**
Location:	Douglas County	**Approx. Area (acres):**	0.08
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1K**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.23
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1K**
Location:	Douglas County	**Approx. Area (acres):**	0.23
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-1L**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.12
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, east of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-1L**
Location:	Douglas County	**Approx. Area (acres):**	0.12
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-2A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	1.39
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, east of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-2A**
Location:	Douglas County	**Approx. Area (acres):**	1.39
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-2B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM
Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	1.21
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, west of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-2B**
Location:	Douglas County	**Approx. Area (acres):**	1.21
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-2C**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.16
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, east of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-2C**
Location:	Douglas County	**Approx. Area (acres):**	0.16
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-2D**
Project Location:	Douglas County	**Wetland Type(s):**	PEM
Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.18
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 42, east of Brockway Road		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-2D**
Location:	Douglas County	**Approx. Area (acres):**	0.18
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Isolated from other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-2E**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.40
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, east of Brockway Road		

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	A	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	C	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	A	Q-2	C	Q-2	A
Q-3	A	Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-2E**
Location:	Douglas County	**Approx. Area (acres):**	0.40
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow into wetland is not restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-3A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.28
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, west of Abraham Avenue		

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	A	Q-1	A	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	C	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	B
Q-5	A	Q-5		Q-5	B	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	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-3	B	Q-3	C	Q-3	B
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-3A**
Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Development downslope of wetland
	Minor restrictions slow down the water	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is surface flow	Wetland buffer is less than 10%
	Flow is restricted, but can be restored	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-3B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFF-SITE	**Approx. Area (acres):**	0.02
Onsite Assessment?:	No	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, west of Abraham Avenue		

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	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3		Q-3	A	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	B	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	B
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	B
Q-6	B	Q-6	A	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-3B**
Location:	Douglas County	**Approx. Area (acres):**	0.02
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land use is primarily agriculture
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	1 or 2 visible safety hazards	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Unpleasant odors are present sometimes
	Visual detractors present, can be removed	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-4**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	0.13
Onsite Assessment?:	Yes	**Investigator(s):**	PF, CR
Wetland Location:	North of Highway 42, west of Civil Bend Road		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	C	Q-3		Q-3	C	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	C	Q-4	C	Q-4	A
Q-5	B	Q-5		Q-5	A	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	A	Q-6	C
Q-7	A					Q-7	A		
Q-8	C								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 little enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-4**
Location:	Douglas County	**Approx. Area (acres):**	0.13
Date:	9/12/01	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is lost or not present**	
Rationale:	Primary water source is groundwater	Isolated from other wetlands
	Wetland does not flood or pond	Adjacent land is mostly developed
	Low vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control function is lost or not present**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Development downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-5**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.07
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	East of Highway 99, south of Thompson Street		

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	A	Q-1	A	Q-1	A	Q-1	A
Q-2	C	Q-2	B	Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3	A	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	C	Q-4	B	Q-4	C	Q-4	A
Q-5	A	Q-5	C	Q-5	A	Q-5	C	Q-5	B
Q-6	A	Q-6	C	Q-6	A	Q-6	B	Q-6	C
Q-7	C					Q-7	A		
Q-8	C								
Q-9A									
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 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	B	Q-1	C	Q-1	C	Q-1	C
Q-2	A	Q-2	A	Q-2	C	Q-2	B
Q-3	C	Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	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 little enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-5**
Location:	Douglas County	**Approx. Area (acres):**	0.07
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	Adjacent Water Quality limited stream
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	50% or more of stream is shaded	Adjacent Water Quality Limited stream
	Only portions of stream are modified	Adjacent land is mostly developed
	>25% of stream has instream structures	Stream does not contain fish
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is surface flow	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	Moderate vegetation cover	Adjacent Water Quality Limited stream
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily agriculture
	Adjacent Water Quality Limited stream	Herbaceous vegetation, no ponding
Result:	**Wetland has little enhancement potential**	
Rationale:	One or more functions lost/not present	Wetland is less than 0.5 acres
	Primary water source is surface flow	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	Fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-6**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	2/5/02	**Approx. Area (acres):**	0.80
Onsite Assessment?:	Yes	**Investigator(s):**	PF, JVS
Wetland Location:	East of Highway 99, west end of Winston Road		

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	B	Q-1		Q-1	C	Q-1	B	Q-1	B
Q-2	C	Q-2		Q-2	C	Q-2	C	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	B	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	B	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-6**
Location:	Douglas County	**Approx. Area (acres):**	0.80
Date:	2/5/02	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland does not flood or pond	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland does not flood or pond	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	One or more functions lost/not present	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-7A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	0.10
Onsite Assessment?:	Yes	**Investigator(s):**	PF, CR
Wetland Location:	East of Highway 99, east side of Gregory Avenue		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	C
Q-5	A	Q-5		Q-5	C	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	A								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	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-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-7A**
Location:	Douglas County	**Approx. Area (acres):**	0.10
Date:	9/12/01	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Minor restrictions slow down the water	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	No access or observation of other habitats	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-7B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	0.06
Onsite Assessment?:	Yes	**Investigator(s):**	PF, CR
Wetland Location:	East of Highway 99, east side of Gregory Avenue		

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	C	Q-1	B	Q-1	A
Q-2	C	Q-2		Q-2	A	Q-2	A	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	B	Q-4	C
Q-5	A	Q-5		Q-5	C	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	A								
Q-9A									
Q-9B	C								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	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-5B	C	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 moderate potential for enhancement
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-7B**
Location:	Douglas County	**Approx. Area (acres):**	0.06
Date:	9/12/01	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Class with less than 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is primarily open space
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is primarily open space
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is not within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Development downslope of wetland
	Minor restrictions slow down the water	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land is primarily open space
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has moderate potential for enhancement**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	No access or observation of other habitats	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-8**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	0.12
Onsite Assessment?:	Yes	**Investigator(s):**	PF, CR
Wetland Location:	South of Brosi Orchard Road		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	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-5B	B	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-8**
Location:	Douglas County	**Approx. Area (acres):**	0.12
Date:	9/12/01	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	No access or observation of other habitats	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	Visual detractors present, can be removed	Some traffic and natural noises are present

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-9**
Project Location:	Douglas County	**Wetland Type(s):**	PEM, PSS, PFO, POWx

Date(s) of field work:	9/12/01	**Approx. Area (acres):**	1.98
Onsite Assessment?:	Yes	**Investigator(s):**	PF, CR
Wetland Location:	South of Highway 99 at west edge of RV Park		

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	C	Q-1	A	Q-1	B
Q-2	C	Q-2	C	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	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	B	Q-6	C
Q-7	A					Q-7	B		
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 impacted or degraded
Hydrologic Control	Wetland's hydrologic control 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	B
Q-2	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	C	Q-4	B	Q-4	B
Q-5B	C	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	A	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 or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-9**
Location:	Douglas County	**Approx. Area (acres):**	1.98
Date:	9/12/01	**Wetland Types(s):**	PEM, PSS, PFO, POW:

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land is mostly developed
	Less than 0.5 acres of open water	Wetland buffer is less than 10%
Result:	**Wetland's fish habitat function is impacted or degraded**	
Rationale:	Less than 25% of stream is shaded	No adjacent Water Quality Limited streams
	Stream banks are extensively modified	Adjacent land is mostly developed
	<10% of stream has instream structures	Stream does not contain fish
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Wetland floods/ponds in growing season	Adjacent land is mostly developed
	High wetland vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Wetland floods/ponds in growing season	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land is mostly developed
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is less than 10%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	No access point to wetland exists
	No visible hazards to public	Wetland is limited mobility accessible
	No access or observation of other habitats	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	Two Cowardin classes visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-10A**
Project Location:	Douglas County	**Wetland Type(s):**	PEM, POWx

Date(s) of field work:	OFFSITE	**Approx. Area (acres):**	1.63
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	North of Highway 99, east of road to Wildlife Safari		

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	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	A	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 or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-10A**
Location:	Douglas County	**Approx. Area (acres):**	1.63
Date:	OFFSITE	**Wetland Types(s):**	PEM, POWx

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	More than one Cowardin class	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland has potential for educational use**	
Rationale:	Wetland access by landowner permission	No access point to wetland exists
	No visible hazards to public	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Continuous traffic and natural noises occur

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Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-10B**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFFSITE	**Approx. Area (acres):**	0.94
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	North of Highway 99, east of road to Wildlife Safari		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	B	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	B	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-10B**
Location:	Douglas County	**Approx. Area (acres):**	0.94
Date:	OFFSITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is between 0.5 and 5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-10C**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFFSITE	**Approx. Area (acres):**	9.31
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	North of Highway 99, east of road to Wildlife Safari		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	B
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	B	Q-3		Q-3	B	Q-3	A	Q-3	C
Q-4	C	Q-4		Q-4	A	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	B		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	A
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	A	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	Q-5	C	Q-5	B	Q-5	A
Q-6	B	Q-6	A	Q-6	B	Q-6	B

Results:

Enhancement Potential	Wetland has high enhancement potential
Education	Wetland site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-10C**
Location:	Douglas County	**Approx. Area (acres):**	9.31
Date:	OFFSITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Wetland is more than 5 acres in size
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Agriculture upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream not modified	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is greater than 5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	>50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Continuous traffic and natural noises occur

Oregon Freshwater Wetland Assessment Methodology

(Revised Edition, April 1996)

Wetland Assessment Summary Sheet

Pacific Habitat Services, Inc.

Project Name:	Winston LWI	**Wetland:**	**SUM-11**
Project Location:	Douglas County	**Wetland Type(s):**	PEM

Date(s) of field work:	OFFSITE	**Approx. Area (acres):**	0.25
Onsite Assessment?:	No	**Investigator(s):**	PF, JVS
Wetland Location:	South of Highway 99, north of Tokay Street		

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	B	Q-1		Q-1	C	Q-1	A	Q-1	A
Q-2	C	Q-2		Q-2	B	Q-2	B	Q-2	B
Q-3	C	Q-3		Q-3	B	Q-3	C	Q-3	C
Q-4	C	Q-4		Q-4	B	Q-4	C	Q-4	B
Q-5	A	Q-5		Q-5	B	Q-5	C	Q-5	A
Q-6	A	Q-6		Q-6	C	Q-6	B	Q-6	C
Q-7	A					Q-7	A		
Q-8	B								
Q-9A									
Q-9B	B								

Results:

Wildlife Habitat	Wetland provides habitat for some wildlife species
Fish Habitat	Fish habitat was not assessed for this wetland
Water Quality	Wetland's water-quality function is impacted or degraded
Hydrologic Control	Wetland's hydrologic control is impacted or degraded
Sensitivity to Impact	Wetland is potentially sensitive to future impacts

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	B	Q-2	A	Q-2	C	Q-2	B
Q-3		Q-3	B	Q-3	C	Q-3	A
Q-4	C	Q-4	B	Q-4	B	Q-4	B
Q-5B	B	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 site is not appropriate for educational use
Recreation	Wetland is not appropriate or does not provide rec. opportunities
Aesthetic Quality	Wetland is considered to be moderately pleasing

Oregon Freshwater Wetland Assessment Methodology
Functions and Conditions Summary Sheet

Project:	Winston LWI	**Wetland:**	**SUM-11**
Location:	Douglas County	**Approx. Area (acres):**	0.25
Date:	OFFSITE	**Wetland Types(s):**	PEM

Result:	**Wetland provides habitat for some wildlife species**	
Rationale:	One Cowardin class with > 5 species	No adjacent Water Quality limited streams
	Herbaceous vegetation, no ponding	Adjacent land use is primarily agriculture
	Less than 0.5 acres of open water	Wetland buffer is between 10% and 40%
Result:	**Fish habitat was not assessed for this wetland**	
Rationale:		
Result:	**Wetland's water-quality function is impacted or degraded**	
Rationale:	Primary water source is groundwater	Surface water connection to other wetlands
	Can't determine if wetland floods or ponds	Adjacent land use is primarily agriculture
	Moderate vegetation cover	No adjacent Water Quality Limited streams
Result:	**Wetland's hydrologic control is impacted or degraded**	
Rationale:	Wetland is within 100 year floodplain	Herbaceous vegetation, no ponding
	Can't determine if wetland floods or ponds	Agriculture downslope of wetland
	Water has unrestricted flow out of wetland	Development upslope of wetland
Result:	**Wetland is potentially sensitive to future impacts**	
Rationale:	Stream modified or isolated wetland	Adjacent land use is primarily agriculture
	Water not taken out	Adjacent zoning is primarily development
	No adjacent Water Quality Limited streams	Herbaceous vegetation, no ponding
Result:	**Wetland has high enhancement potential**	
Rationale:	Wetland functions are impacted or degraded	Wetland is less than 0.5 acres
	Primary water source is groundwater	Wetland buffer is between 10% and 40%
	Water flow is permanently restricted	Potentially sensitive to future impacts
Result:	**Wetland site is not appropriate for educational use**	
Rationale:	No access allowed to wetland	No access point to wetland exists
	No visible hazards to public	Wetland is not limited mobility accessible
	Other habitats can be observed not accessed	
Result:	**Wetland is not appropriate or does not provide rec. opportunities**	
Rationale:	No access point to wetland exists	Wetland provides habitat for some wildlife
	No boat launching can be developed	No fishing is allowed
	No trails or viewing areas exist	No hunting is allowed
Result:	**Wetland is considered to be moderately pleasing**	
Rationale:	One Cowardin class is visible	Wetland surrounded by landscaped areas
	25 - 50% of wetland can be seen	Natural odors present at wetland
	No visual detractors are present	Some traffic and natural noises are present

Appendix E

Significant Wetland Determination Sheets



Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1A**
Project Location:	Douglas County	**Approx. Area (acres):**	2.28
Date:	2/5/02	**Wetland Types(s):**	POWx, PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1B**
Project Location:	Douglas County	**Approx. Area (acres):**	0.3
Date:	2/5/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1C**
Project Location:	Douglas County	**Approx. Area (acres):**	0.13
Date:	2/5/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1D**
Project Location:	Douglas County	**Approx. Area (acres):**	0.41
Date:	2/5/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	LKG-1E
Project Location:	Douglas County	Approx. Area (acres):	0.35
Date:	2/5/02	Wetland Types(s):	PEM

Exclusions: **This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria: **This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria: **local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	LKG-1F
Project Location:	Douglas County	Approx. Area (acres):	0.65
Date:	2/5/02	Wetland Types(s):	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1G**
Project Location:	Douglas County	**Approx. Area (acres):**	4.87
Date:	2/5/02	**Wetland Types(s):**	PEM, POWx, PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1H**
Project Location:	Douglas County	**Approx. Area (acres):**	0.11
Date:	2/5/02	**Wetland Types(s):**	PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-1I**
Project Location:	Douglas County	**Approx. Area (acres):**	0.26
Date:	2/5/02	**Wetland Types(s):**	POWx, PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	LKG-1J
Project Location:	Douglas County	Approx. Area (acres):	0.28
Date:	2/5/02	Wetland Types(s):	PEM

Exclusions: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria: This wetland is locally significant if "Yes" is the answer to any of the criteria below.		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-2A**
Project Location:	Douglas County	**Approx. Area (acres):**	13.84
Date:	5/2/02	**Wetland Types(s):**	PEM, PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-2B**
Project Location:	Douglas County	**Approx. Area (acres):**	1.81
Date:	5/2/02	**Wetland Types(s):**	PEM, POWx

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-2C**
Project Location:	Douglas County	**Approx. Area (acres):**	2.11
Date:	5/2/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-3**
Project Location:	Douglas County	**Approx. Area (acres):**	0.14
Date:	5/2/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-4A**
Project Location:	Douglas County	**Approx. Area (acres):**	4.42
Date:	5/2/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-4B**
Project Location:	Douglas County	**Approx. Area (acres):**	0.55
Date:	5/2/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-5**
Project Location:	Douglas County	**Approx. Area (acres):**	0.98
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-6**
Project Location:	Douglas County	**Approx. Area (acres):**	0.26
Date:	9/12/01	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-7**
Project Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?	Yes	
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-8**
Project Location:	Douglas County	**Approx. Area (acres):**	0.15
Date:	OFF-SITE	**Wetland Types(s):**	PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	LKG-9
Project Location:	Douglas County	Approx. Area (acres):	8.31
Date:	9/12/01	Wetland Types(s):	PEM, PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**LKG-10**
Project Location:	Douglas County	**Approx. Area (acres):**	0.12
Date:	OFF-SITE	**Wetland Types(s):**	PFO

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?	Yes	
3 Is the wetland's *water quality function intact* ?	Yes	
4 Is the wetland's *hydrologic control function intact* ?	Yes	
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?	Yes	
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1A**
Project Location:	Douglas County	**Approx. Area (acres):**	2.57
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-1B
Project Location:	Douglas County	Approx. Area (acres):	2.07
Date:	OFF-SITE	Wetland Types(s):	PEM

Exclusions : This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria : This wetland is locally significant if "Yes" is the answer to any of the criteria below.		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria : local governments may identify a wetland as significant if "Yes" is the answer to the criteria below		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1C**
Project Location:	Douglas County	**Approx. Area (acres):**	0.18
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions : **This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria : **This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria : **local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-1D
Project Location:	Douglas County	Approx. Area (acres):	1.66
Date:	OFF-SITE	Wetland Types(s):	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1E**
Project Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-1F
Project Location:	Douglas County	Approx. Area (acres):	0.13
Date:	OFF-SITE	Wetland Types(s):	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1G**
Project Location:	Douglas County	**Approx. Area (acres):**	0.08
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1H**
Project Location:	Douglas County	**Approx. Area (acres):**	0.25
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-1I
Project Location:	Douglas County	Approx. Area (acres):	0.15
Date:	OFF-SITE	Wetland Types(s):	PEM

Exclusions : **This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria : **This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria : **local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1J**
Project Location:	Douglas County	**Approx. Area (acres):**	0.08
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1K**
Project Location:	Douglas County	**Approx. Area (acres):**	0.23
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-1L**
Project Location:	Douglas County	**Approx. Area (acres):**	0.12
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-2A
Project Location:	Douglas County	Approx. Area (acres):	1.39
Date:	OFF-SITE	Wetland Types(s):	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-2B
Project Location:	Douglas County	Approx. Area (acres):	1.21
Date:	OFF-SITE	Wetland Types(s):	PEM

Exclusions : **This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria : **This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria : **local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-2C**
Project Location:	Douglas County	**Approx. Area (acres):**	0.16
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-2D**
Project Location:	Douglas County	**Approx. Area (acres):**	0.18
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-2E**
Project Location:	Douglas County	**Approx. Area (acres):**	0.40
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-3A**
Project Location:	Douglas County	**Approx. Area (acres):**	0.28
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-3B**
Project Location:	Douglas County	**Approx. Area (acres):**	0.02
Date:	OFF-SITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-4**
Project Location:	Douglas County	**Approx. Area (acres):**	0.13
Date:	9/12/01	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-5**
Project Location:	Douglas County	**Approx. Area (acres):**	0.07
Date:	2/5/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?	Yes	
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-6**
Project Location:	Douglas County	**Approx. Area (acres):**	0.8
Date:	2/5/02	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?	Yes	
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?	**Yes**	

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-7A
Project Location:	Douglas County	Approx. Area (acres):	0.1
Date:	9/12/01	Wetland Types(s):	PEM

Exclusions : **This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria : **This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria : **local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-7B**
Project Location:	Douglas County	**Approx. Area (acres):**	0.06
Date:	9/12/01	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-8**
Project Location:	Douglas County	**Approx. Area (acres):**	0.12
Date:	9/12/01	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-9**
Project Location:	Douglas County	**Approx. Area (acres):**	1.98
Date:	9/12/01	**Wetland Types(s):**	PEM, PSS, PFO, POW

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat*?		No
2 Is the wetland's *fish habitat function intact*?		No
3 Is the wetland's *water quality function intact*?		No
4 Is the wetland's *hydrologic control function intact*?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded*?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded*?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function*.		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses*?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-10A**
Project Location:	Douglas County	**Approx. Area (acres):**	1.63
Date:	OFFSITE	**Wetland Types(s):**	PEM, POWx

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	**Wetland:**	**SUM-10B**
Project Location:	Douglas County	**Approx. Area (acres):**	0.94
Date:	OFFSITE	**Wetland Types(s):**	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-10C
Project Location:	Douglas County	Approx. Area (acres):	9.31
Date:	OFFSITE	Wetland Types(s):	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Locally Significant Wetlands Criteria

ORS 197.279 (3)(b)

Project Name:	Winston LWI	Wetland:	SUM-11
Project Location:	Douglas County	Approx. Area (acres):	0.25
Date:	OFFSITE	Wetland Types(s):	PEM

Exclusions **: This wetland cannot be designated as significant if the answer to any of the criteria below is "Yes".**		
1 Is this wetland artificially created entirely from upland and:		
a. created for the purpose of controlling, storing, or maintaining stormwater		No
b. is used for active surface mining or as a log pond		No
c. is a ditch without a free and open connection to natural waters of the state		No
d. is less than 1 acre and created unintentionally from irrigation or construction		No
e. created for the purpose of wastewater treatment, cranberry production, farm watering, sediment settling, cooling industrial water, or a golf hazard		No
2 Is the wetland or portion of the wetland contaminated by hazardous substances, materials or wastes as per the conditions of ORS 141-86-350 1(b)		No
Exclusion criteria satisfied?		**No**

Mandatory Locally Significant Wetland Criteria **: This wetland is locally significant if "Yes" is the answer to any of the criteria below.**		
1 Does the wetland provide *diverse wildlife habitat* ?		No
2 Is the wetland's *fish habitat function intact* ?		No
3 Is the wetland's *water quality function intact* ?		No
4 Is the wetland's *hydrologic control function intact* ?		No
5 Is the wetland less than 1/4 mile from a water body listed by DEQ as a water quality limited water body (303(d) list) and is the wetland's *water quality function intact, or impacted or degraded* ?		No
6 Does the wetland contain a rare plant community?		No
7 Is the wetland inhabited by any species listed federally as threatened or endangered, or state listed as sensitive, threatened or endangered?		No
8 Does the wetland have a direct surface water connection to a stream segment mapped by ODFW as habitat for indigenous anadromous salmonids and is the wetland's *fish habitat function intact, or impacted or degraded* ?		No
Mandatory Locally Significant Wetland criteria satisfied ?		**No**

Optional Locally Significant Wetland Criteria **: local governments may identify a wetland as significant if "Yes" is the answer to the criteria below**		
1 Does the wetland represent a locally unique native plant community and provides *diverse wildlife habitat or habitat for some species* or has a *intact, or impacted or degraded fish habitat function* or has a *intact, or impacted or degraded water quality function* or has a *intact, or impacted or degraded hydrologic control function* .		No
2 Is the wetland publicly owned and used by a school or organization and does the wetland provide *educational uses* ?		No
Optional Locally Significant Wetland criteria satisfied ?		**No**

Does not satisfy the criteria, Not a Locally Significant Wetland

Appendix F

Plant List



APPENDIX F

Plant species observed or expected within the City of Winston Local Wetlands Inventory Study Area

Scientific Name	Common Name	R9-Ind.
TREES		
Abies grandis	Grand fir	FACU-
Acer macrophyllum	big leaf maple	FACU
Alnus rubra	red alder	FAC
Arbutus menziesii	Pacific madrone	UPL
Calocedrus decurrens	Incense cedar	UPL
Fraxinus latifolia	Oregon ash	FACW
Pseudotsuga menziesii	Douglas Fir	UPL
Pinus ponderosa	Ponderosa pine	FACU-
Populus trichocarpa	black cottonwood	FAC
Quercus garryana	Oregon white oak	UPL
Salix lasiandra	Pacific willow	FACW+
Salix scouleriana	Scouler's willow	FAC
Thuja plicata	western red cedar	FAC
SHRUBS		
Acer circinatum	vine maple	FAC-
Amelanchier alnifolia	Saskatoon serviceberry	FACU
Berberis aquifolium	Tall Oregon grape	UPL
Ceanothus sanguineus	Redstem ceanothus	UPL
Cornus stolonifera	red osier dogwood	FACW
Corylus cornuta	beaked hazel-nut	FACU
Crataegus douglasii	Douglas' hawthorn	FAC
Crataegus monogyna	ornamental hawthorn	FACU+
Cytisus scoparius	Scot's broom	UPL
Gaultheria shallon	salal	FACU
Hedera helix	English ivy	UPL
Holodiscus discolor	Ocean-spray	UPL
Ilex aquifolium	English holly	UPL
Oemleria cerasiformis	Indian plum	FACU
Philadelphus lewisii	mockorange	UPL
Physocarpus capitatus	Pacific ninebark	FAC
Prunus virginiana	chokecherry	FACU
Rhamnus purshiana	cascara buckthorn	FAC-
Rhododendron occidentale	Western azalea	FAC
Rhus diversiloba	poison oak	UPL
Ribes sanguineum	Red-flowering currant	UPL
Rosa eglanteria	sweetbriar rose	FACW

Scientific Name	Common Name	R9-Ind.
Rosa pisocarpa	clustered rose	FAC
Rubus discolor	Himalayan blackberry	FACU
Rubus laciniatus	evergreen blackberry	FACU+
Rubus leucodermis	Black raspberry	UPL
Rubus parviflorus	western thimbleberry	FAC-
Rubus ursinus	California blackberry	FACU
Salix sitchensis	Sitka willow	FAC
Sambucus racemosa	red elderberry	FACU
Spiraea douglasii	Douglas' spiraea	FACW
Symphoricarpos albus	snowberry	FACU
GRAMINOIDS		
Agrostis alba	redtop	FAC
Agrostis exarata	spike bentgrass	FACW
Agrostis stolonifera	spreading bentgrass	FAC
Agrostis tenuis	colonial bentgrass	FAC
Aira caryophylla	Silver hairgrass	UPL
Alopecurus geniculatus	water foxtail	OBL
Alopecurus pratensis	meadow foxtail	FACW
Anthoxanthum odoratum	sweet vernal grass	FACU
Avena fatua	wild oats	UPL
Beckmannia syzigachne	American sloughgrass	OBL
Briza minor	Little quaking grass	FAC
Bromus carinatus	brome	UPL
Bromus mollis	soft brome	UPL
Bromus rigidus	ripgut brome	UPL
Bromus tectorum	cheatgrass	UPL
Carex densa	dense sedge	OBL
Carex deweyana	short-scale sedge	FACU
Carex feta	green-sheath sedge	FACW
Carex lanuginosa	wooly sedge	OBL
Carex leporina	hare's foot sedge	FACW
Carex obnupta	slough sedge	OBL
Carex pachystachya	thick-head sedge	FAC
Carex X stipata	stalk-grain sedge	OBL
Carex unilateralis	one-sided sedge	FACW
Cynosurus cristatus	crested dogtail	UPL
Cynosurus echinatus	hedgehog dogtail	UPL
Cyperus acuminatus	short point flatsedge	OBL
Cyperus sp.	flatsedge	FACW
Dactylis glomerata	orchard grass	FACU
Danthonia californica	California oatgrass	FACU
Deschampsia cespitosa	tufted hairgrass	FACW

Scientific Name	Common Name	R9-Ind.
Deschampsia danthonioides	Annual hairgrass	FACW-
Echinochloa crus-galli	large barnyard grass	FACW
Eleocharis acicularis	needle spikerush	OBL
Eleocharis ovata	ovate spikerush	OBL
Eleocharis palustris	common spikerush	OBL
Elymus glaucus	blue wild-rye	FACU
Festuca arundinacea	Kentucky fescue	FAC-
Festuca megalura	foxtail fescue	UPL
Festuca rubra	red fescue	FAC
Glyceria borealis	Northern manna grass	OBL
Glyceria elata	tall manna grass	FACW+
Glyceria occidentalis	northwestern manna grass	OBL
Holcus lanatus	common velvet grass	FAC
Hordeum brachyantherum	meadow barley	FACW-
Hordeum jubatum	Foxtail barley	FAC
Juncus acuminatus	tapered rush	OBL
Juncus bolanderi	Bolander's rush	OBL
Juncus bufonius	toad rush	FACW
Juncus effusus	soft rush	FACW
Juncus ensifolius	three-stamen rush	FACW
Juncus oxymeris	pointed rush	FACW+
Juncus patens	Spreading rush	FACW-
Juncus tenuis	slender rush	FACW-
Lolium multiflorum	Italian ryegrass	UPL
Lolium perenne	Perennial ryegrass	FACU
Luzula campestris	field woodrush	FACU
Panicum capillare	witchgrass	FACU+
Paspalum distichum	knotgrass	FACW
Phalaris arundinacea	reed canary grass	FACW
Poa annua	annual bluegrass	FAC
Poa pratensis	Kentucky bluegrass	FAC
Poa trivialis	rough bluegrass	FACW
Polypogon monspeliensis	rabbit's foot	FACW
Scirpus microcarpus	small-fruit bulrush	OBL
Scirpus validus	soft-term bulrush	OBL
Taeniatherum caput-medusae	Medusa-head wildrye	UPL
Typha latifolia	broad-leaf cattail	OBL
Vulpia myuros	rat-tail fescue	FAC

Scientific Name	Common Name	R9-Ind.
FORBS		
Achillea millefolium	yarrow	FACU
Alisma plantago-aquatica	Broadleaved water plantain	OBL
Allium amplectens	Slim-leaf onion	NOL
Allium vineale	garlic	NOL
Anagallis arvensis	scarlet pimpernel	FAC
Anaphilis margaritacea	pearly everlasting	UPL
Anthemis cotula	Mayweed chamomile	FACU
Aster chilensis ssp. hallii	Hall's aster	FAC
Athyrium filix-femina	subarctic lady fern	FAC
Bellis perennis	English daisy	UPL
Bidens frondosa	devil's beggar tick	FACW+
Boisduvalia densiflora	Dense spike-primrose	FACW-
Brassica campestris	field mustard	UPL
Brodiaea hyacinthina	Hyacinth brodiaea	NOL
Callitriche stagnalis	water starwort	OBL
Camassia quamash	common camas	FACW
Camassia leichtlinii var. leichtlinii	Leichtlin's camas	FACW-
Cardamine oligosperma	few-seed bittercress	FAC
Cardamine pulcherrima	Slender toothwort	UPL
Centaurea pratensis	Meadow knapweed	UPL
Centaurium umbellatum	common centaury	FAC
Cerastium vulgatum	mouse-ear chickweed	FACU
Chrysanthemum leucanthemum	oxeye daisy	UPL
Cichorium intybus	chickory	UPL
Cicuta douglasii	Western water hemlock	OBL
Circaea alpina	enchanters nightshade	FAC+
Cirsium arvense	Canada thistle	FACU+
Cirsium vulgare	bull thistle	FACU
Cicuta maculata	spotted water hemlock	NI
Claytonia sibirica	Siberian spring beauty	FAC
Conium maculatum	poison hemlock	FAC+
Convolvulus arvensis	field morning-glory	UPL
Crepis setosa	hawksbeard	UPL
Cuscuta sp.	Field dodder	UPL
Daucus carota	Queen Anne's lace	UPL
Digitalis purpurea	foxglove	FACU
Dipsacus sylvestris	teasel	FAC
Downingia elegans	common downinga	OBL
Epilobium angustifolium	fireweed	FACU+
Epilobium watsonii [=E. ciliatum]	Watson's willow-herb	FACW-
Equisetum arvense	field horsetail	FAC

Scientific Name	Common Name	R9-Ind.
Equisetum hyemale	Rough horsetail	FACW
Erodium cicutarium	Storks-bill	UPL
Eryngium petiolatum	rush-leaf coyote thistle	OBL
Fragaria virginiana	Virginia strawberry	UPL
Galium aparine	catchweed bedstraw	FACU
Geranium carolinianum	Carolina geranium	UPL
Geranium dissectum	Cut leaf geranium	UPL
Geranium molle	doves-foot geranium	UPL
Geum macrophyllum	Large-leaved avens	FACW-
Gnaphalium palustre	western marsh cudweed	FAC+
Gypsophila paniculata	baby's breath	NOL
Hydrocotyle ranunculoides	floating penny-wort	OBL
Hypericum anagalloides	bog St. John's wort	OBL
Hypericum perforatum	common St. John's wort	UPL
Hypochaeris radicata	hairy cats-ear	UPL
Iris tenax	Oregon iris	UPL
Lamium purpureum	red dead nettle	UPL
Lactuca serriola	prickly lettuce	FACU
Lasthenia glaberrima	smooth goldfields	OBL
Lathyrus aphaca	Yellow vetchling	UPL
Lathyrus latifolius	Everlasting peavine	UPL
Lathyrus sphaericus	Grass peavine	UPL
Lemna minor	Duckweed	OBL
Leontodon nudicaulis	hairy hawkbit	UPL
Linum angustifolium	Narrow-leaved flax	UPL
Lotus corniculatus	birds-foot trefoil	FAC
Lotus purshiana	Spanish-clover	UPL
Ludwigia palustris	Marsh seedbox	OBL
Lupinus bicolor	Two-color Lupine	UPL
Lupinus sp.	Lupine	FAC-->UPL
Lythrum hyssopifolia	hyssop loosestrife	OBL
Lythrum portula	spatula-leaf loosestrife	NI
Madia sativa	tarweed	UPL
Matricaria matricarioides	weed pineapple	FACU
Melilotus alba	white sweet-clover	FACU
Mentha arvensis	field mint	FACW-
Mentha pulegium	pennyroyal	OBL
Montia linearis	line-leaved montia	NOL
Myosotis discolor	yellow and blue forget- me- not	FACW
Navarretia intertexta	needle-leaf navarretia	FACW
Oenanthe sarmentosa	water-parsley	OBL
Parentucellia viscosa	yellow parentucellia	FAC-

Scientific Name	Common Name	R9-Ind.
Phacelia heterophylla	Varileaf phacelia	FACU
Plagiobothrys figuratus	fragrant popcorn flower	FACW
Plagiobothrys hirtus	rough popcorn flower	OBL
Plantago lanceolata	English plantain	FAC
Plantago major	common plantain	FACU+
Polygonum aviculare	prostrate knotweed	FACW-
Polygonum hydropiperoides	Swamp smartweed	OBL
Polygonum persicaria	Ladysthumb	FACW
Polystichum munitum	sword fern	FACU
Potamogeton natans	floating pondweed	OBL
Potentilla gracilis	northwest cinquefoil	FAC
Prunella vulgaris	heal-all	FACU+
Pteridium aquilinum	bracken fern	FACU
Ranunculus acris	tall buttercup	FACW-
Ranunculus orthorhynchus	straight beak buttercup	FACW
Ranunculus repens	creeping buttercup	FACW
Ranunculus sceleratus	celery-leaf buttercup	OBL
Ranunculus uncinatus	Little buttercup	FAC-
Rorippa curvisiliqua	Curve-pod yellowcress	OBL
Rorippa nasturtium-aquatica	Watercress	OBL
Rotala ramosier	toothcup	OBL
Rumex acetosella	sour dock	FACU+
Rumex crispus	curly dock	FAC+
Rumex salicifolius	willow-leaved dock	FACW
Sanicula crassicaulis	Pacific sanicle	UPL
Senecio jacobaea	Tansy ragwort	FACU
Senecio vulgaris	Common groundsel	FACU
Sidalcea campestris	meadow sidalcea	NI
Sisyrinchium idahoense	Idaho blue-eyed grass	FACW
Smilacina racemosa	feather false-solomon's seal	FAC-
Solanum dulcamara	climbing nightshade	FAC+
Sonchus asper	prickly sowthistle	FAC-
Stachy's cooleyae	Cooley's hedgenettle	FACW
Stellaria media	common chickweed	FACU
Taraxacum officinale	common dandelion	FACU
Tellima grandiflora	fringecup	UPL
Tolmiea menziesii	piggy-back plant	FAC
Trifolium angustifolium	Narrow leaved clover	UPL
Trifolium arvense	Hairs-foot clover	UPL
Trifolium dubium	hop clover	UPL
Trifolium pratense	red clover	FACU
Trifolium repens	white clover	FAC

Scientific Name	Common Name	R9-Ind.
Trifolium subterraneum	subterranean clover	-NOL-
Trillium ovatum	western trillium	NI
Urtica dioica	stinging nettle	FAC+
Verbascum blatteria	Moth-mullein	UPL
Verbascum thapsus	Mullein	UPL
Veronica americana	American speedwell	OBL
Veronica scutellata	marsh speedwell	OBL
Vicia americana	American purple vetch	FAC
Vicia cracca	Bird vetch	UPL
Vicia gigantia	Giant vetch	NOL
Vicia hirsuta	Tiny vetch	UPL
Vicia sativa	Common vetch	UPL
Vicia tetrasperma	Slender vetch	UPL
Wyethia angustifolia	Narrow-leaf mule's-ears	FACU
Xanthium strumarium	rough cockle-bur	FAC
Zigadenus venenosus	Meadow death-camas	FACU