# LOCAL WETLAND INVENTORY
# WITHIN THE FOREST GROVE
# URBAN GROWTH PLANNING AREA

**Prepared for**

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## 1.0 INTRODUCTION AND APPROACH

Scientific Resources, Inc. (SRI), contracted with the City of Forest Grove to prepare a *Local Wetlands Inventory* within the approximately 4,000 acre, City of Forest Grove urban growth planning area. The purpose of the study was to identify wetlands for landowners and developers to facilitate proper land use decisions and provide information to the City for effective management of its natural resources, including compliance with State and Federal policy on wetlands. This study was funded, in part, by a grant from the Department of Land Conservation and Development.

This report was prepared using the standards and guidelines of the *Local Wetlands Inventory* (LWI) as specified by the Oregon Division of State Lands (DSL), in accordance with ORS 196.674. The information contained in this report is intended to be used in place of the National Wetlands Inventory (NWI) and will be incorporated into the Statewide Wetlands Inventory. No wetland functions and values assessment was conducted for this study, the information is not sufficient to fulfill Goal 5 requirements for wetlands within the Urban Growth Boundary. In addition, this study did not involve a formal delineation of wetland boundaries and therefore does not contain detail sufficient for regulatory certainty under the State Removal-Fill law, or through the Section 404 permit process.

SRI conducted the wetland identification in June and July, 1991, using the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands* (Federal Interagency Committee for Wetland Delineation, 1989) and the "*Corps of Engineers Wetlands Delineation Manual*," Technical Report Y-87-1 (Environmental Laboratory 1987) as our main source documents. As of this writing, the 1989 Federal Manual is recognized by the Oregon Division of State Lands for the determination of jurisdictional wetland, and the 1987 manual is recognized by the U.S. Army Corps of Engineers, pending review of the revised 1991 Federal Manual.

## 2.0 DEFINITIONS

Wetlands are defined separately at the federal level for various laws, regulations, and programs. At the federal level, four agencies are involved with wetland identification and delineation. The U.S. Army Corps of Engineers (COE) and the U.S. Environmental Protection Agency (EPA), for administering Section 404 of the Clean Water Act, define wetland as:

*"Those areas that are inundated or saturated by surface or groundwater at a frequency or duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas."* (FICWD 1989)

The U.S.D.A. Soil Conservation Service (SCS) uses a similar definition of wetland but for identification purposes under the Food Security Act of 1985 "Swampbuster" provision. The application of the definition primarily targets agricultural lands where farmer eligibility for this program's benefits are concerned:

*Wetlands are defined as areas that have a predominance of hydric soils and that are inundated or saturated by surface or groundwater at a frequency of duration sufficient to support, and under normal circumstances do support, a prevalence of hydrophytic vegetation typically adapted to life in saturated soil conditions, except lands in Alaska identified as having a high potential for agricultural development and predominance of permafrost soils."* (FICWD 1989)

The U.S. Fish and Wildlife Service (FWS) conducts inventories of the nation's wetlands and for that purpose defines wetlands as follows:

*"Wetlands are lands transitional between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. For purpose of this classification ["Classification of Wetlands and Deepwater Habitats of the United States" (Cowardin, et al. 1979)], wetlands must have one or more of the following three attributes: (1) at least periodically, the land supports predominantly hydrophytes, (2) the substrate is predominantly undrained hydric soil, and (3) the substrate is nonoily and is saturated with water or covered by shallow water at some time during the growing season of each year."* (FICWD 1989)

Like the COE, EPA, and SCS definitions, the FWS definition encompasses hydrophytic vegetation, hydric soils, and hydrology, but expands the term wetland to include shallow aquatic areas, where all three mandatory criteria may not be visually evident, but are assumed to be present. Specifically, in freshwater systems the lower boundary of wetlands, from terrestrial to true aquatic habitats, is usually above water depths of 6.6 feet. In summary, all four agencies recognize that wetlands have three primary components: sufficient hydrology during the growing season; a predominance of hydrophytic vegetation; and hydric soils.

As mentioned above, two manuals are currently used to define jurisdictional wetlands within Oregon. The COE uses the 1987 manual, while DSL uses the 1989 manual. Both manuals require three technical criteria in undisturbed situations before areas can be considered wetland under federal and state jurisdiction. These criteria are hydric soils, hydrophytic vegetation, and wetland hydrology. The wetland identification criteria are as follows:

*Wetland Vegetation Criteria.* Generally, an area has hydrophytic vegetation, and therefore meets the wetland vegetation criteria, when more than 50 percent of the dominant species from all strata are classified as wetland species. The FWS, in cooperation with the COE, EPA, and SCS, has compiled a list of plants (for Region 9 which includes Oregon) that are found in wetlands. Based on the frequency that a plant is usually found in wetlands, each species was assigned an indicator status of either facultative upland (FACU) if the plant is occasionally found in wetlands (1-33% estimated probability), facultative (FAC) if equally likely to occur in uplands or wetlands (34-66%), facultative wetland (FACW) if the plant usually occurs in wetlands (66-99%), or obligate wetland (OBL) if almost always occurring in wetlands (99%) (Reed 1988).

*Hydric Soils Criteria.* The National Technical Committee on Hydric Soils (NTCHS) has established criteria for identifying soils that have developed certain characteristics in

response, over time, to saturated soil conditions sufficient to support the growth and regeneration of hydrophytic vegetation. Hydric soils are soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part (SCS 1987). All organic soils (Histosols, except Folists) are hydric, as are mineral soils in Aquic suborders, aquic subgroups, Albolls suborder, Salorthids great group, or Pell great groups of Vertisols that are: a) somewhat poorly drained and have a water table less than 0.5 feet from the surface for a week or more during the growing season; b) poorly drained with a water table within 1.0 feet of the surface for a week or more during the growing season; or c) are very poorly drained with a water table less than 1.5 feet of the surface for a week or more during the growing season. Hydric soils include soils that are ponded (standing water as a result of one event) for a period from at least seven days to over one month during the growing season and soils that are frequently flooded (more than 50 percent chance of flooding under normal or usual weather conditions) from seven days to over one month during the growing season.

*Wetland Hydrology Criteria.* The definition of the wetland hydrology criteria differs within the two manuals. The 1987 manual defines wetland hydrology as being inundated or saturated to the surface for at least 5% of the growing season. The definition in the 1989 manual is dependent on soil saturation to the surface for at least one week (seven consecutive days) during the growing season and is related to soil drainage class and soil permeability. In somewhat poorly drained soils, the water table must be above 0.5 feet; in highly permeable, poorly drained or very poorly drained soils, the water table is 1.0 feet or less from the surface; or in low permeability, poorly drained or very poorly drained soils, the water table must be within 1.5 feet of the surface to meet the criteria for wetland hydrology. Poorly drained or very poorly drained organic soils meet the criteria if the water table is usually at a depth where saturation occurs to the surface more than rarely. An area also meets the criteria if it is ponded or frequently flooded with surface water for a week or more during the growing season.

The three criteria, vegetation, soils, and hydrology, must be met if an area is to be determined as wetland. A range of wetland indicators for each of the criteria, collected indirectly from aerial photographs, published maps, and other literature, or collected directly in the field at a particular site, either satisfy the mandatory criteria and the area is wetland or fail the criteria and the area is upland.

*Disturbed and Problem Area Wetlands.* The 1989 Federal Manual also addresses those areas and conditions where and under which one or more of the three mandatory wetland criteria are difficult to confirm using field indicators during an investigation (direct and indirect). Procedures are given for distinguishing wetlands from non-wetlands due to significant disturbance and/or alteration of site conditions such that the determination of the presence or absence of one or more of the criteria on the basis of field indicators is made more difficult due to the disturbance or alteration.

"Disturbed areas" include those sites that have had their hydrologic, soils, or vegetational characteristics significantly altered by human activities or by natural events. Some examples of human activities that can result in significant alteration of one or more of the identification criteria are filling (dumping of fill or dredged material, or the construction of buildings, roadways, or parking lots, etc), land clearing (vegetation removal), tilling

and replanting, diking, and the installation of drainage systems (ditching, culverts for stormwater, etc.).

Natural events that can result in significant disturbance or alteration of an area include events such as beaver activity, mudslides, or fire. Aerial photographs (historic and present), USFWS Wetland Inventory maps, soil surveys, personal communication with land owners or other knowledgeable persons, and previous site inspection reports are often used to determine both site conditions prior to any disturbance or alteration and to establish the date(s) when any such activities or events occurred.

"Problem areas" include (but are not limited to) those areas where vegetation "normally" associated with upland situations (e.g., FACU species) become established as dominants in areas having hydric soils and wetland hydrology. Examples are certain evergreen forested wetlands, wetlands on glacial till, and interdunal swales or deflation plains. Under normal circumstances, conditions or processes such as seasonal surface water or ground water fluctuations or changes in vegetational communities, some areas may lack field indicators of one or more of the wetland criteria, thereby making a wetland determination difficult. Artificial wetlands (e.g., wetland mitigation areas) are also considered problem areas.

## 3.0 METHODS

### 3.1 Source Material

The main source documents used in our investigation were the *Federal Manual for Identifying and Delineating Jurisdictional Wetlands* (Federal Interagency Committee for Wetland Delineation, 1989) and the "*Corps of Engineers Wetlands Delineation Manual*," Technical Report Y-87-1 (Environmental Laboratory 1987). Other sources of information used in site analysis included U.S. Geological Survey Topographical Quadrangles (USGS Forest Grove, Oregon, 7.5 minute series, 1956, photorevised 1975; and Gales Creek, 7.5 minute 1979), a set of more detailed two-foot contour ortho-photographs (David Smith; 1 inch = 100 feet; May, 1977), U.S. Fish and Wildlife Service *National Wetlands Inventory* map (Forest Grove, Oregon, 7.5 minute series, 1982; and Gales Creek, 7.5 minute 1979), U.S. Soil Conservation Service *Soil Survey of Washington County, Oregon* (SCS 1982), a 1 inch = 400 feet, color infrared aerial photograph (Bergman photographic Services 1989), and the *National List of Plant Species That Occur in Wetlands: Northwest (Region 9)* (Reed 1989). Plant species were identified using *Flora of the Pacific Northwest* (Hitchcock and Cronquist 1973), *Natural Vegetation of Oregon and Washington* (Franklin and Dyrness 1984), and *Threatened and Endangered Plants of Oregon: and Illustrated Guide* (Meinke 1987).

### 3.2 Wetland Identification

The methods used to identify wetlands within the Forest Grove urban growth boundary are a combination of the recommended "Routine On-site" and the "Routine Off-site" approaches in the Federal Manual for Identifying and Delineating Jurisdictional Wetlands (FICWD 1989). First, intensive use was made of a compilation of available aerial photography and mapped data only (e.g., color infrared aerial photography, U.S.D.A.

Soil Conservation Service Soil Survey maps, a list of Hydric Soils for Oregon, U.S. Fish and Wildlife Service/National Wetlands Inventory maps, large-scale topographic maps, etc.), thereby indicating the presence of wetlands, but not their exact boundaries. These wetland identifications have been strengthened by SRI site visits which provided "ground truthing" for aerial photographs, verification of wetland plant communities and species composition, drainage and drainage patterns, and topography.

Comprehensive, in-field, three-parameter technical boundary determinations were not conducted and were beyond the scope of this work, therefore, wetland boundaries identified (as shown on the enclosed maps) are approximate. Furthermore, we have identified some wetlands that are located in areas mapped as non-hydric soil. Such areas were identified and mapped as wetland on the basis of our on-site inspections where, in most cases, observations of a dominance of hydrophytic vegetation and proximity to significant hydrologic features (and, hence, sufficient water available for soil saturation) were recorded. Under these conditions, and on a site-specific basis, it is our opinion that wetland soils criteria would likely be met. As site specific land development or preparation of a wetland conservation plan arises where definite wetland boundaries are required for regulatory purposes, additional site data collection may be needed.

Identifying wetlands in the City of Forest Grove was conducted in several phases. Initially, using an August 1989 color-infrared aerial photography enlarged to a scale of 1 inch = 400 feet, overlays of hydric soils and National Wetlands Inventory designations were drafted to indicate the location of potential wetlands. In addition, comparisons were made with 1974 ortho-photographs scaled at 1 inch = 100 feet on which topography had been drawn. The project area was divided in half at approximately Highway 47. Two field teams were assigned to observe and record sufficient data to characterize the size and composition of each potential wetland area. Wetland areas were subsequently mapped on the 1974 ortho-photographs in the field and verified with the color-infrared aerial photograph. These wetland areas were then transferred to a set of mylar (sepia) 1 inch = 100 feet ortho-photographs and given to the City for their internal use. In addition, maps at a scale of 1 inch = 500 feet were produced for the report.

The minimum size of wetland required to be identified for a *Local Wetlands Inventory* is 0.5 acre. Through our on-site surveys and extensive analysis of aerial photographs, soils maps and topographic information, it is likely that regardless of size all wetland areas within the Urban Growth Boundary were mapped. The approximate locations of these wetlands are shown in Figure 4 (located in map pocket). Although all wetlands within the UGB are mapped, many of the boundaries reflect topographic "edges" where sharp transitions between upland and wetland were observed. Other boundaries were more transitional in terms of topography, vegetation, or hydrology. In either case, nearby features observed in the field and on aerial photographs were used to guide boundary mapping.

## 4.0 GENERAL SITE CHARACTERISTICS

### 4.1 Topography

The majority of the Forest Grove urban growth planning area lies at elevations above 200 feet NGVD (Figure 1). Elevations within the area generally trend from 400 feet in the northwest to approximately 150 feet in the southeast. The western boundary of the urban growth planning area lies at 180 feet and drops to 160 feet along the southern boundary (near Carnation). The northwest portion of the city rises to 400 feet along Watercrest Road and Davids Hill Road. On the northeast, the elevation is approximately 170 feet at Hwy. 47 to 140 feet elevation north of Cornelius.

### 4.2 Hydrology

Two major streams form the northeastern and southwestern boundaries of the city. Council Creek flows toward the southeast along Forest Grove's northern boundary. It drains into McKay Creek which in turn drains into the Tualatin River east of Cornelius. Much of Council Creek has been reconfigured through the excavation of a series of ponds and ditches which edge agricultural land. As Council Creek has been identified as a part of a future Environmental Assessment (EA), it was excluded from the wetland identification study conducted by SRI. The Council Creek EA will ascertain the impacts of extending an arterial roadway from Highway 47 to Quince Street. The assessment was to have originally been conducted by ODOT, however, Washington County will now complete the study. Gales Creek flows southeastward along the southwestern boundary of Forest Grove through a broad floodplain which lies at approximately 180 feet. Gales Creek joins the Tualatin River south of the city.

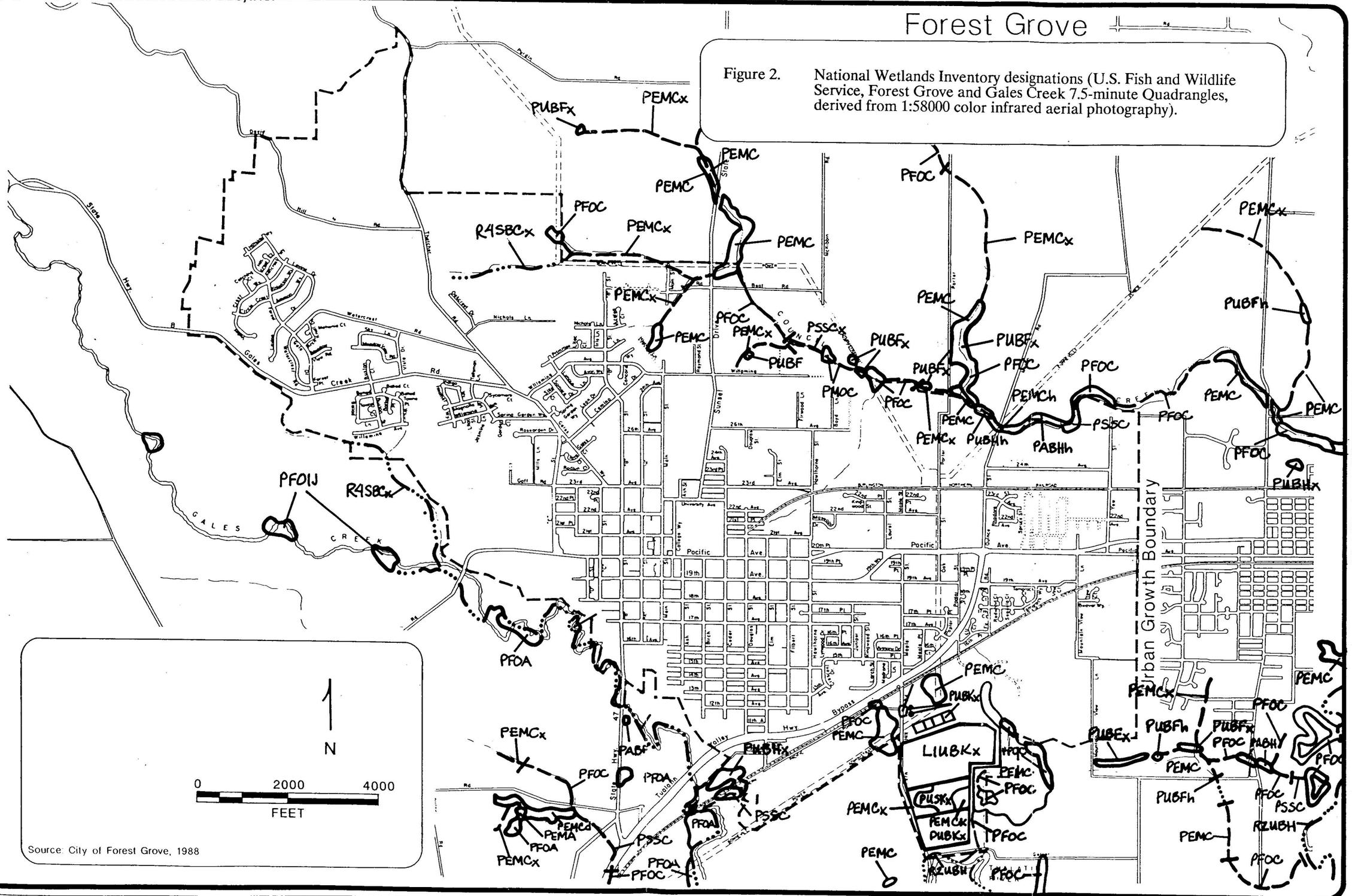
Wetland areas identified by SRI found within the project area lie in either the Gales Creek or Council Creek drainage basins. An additional wetland area is located at the Unified Sewerage Agency facility, but is considered to be in the Tualatin River drainage basin.

Figure 2 shows where wetland was mapped by the U.S. Fish and Wildlife Service, as part of the National Wetland Inventory (NWI) program. The NWI maps are generated primarily on the basis of interpretation of color infrared aerial photographs (scale of 1:58,000), with limited "ground truthing" only conducted to confirm the interpretations.

### 4.3 Soils

Seven hydric soils are found among the twenty soil types mapped by the Soil Conservation Service within the Forest Grove urban growth planning area. Figure 3 shows the soils mapped by the SCS, with hydric soils highlighted. The dominant hydric soils are Verboort silty clay loam (Soil Mapping Unit 42), which is found primarily along Council Creek and tributaries of Gales Creek, and Wapato silty clay loam (Soil Mapping Unit 43), which is found in the Gales Creek floodplain. Smaller areas of Cove silty clay loam (Soil Mapping Unit 13), Cove clay (Soil Mapping Unit 14), Dayton silty loam (Soil Mapping Unit 15), Huberly silt loam (Soil Mapping Unit 22) and Labish mucky clay (Soil Mapping Unit 27) are also present along drainageways.

Figure 2. National Wetlands Inventory designations (U.S. Fish and Wildlife Service, Forest Grove and Gales Creek 7.5-minute Quadrangles, derived from 1:58000 color infrared aerial photography).



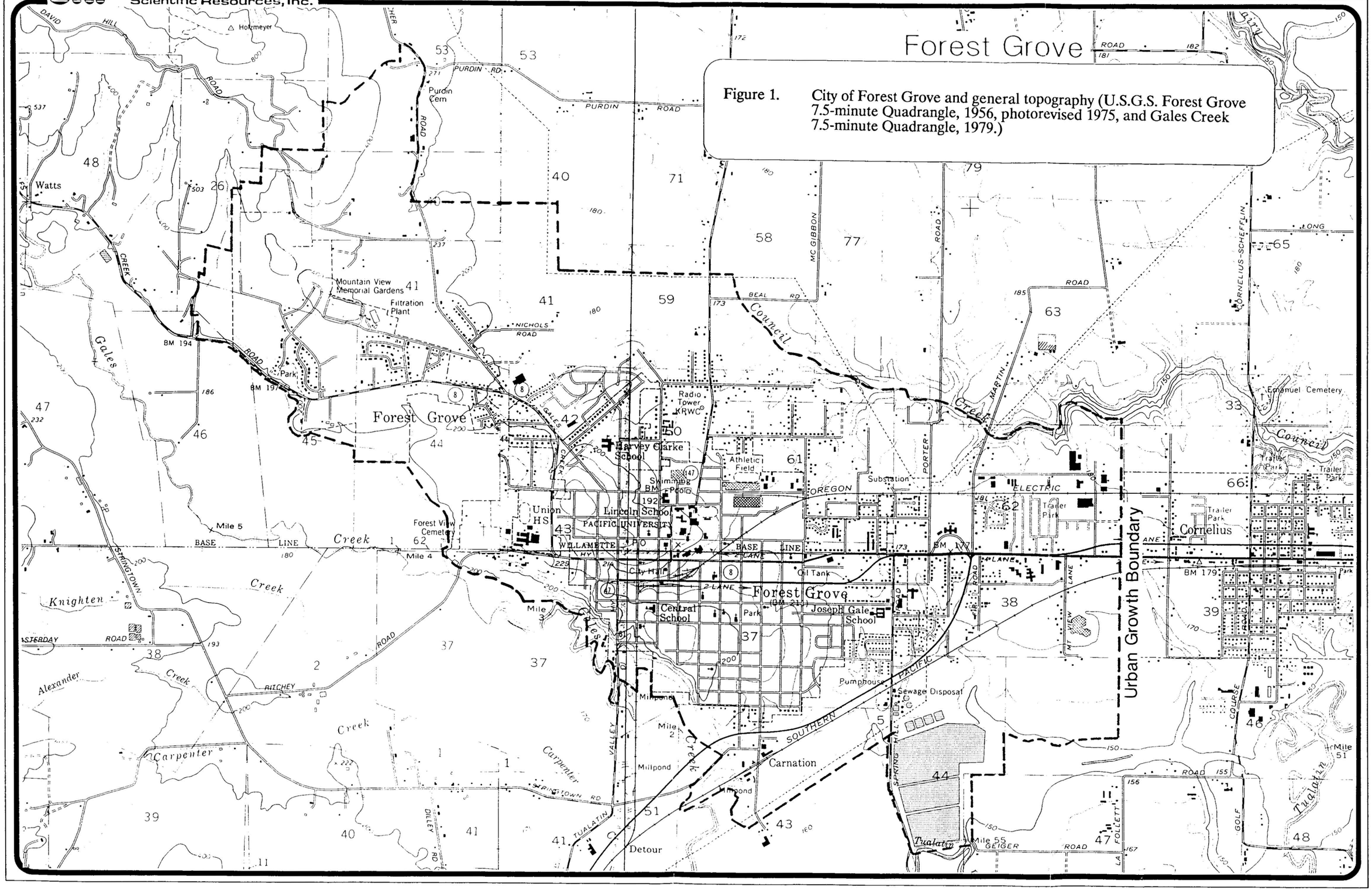



**Figure 1.** City of Forest Grove and general topography (U.S.G.S. Forest Grove 7.5-minute Quadrangle, 1956, photorevised 1975, and Gales Creek 7.5-minute Quadrangle, 1979.)

*Dayton silt loam* is a poorly drained, mesic, Typic Albaqualf that formed in old alluvium on old terraces. By definition this soil developed under wet, anaerobic conditions (an aquic moisture regime) throughout the soil profile. The "mesic" designation implies a growing season between March 1 and October 31. Dayton silt loam is a dark grayish-brown (10YR 4/2) silt loam from 0-8 inches, a dark gray (10YR 4/1) silt loam from 8-10 inches, a gray (10YR 5/1) silt loam from 10-16 inches, and a dark gray (5YR 4/1) clay with sparse, fine, distinct mottles from 16-21 inches.

*Huberly silt loam* is a poorly drained, mesic Typic Fragiaquept that has formed in mixed silty alluvium on terraces. Permeability is slow, being less 2 inches per hour to 15 inches and less than 0.6 inches per hour to 25 inches. From the surface to 8 inches Huberly is classified as a very dark gray (10YR 3/1) silt loam with few dark-gray (10YR 4/1) mottles. From 8 to 15 inches it is described as a grayish-brown (10YR 5/2) silt loam.

Both *Cove clay and Cove silty clay loam* are poorly drained, very slowly permeable (less than 0.06 inches per hour in all layers between 8 and 60 inches), fine, montmorillonitic, mesic Vertic Haplaquolls that formed in recent clayey alluvium on flood plains. Due to the montmorillonitic (shrink swell) mineralogy of the Cove series, some surficial cracking under dry conditions occurs. The typical profile for the Cove series is a very dark gray clay (N 3/) clay from 8 to 18 inches, covered by a very dark gray (10 YR 3/1) silty clay loam from the surface to 8 inches.

*Labish mucky clay* consists of poorly drained soils which formed in mixed alluvial or lacustrine material on flood plains or in basins where drainage is impeded. The soil is a fine, montmorillonitic, acid, mesic Cumulic Humaquept and is high in organic matter and stratified with lenses of peat or muck. Labish mucky clay is a black (10YR 2/1) mucky clay from 0-6 inches, a black (10YR 2/1) mucky clay with many, fine, dark yellowish-brown (10YR 4/4) and gray (N 6/) streaks and mottles from 6-13 inches, and black (10YR 2/1) clay with many, fine dark yellowish-brown (10YR 4/4) and gray (2.5Y 6/0) mottles from 13-24 inches.

*Verboort silty clay loam* is poorly drained, very slowly permeable, and classified as a fine, mesic Typic Argialbolls. The soil typically forms in depressions areas along drainageways. A persistent high water table typically occurs from December through April. From 0 to 12 inches the soil is described as a very dark brown (10YR 2/2) silty clay loam. Between 12 to 19 inches the typical profile description is a very dark gray (10YR 3/1) silty clay loam, with dark reddish-brown mottles.

*Wapato silty clay loam* is a poorly drained, moderately slowly permeable (less than 0.6 inches per hour in all layers from 14 to 60 inches), mesic Fluvaquentic Haploquoll, which formed in recent alluvium in flood plains. The profile description for this soil is a very dark grayish brown (10YR 3/2) silty clay loam from 0 to 7 inches, covering a very dark grayish brown (10YR 3/2) silty clay loam with a dark brown (7.5 YR 3/2) subsurface horizon.

## 5.0 DISCUSSION OF WETLAND AREAS

Wetland areas identified by SRI within the urban growth planning area and having at least one recorded data point within, or adjacent to its boundary, are described in the following pages. The approximate location and City grid number, the approximate acreage, and the USFWS wetland type are listed for each wetland identified. This information is summarized in Table 1. This table also includes information on those wetlands identified by SRI through a combination of aerial photographs, hydric soils mapping, and National Wetland Inventory information, but which may not have received a recorded data point. All wetlands, however, were verified in the field.

Table 2, lists all of the dominant plant species found within, or adjacent to, the wetland areas identified by SRI. Data sheets for each of the wetland areas are included in the Appendix.

So summary sheet for all sites with a data point - all sites in Table 1.

**TABLE 1.** Data on the wetlands identified by SRI within the City of Forest Grove Urban Growth Boundary. Map reference refers to the city grid number as shown on Figure 4. Wetland type refers to the U.S. Fish and Wildlife Service Classification (see text for explanation). Data sheets are included in the Appendix.

| Wetland Number | Map Reference | Street Location | Area (acres) | Wetland Type(s) | Data Sheets |
|---|---|---|---|---|---|
| 1 | D3/D4/D5/E4 | David Hill Road and Thatcher Road | 11.0 | PEMY<br>PFOC | D3–1<br>D4–2,3,4,5,6 |
| 2 | E5/E6 | Thatcher Road north of Oakcrest Drive | 4.8 | R4SBCx | E5–1,2, E6–2 |
| 3 | D6/E6 | East of Thatcher Road near BPA powerlines | 1.3 | PFOC | E6–3, D5–1 |
| 4 | E6/E7/F6 | Beal Road / Highway 47 | 14.2 | PEMCx | E6–1, E7–1,2 |
| 8 | F3 | Gales Creek Highway and Lavina Drive | 1.0 | PFOC | F3–1 |
| 7 | F4 | Meadowview Road and Forest Gale Drive | 1.4 | PEMY | F4–1,2 |
| 6 | F5 | Thatcher Road and Watercrest Road | 0.3 | PEMKx | |
| 9 | F5 | Gales Creek Road and Willamina Avenue | 0.5 | PEMY | |
| 5 | E6/F6 | "B" Street and Nichols Lane | 1.3 | PEMCx | F6–1 |
| 10 | F5/F6 | NW end of Limpus Lane, north of Willamina Avenue | 0.9 | PEMYf | F5–1 |
| 11 | F7 | Willamina Avenue – 400' east of Highway 47 | 9.6 | PUBF, PEMCx | F7–3,4,5 |
| 12 | F7 | Willamina Avenue – 1600' east of Highway 47 | 4.0 | PUBF, PEMY, PEMCx | F7–1 |
| 13 | G4/G5 | Willamina Avenue and Buxton Street | 10.5 | PEMYf | G4–1,2,3,4 |
| 14 | G6 | "E" Street and 23rd Avenue | 0.8 | PEMY | G6–1 |
| 15 | G6 | East of "E" Street | 0.1 | PEMY | |
| 16 | F8/G8/H8/H7 | Burlington Northern Railroad and Hawthorne Street | 10.2 | PFOC, PEMCx | F8–1,2<br>G8–1,2 H7–1 |
| 17 | H9 | Masonic and Eastern Star Home | 0.2 | PUBKx | |
| 18 | H9 | Pacific Avenue and Quince Street | 1.6 | PEMCx | H9–1 |
| 19 | J6 | Ash Street and 13th Avenue | 0.3 | PEMC | J6–1 |
| 20 | J8 | 15th Place and Larch Street | 2.8 | PEMYx | J8–9,10,11 |
| 21 | I9/J9/K9/L9 | Tektronix and Unified Sewerage Agency property | 19.6 | PEMC, PFOC | I9–4,5, J9–1,2<br>J9–3,6,7,8<br>K9–3,4,5 |
| 22 | J10 | Mountain View Lane | 1.6 | PUBKx, PEMCx | |
| 23 | K7 | Lumber Mill Ponds | 6.6 | PUBHx | K7–1 |
| 24 | J8/K8 | South Pacific Railroad – Fernhill Road / Elm Street | 8.8 | PFOC,PEMC | J8–12,13 |
| 25 | J8/J9/K8/<br>K9/L8/L9 | Unified Sewerage Agency Ponds | 80.5 | PUBKx,LIUBKx,<br>PEMCx, PVSKx | |
| ~~26~~ 27 | G9/G10/F10 | Council Creek east of Martin Road | 8.3 | PEMCh, PABHh, | |
| ~~27~~ 26 | H10 | South 1st Avenue and Pacific Avenue | 1.4 | PEMYx | |

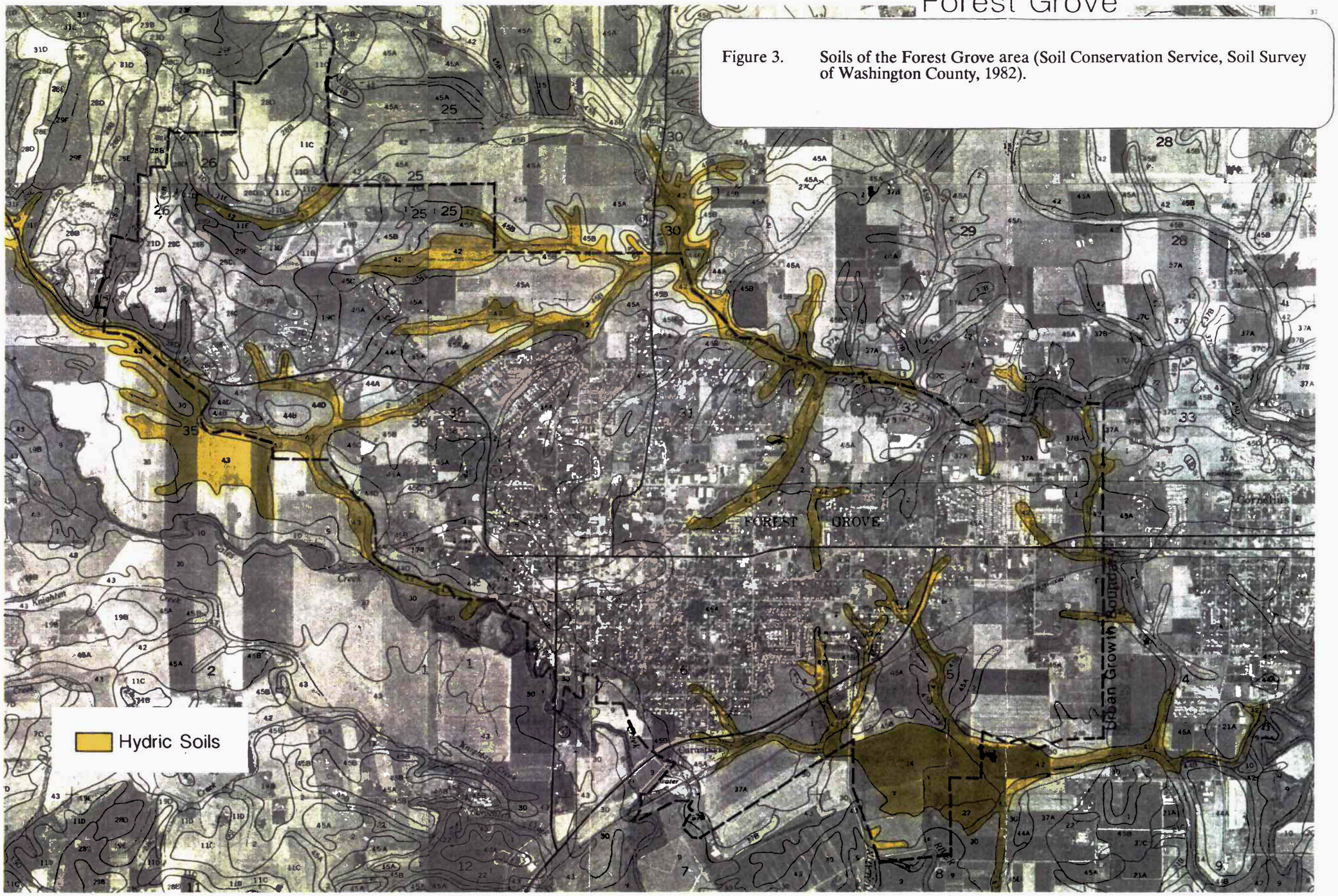
TABLE 2. Dominant plant species found within, or adjacent to, the wetland areas identified by Scientific Resources, Inc. in the Forest Grove Urban Growth Planning Area.

| GENUS | SPECIES | AUTHOR | COMMON NAME | HABIT | NAT-IND | R9IND |
|---|---|---|---|---|---|---|
| *Agropyron* | *spicatum* | (Pursh) Scribn. & J.G. Smith | Blue-bunch Wheatgrass | PNG | UPL,FACU | FACU- |
| *Agrostis* | *alba* | L. | Redtop Bentgrass | PIG | FACW,OBL | FACW |
| *Agrostis* | *stolonifera* | L. | Carpet Bentgrass | PNG | FAC+,FACW | FAC+ |
| *Alopecurus* | *pratensis* | L. | Meadow Foxtail | PIG | FACW | FACW |
| *Anthemis* | *cotula* | L. | Mayweed Dogfennel | AIF | FACU-,FACU+ | FACU |
| *Avena* | *sativa* | L. | Common Oat | G | UPL | UPL |
| *Carex* | *sp.* | L. | Sedge | PGL | NOL | NOL |
| *Cirsium* | *arvense* | (L.) Scop. | Canada Thistle | PIF | FACU-,FAC | FACU+ |
| *Cirsium* | *vulgare* | (Savi) Tenore | Bull Thistle | F | NOL | NOL |
| *Cornus* | *stolonifera* | Michx. | Red Osier Dogwood | NS | FAC,FACW+ | FACW |
| *Crataegus* | *douglasii* | Lindl. | Blackhaw | NT | FACU-,FAC | FAC |
| *Dactylis* | *glomerata* | L. | Common Orchard Grass | PIG | FACU,FACU+ | FACU |
| *Daucus* | *carota* | L. | Queen Ann's Lace | NF | NOL | NOL |
| *Eleocharis* | *palustris* | (L.) Roem. & J. A. Schultes | Common Spikerush | PNEGL | OBL | OBL |
| *Festuca* | *arundinacea* | Schreb. | Tall Fescue | PIG | FACU-,FACW- | FACU- |
| *Fraxinus* | *latifolia* | Benth. | Oregon Ash | NT | FACW | FACW |
| *Hieracium* | *sp.* | L. | Hawkweed | F | UPL | UPL |
| *Holcus* | *lanatus* | L. | Velvet-grass | PNG | FACU-,FACW | FAC |
| *Hypericum* | *perforatum* | L. | Common St. John's-wort | F | FAC-FACW | FAC-FACW |
| *Hypochaeris* | *radicata* | L. | Spotted Cats-ear | G | NOL | NOL |
| *Juncus* | *bufonius* | L. | Toad Rush | ANGL | FACW,OBL | FACW+ |
| *Juncus* | *effusus* | L. | Soft Rush | PNEGL | FACW+,OBL | FACW+ |
| *Lemna* | *minor* | L. | Lesser Duckweed | PN/F | OBL | OBL |
| *Lolium* | *multiflorum* | Lam. | Italian Ryegrass | I | NOL | NOL |
| *Lotus* | *corniculatus* | L. | Birdsfoot-trefoil | PIF | FACU-,FAC | FAC |
| *Malus* | *sp.* | Mill. | Apple | T | UPL | UPL |
| *Matricaria* | *matricarioides* | (Less.) T. Porter | Pineapple-weed | ANF | UPL,FACU | FACU |
| *Myosotis* | *sp.* | L. | Forget-me-not | PNF | UPL-OBL | FAC-OBL |
| *Oenanthe* | *sarmentosa* | K. Presl Ex DC. | Pacific Water-parsley | PIZF | OBL | OBL |
| *Phalaris* | *arundinacea* | L. | Reed Canarygrass | PNG | FACW,OBL | FACW |
| *Phleum* | *pratense* | L. | Common Timothy | PIG | FACU | FACU |
| *Poa* | *pratensis* | L. | Kentucky Bluegrass | PNG | FACU,FAC- | FACU+ |
| *Populus* | *balsamifera* | L. | Balsam Poplar | NT | FACU,FACW | FAC |
| *Pteridium* | *aquilinum* | (L.) Kuhn | Bracken Fern | F3 | FACU,FAC- | FACU |
| *Ranunculus* | *repens* | L. | Creeping Buttercup | PIF | FAC,FACW+ | FACW |
| *Rubus* | *discolor* | Weihe & Nees | Himalayan Blackberry | I | FACU- | FACU- |
| *Rumex* | *crispus* | L. | Curly Dock | PIF | FAC,FACW | FACW |
| *Salix* | *sp.* | L. | Willow | T | NOL | NOL |
| *Solanum* | *dulcamara* | L. | Bittersweet Nightshade | PIF | FAC-,FAC | FAC |
| *Taraxacum* | *officinale* | G. H. Weber | Common Dandelion | PIF | FACU-,FACU+ | FACU |
| *Trifolium* | *dubium* | Sibth. | Suckling Clover | AIF | FACU | NC |
| *Trifolium* | *pratense* | L. | Red Clover | BPIF | FACU-,FAC | FACU |
| *Trifolium* | *repens* | L. | White Clover | PIF | FACU-,FAC | FACU+ |
| *Triticum* | *aestivum* | L. | Wheat | G | NOL | NOL |
| *Typha* | *latifolia* | L. | Common Cat-tail | PNEF | OBL | OBL |
| *Veronica* | *americana* | Schweinitz ex Benth. | American Brooklime | PNE$F | OBL | OBL |
| *Vicia* | *americana* | Muhl. ex Willd. | American Purple Vetch | PNFV | NI | FAC? |

TOTAL SPECIES = 47

Forest Grove

Figure 3. Soils of the Forest Grove area (Soil Conservation Service, Soil Survey of Washington County, 1982).



# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *1* | Wetland Mapping Code: | *D3,D4,D5,E4* |
| Field Date(s): | *7/10 – 11/91* | Sample Sites: | *D3–1; D4–2,3,4,5,6* |
| Investigator(s): | *DS, LA* | Approximate Size: | *11.0* |
| Location –– Legal: | *T 1N R 4W Section 26* | | |
| Other: | *David Hill Road and Thatcher Road* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *The stream flows south and east parallel to David Hill Road, closely following the area of Verboort silty clay loam. The channel widens at intervals into riparian wetlands along the road and after it crosses north next to Thatcher Road. Here the stream is incised in a broad swath of reed canarygrass bordered by willow and ash.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br><br>*We found the following positive hydric soil indicators: matrix colors 10YR 3/2 (very dark grayish brown) and 3/1 (very dark gray) and 7.5YR 3/2 (dark brown); distinct mottles, ranging in color from dark rust to orange.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass, sedges, common spike rush, common velvet grass, soft rush and redtop grass. Overstory vegetation included Oregon ash, willow, and red alder.* | | |
| Hydrology Indicators: | *Postive indicators include: soils saturated to the surface in some areas with up to 2 inches of standing water in other areas and water tables at 3 inches; active oxidized rhizospheres were bright, distinct, and associated with living roots.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMY, PFOC* | | |
| Classification Codes: | PEMY – Palustrine emergent saturated/ semipermanent/ seasonal<br>PFOC – Palustrine, forested, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *2* | Wetland Mapping Code: | *E5,E6* |
| Field Date(s): | *7/2/91* | Sample Sites: | *E5–1,2,E6–2* |
| Investigator(s): | *DS, LA* | Approximate Size: | *4.8* |
| Location –– Legal: | *T 1N R 4W Section 25* | | |
| Other: | *Thatcher Road north of Oakcrest Drive* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *Wetland is confined to a ditch and a pond basin which are within agricultural and pasture lands. The area slopes down to the east.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: matrix colors 10YR 4/1 (dark gray) and 3/1 (very dark gray); bright rust mottling.* | | |
| Hydrophytic Vegetation: | *Meadow foxtail and reed canarygrass.* | | |
| Hydrology Indicators: | *Postive indicators include: soils saturated to the surface; water table at surface; active oxidized rhizospheres between 2 and 8 inches.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *R4SBCx* | | |
| Classification Codes: | R4SBCx – Riverine, intermittent, streambed, seasonally flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *3* | Wetland Mapping Code: | *D6,E6* |
| Field Date(s): | *7/2/91* | Sample Sites: | *D5–1,E6–3* |
| Investigator(s): | *JVS, DS, RP* | Approximate Size: | *1.3* |
| Location –– Legal: | *T 1N R 4W Section 26* | | |
| Other: | *East of Thatcher Road near BPA powerlines* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *Wetland exists within a grove of Oregon ash and adjacent areas dominated by reed canarygrass and redtop.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: low chromas 10YR 2/2 with mottling.* | | |
| Hydrophytic Vegetation: | *Oregon ash, reed canarygrass, redtop* | | |
| Hydrology Indicators: | *Positive indicators include: shallow water tables (10") and strongly oxidized rhizospheres with living roots.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PFOC* | | |
| Classification Codes: | PFOC – Palustrine, forested, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *4* | Wetland Mapping Code: | *E6,E7,F6* |
| Field Date(s): | *7/2/91* | Sample Sites: | *E6–1, E7–1,2* |
| Investigator(s): | *DS, RP, JVS* | Approximate Size: | *14.2* |
| Location –– Legal: | *T 1N R 4W Section 2* | | |
| Other: | *Beal Road and Hwy. 47* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *This wetland extends from Azalea Court northeastward across Beal Road to Highway 47. Fingers of wetland extend south to Higby Lane and northwestward to Main Street.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: matrix color 10YR 2/2 (very dark brown); rust mottling* | | |
| Hydrophytic Vegetation: | *Reed canarygrass, meadow foxtail, lesser duckweed, forget–me–not, and climbing nightshade. Overstory trees are Oregon ash.* | | |
| Hydrology Indicators: | *Positive indicators include: soils saturated to the surface; ponding; water tables within 4 inches; active oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *5* | Wetland Mapping Code: | *E6,F6* |
| Field Date(s): | *7/10/91* | Sample Sites: | *F6–1* |
| Investigator(s): | *DS* | Approximate Size: | *1.3* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *B" Street and Nichols Lane* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *The wetland is located on either side of Nichols Lane west of "B" Street. At the wetland's western end, it is a channel which runs past the high school.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)* | | |
| Hydrophytic Vegetation: | *Reed canarygrass and Oregon ash.* | | |
| Hydrology Indicators: | | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *6* | Wetland Mapping Code: | *F5* |
| Field Date(s): | *7/11/91* | Sample Sites: | *No sample* |
| Investigator(s): | *DS* | Approximate Size: | *0.3* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *Thatcher Road and Watercrest Road* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *This is a small cattail–lined pond in a residential yard.* | | |
| Soils: | *Amity silt loam (Non–hydric soil)* | | |
| Hydrophytic Vegetation: | *Cattail* | | |
| Hydrology Indicators: | | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMKx* | | |
| Classification Codes: | PEMKx – Palustrine, emergent, artificially flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *7* | Wetland Mapping Code: | *F4* |
| Field Date(s): | *7/10/91* | Sample Sites: | *F4–1,2* |
| Investigator(s): | *DS* | Approximate Size: | *1.42* |
| Location –– Legal: | *T 1N R 4W Sections 35,36* | | |
| Other: | *Meadow View Road and Forest Gale Drive* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *The wetland is near the east end of Meadow View Road. It extends south several hundred feet between adjacent fields.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive soil indicators: matrix colors 10YR 3/2 (very dark grayish brown) and 3/1 (very dark gray); and rust colored mottles.* | | |
| Hydrophytic Vegetation: | *Soft rush, broad leaf cattail, common velvet grass, redtop grass, sedges and toad rush.* | | |
| Hydrology Indicators: | *Positive indicators included: ponded water (up to 1/2 inch deep), which appears to be spring–fed; soils saturated to the surface; oxidized rhizospheres within 8 inches of surface.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMY* | | |
| Classification Codes: | PEMY – Palustrine emergent saturated/ semipermanent/ seasonal | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *8* | Wetland Mapping Code: | *F3* |
| Field Date(s): | *7/10/91* | Sample Sites: | *F3–1* |
| Investigator(s): | *DS, LA* | Approximate Size: | *1.0* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *Gales Creek Hwy. and Lavina Drive* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *The wetland area is confined to the stream channel above Gales Creek Highway west of Lavina Drive. The adjacent areas were sampled and found not to satisfy the mandatory wetland criteria. Approximately 50 feet north of the highway the stream enters a culvert. The area south of the highway is beyond the UGB.* | | |
| Soils: | *Melbourne silty clay loam (Non–hydric soil)* | | |
| Hydrophytic Vegetation: | *Reed canarygrass* | | |
| Hydrology Indicators: | | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PFOC* | | |
| Classification Codes: | PFOC – Palustrine, forested, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *9* | Wetland Mapping Code: | *F5* |
| Field Date(s): | *7/11/91* | Sample Sites: | *No sample* |
| Investigator(s): | *DS* | Approximate Size: | *0.5* |
| Location -- Legal: | *T 1N R 4W Section 3* | | |
| Other: | *Gales Creek Road and Willamina Avenue* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *A broad wetland ditch south of Gales Creek Road.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: matrix color 5YR 5/1 (gray), pale rust mottling.* | | |
| Hydrophytic Vegetation: | *Common velvet grass, reed canarygrass, and meadow foxtail. Overstory trees include willows.* | | |
| Hydrology Indicators: | *Positive indicators include: soils saturated at 8 inches; water table at 8 inches; oxidized rhizospheres at 8 inches.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMY* | | |
| Classification Codes: | PEMY – Palustrine emergent saturated/ semipermanent/ seasonal | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *10* | Wetland Mapping Code: | *F5,F6* |
| Field Date(s): | *7/11/91* | Sample Sites: | *F5–1* |
| Investigator(s): | *DS* | Approximate Size: | *0.9* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *Northwest end of Limpus Lane, parallel to Willamina Avenue* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *The wetland ditch runs along the south edge of the large agricultural field between the north end of Limpus Lane and Nichols Lane. The wetland begins at the edge of the BPA substation property and runs NE for several hundred feet.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: matrix color 5YR 5/1 (gray), pale rust mottling.* | | |
| Hydrophytic Vegetation: | *Common velvet grass, reed canarygrass, and meadow foxtail. Overstory trees include willows.* | | |
| Hydrology Indicators: | *Positive indicators include: soils saturated at 8 inches; water table at 8 inches; oxidized rhizospheres at 8 inches.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMYf* | | |
| Classification Codes: | PEMYf – Palustrine, emergent, saturated/ semipermanent/ seasonal, farmed | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *11* | Wetland Mapping Code: | *F7* |
| Field Date(s): | *7/11/91, 7/25/91* | Sample Sites: | *F7–3,4,5* |
| Investigator(s): | *FS, LA* | Approximate Size: | *9.6* |
| Location –– Legal: | *T 1N R 3W Section 3* | | |
| Other: | *Willamina Avenue – 400' east of Highway 47* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *This stream closely follows the description for the stream to the east (1600' east of Highway 47). It begins just west of Highway 47 and flows northeastward toward Council Creek. It is culverted under Highway 47 then ditched along the east side of the highway around recently developed property on Willamina Avenue. North of Willamina Avenue, the stream runs through a pasture and a pond to Council Creek.* | | |
| Soils: | *Amity silt loam (Non–hydric soil)*<br><br>*We found the following positive hydric soil indicators: a matrix of 10YR 2/1 (black) and 3/1 (very dark gray), and 7.5YR 2/2 (very dark brown).* | | |
| Hydrophytic Vegetation: | *Reed canarygrass, common velvet grass, soft rush, and meadow foxtail.* | | |
| Hydrology Indicators: | *Positive indicators include: soil saturation to the surface, water table at 6 inches, and oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx,PUBF* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated<br>PUBF – Palustrine, unconsolidated bottom, semipermanently flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *12* | Wetland Mapping Code: | *F7* |
| Field Date(s): | *7/2/91* | Sample Sites: | *F7–1* |
| Investigator(s): | *FS, LA* | Approximate Size: | *4.0* |
| Location –– Legal: | *T 1N R 3W Section 3* | | |
| Other: | *Willamina Avenue – 1600' east of Highway 47* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *From a small pasture south of the east end of Willamina Avenue, a small stream drains northeast. It is culverted under Willamina Avenue at approximately Firwood Lane, then is ditched through a large horse pasture to Council Creek.* | | |
| Soils: | *Amity silt loam (Non–hydric soil)*<br><br>*We found the following positive hydric soil indicators: a matrix of 7.5YR 2/2 (very dark brown) with mottles.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass and meadow foxtail* | | |
| Hydrology Indicators: | *Positive indicators include: water table at surface* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx,PEMY,PUBF* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated<br>PEMY – Palustrine emergent saturated/ semipermanent/ seasonal<br>PUBF – Palustrine, unconsolidated bottom, semipermanently flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *13* | Wetland Mapping Code: | *G4,G5* |
| Field Date(s): | *7/11/91, 7/25/91* | Sample Sites: | *G4–1,2,3,4* |
| Investigator(s): | *DS* | Approximate Size: | *10.5* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *Willamina Avenue and Buxton Street* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *This wetland is located south of a residential area and west of agricultural fields in the Gales Creek flood plain. Ditches drain from the east and southeast and are diked on the south side of the wetland.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: a matrix of 5 YR 4/1 (dark gray).* | | |
| Hydrophytic Vegetation: | *Broad–leaf cattail, reed canarygrass, common velvet grass, soft rush. The overstory trees along the southern boundary are cottonwoods.* | | |
| Hydrology Indicators: | *Positive indicators include: soil saturation to the surface, with water tables at the surface; bright active oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMYf* | | |
| Classification Codes: | PEMYf – Palustrine, emergent, saturated/ semipermanent/ seasonal, farmed | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *14* | Wetland Mapping Code: | *G6* |
| Field Date(s): | *7/11/91* | Sample Sites: | *G6–1* |
| Investigator(s): | *DS, LA* | Approximate Size: | *0.8* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *"E" Street and 23rd Avenue* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *This is a wetland basin that may collect stormwater runoff. It is located on the northeast corner of "E" Street and 23rd Avenue. A culvert drains the basin on the east side near "E" Street.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br><br>*We found the following positive hydric soil indicators: a matrix of 10YR 3/2 (very dark grayish brown); bright rust mottling.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass* | | |
| Hydrology Indicators: | *Positive indicators include: oxidized rhizospheres below 10 inches.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMY* | | |
| Classification Codes: | PEMY – Palustrine emergent saturated/ semipermanent/ seasonal | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *16* | Wetland Mapping Code: | *F8,G8,H7,H8* |
| Field Date(s): | *7/10/91* | Sample Sites: | *F8–1,2;G8–1,2;H7–1* |
| Investigator(s): | *FS, LA* | Approximate Size: | *10.2* |
| Location –– Legal: | *T 1N R 3W Section 3* | | |
| Other: | *Burlington Northern RR and Hawthorne Street* | | |
| Hydrologic Basin: | *Council Creek* | | |
| Site Description: | *Beginning at Douglas Street and 21st Avenue, a stream flows northeast–ward to Council Creek. Along the Burlington Northern Railroad west of Hawthorne, the stream flows in a deep ditch and is culverted under the roads. North of 23rd Avenue, the stream is ditched through pastures. Wetland is generally confined to the ditches with exceptions at Kingwood Street and south of Council Creek where the wetland broadens out.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br><br>*We found the following positive hydric soil indicators: matrix colors 10YR 2/2 (very dark brown), 3/1 (very dark gray), and 3/2 (very dark grayish brown), all with rust mottling.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass along railroad tracks and in unmowed areas adjacent to the ditch; reed canarygrass and common velvet grass in wetland south of Council Creek.* | | |
| Hydrology Indicators: | *Positive indicators include: soils saturated to 8 inches and oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx,PFOC* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated<br>PFOC – Palustrine, forested, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *17* | Wetland Mapping Code: | *H9* |
| Field Date(s): | *7/15/91* | Sample Sites: | *No sample* |
| Investigator(s): | *DS, LA* | Approximate Size: | *0.2* |
| Location –– Legal: | *T 1N R 3W Section 5* | | |
| Other: | *Masonic and Eastern Star Home* | | |
| Hydrologic Basin: | *Tualatin River* | | |
| Site Description: | *Located on the northwest corner of Pacific Avenue and Quince Street is a large pond lined with cattail, willow, soft rush and iris.* | | |
| Soils: | *Woodburn silt loam (Non–hydric soil)* | | |
| Hydrophytic Vegetation: | *Cattail, willow, soft rush and iris.* | | |
| Hydrology Indicators: | | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PUBKx* | | |
| Classification Codes: | PUBKx – Palustrine, unconsolidated bottom, artificially flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *18* | Wetland Mapping Code: | *H9* |
| Field Date(s): | *7/15/91* | Sample Sites: | *H9–1* |
| Investigator(s): | *DS, LA* | Approximate Size: | *1.6* |
| Location –– Legal: | *T 1N R 3W Section 5* | | |
| Other: | *Pacific Avenue and Quince Street* | | |
| Hydrologic Basin: | *Tualatin River* | | |
| Site Description: | *Wetland is confined to storm ditches located on the southeast corner of Pacific Avenue and Quince Street.* | | |
| Soils: | *Huberly silt loam (Hydric soil)*<br>*We found the following positive hydric soil indicators: matrix color of 10YR 3/1 (very dark gray) and pale brown mottles.* | | |
| Hydrophytic Vegetation: | *Cattail* | | |
| Hydrology Indicators: | *Positive hydrology indicators include: standing water in ditch.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *19* | Wetland Mapping Code: | *J6* |
| Field Date(s): | *7/25/91* | Sample Sites: | *J6–1* |
| Investigator(s): | *DS, JVS* | Approximate Size: | *0.3* |
| Location –– Legal: | *T 1N R 4W Section 3* | | |
| Other: | *Ash Street and 13th Avenue* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *This wetland is a ditch running through the middle of a wheat field located in the Gales Creek floodplain.* | | |
| Soils: | *McBee silt loam (Non–hydric soil)*<br><br>*We found the following positive hydric soil indicators: a matrix of 10YR 3.5/1 (very dark gray); rust mottling.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass and curly dock.* | | |
| Hydrology Indicators: | *Positive indicators include: oxidized rhizospheres throughout the profile.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMC* | | |
| Classification Codes: | PEMC – Palustrine, emergent, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *20* | Wetland Mapping Code: | *J8* |
| Field Date(s): | *7/15/91* | Sample Sites: | *J8–9,10,11* |
| Investigator(s): | *DS, JVS* | Approximate Size: | *2.8* |
| Location –– Legal: | *T 1N R 3W Section 5* | | |
| Other: | *15th Place and Larch Street* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *A storm ditch runs south between the backyards of residential property along Larch Street and into a wetland area at Highway 8. The agricultural field west of Larch Street includes a drainage swale which ends at the east end of Crescent Street.* | | |
| Soils: | *Aloha sil loam, Woodburn silt loam (Non–hydric soils) Hydric soil, Verboort silty clay loam, is mapped along the north–south ditch and the wetland. The field is mapped as Woodburn silt loam. We found the following positive hydric soil indicators: matrix color 10YR 3/1 (very dark gray) and 10YR 2/1 (black) with rich rust mottling.* | | |
| Hydrophytic Vegetation: | *Common velvet grass, soft rush, and spreading bentgrass.* | | |
| Hydrology Indicators: | *Positive indicators include: saturated soils to 14 inches with active oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMYx* | | |
| Classification Codes: | PEMYx – Palustrine, emergent, saturated/ semipermanent/ seasonal, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *21* | Wetland Mapping Code: | *I9,J9,K9,L9* |
| Field Date(s): | *7/15/91* | Sample Sites: | *I9–4,5;J9–1,2,3,6,7,8;K9–3,4,5* |
| Investigator(s): | *DS, JVS* | Approximate Size: | *19.6* |
| Location –– Legal: | *T 1N R 3W Section 5* | | |
| Other: | *Tektronix and Unified Sewerage Agency property* | | |
| Hydrologic Basin: | *Tualatin River* | | |
| Site Description: | *A stream flows south from the Southern Pacific Railroad at 16th Place and Fir Court, west of Tektronic buildings and along the east side of USA's Forest Grove treatment ponds. The stream widens to a broad emergent wetland with a wetland forest adjacent to the stream.* | | |
| Soils: | *Verboort silty clay loam, Cove clay, Labish mucky clay (Hydric soils) Verboort silty clay loam is found in the stream swale; Cove clay and Labish mucky clay are found east of the treatment ponds. We found the following positive hydric soil indicators: matrix colors 10YR 3/2 (very dark grayish brown), 2/2 (very dark brown) and 2/1 (black).* | | |
| Hydrophytic Vegetation: | *In the swale north of the Tektronix entry road: cattail, reed canarygrass, soft rush, and speedwell. South of the entry road, vegetation is dominated by reed canarygrass, common velvet grass, and meadow foxtail. Overstory vegetation is Oregon ash, willow and red–osier dogwood.* | | |
| Hydrology Indicators: | *Positive indicators include: soils saturation to the surface and oxidized rhizospheres throughout the soil profile.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMC,PFOC* | | |
| Classification Codes: | PEMC – Palustrine, emergent, seasonally flooded<br>PFOC – Palustrine, forested, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *22* | Wetland Mapping Code: | *J10* |
| Field Date(s): | *7/15/91* | Sample Sites: | *No sample* |
| Investigator(s): | *DS, LA* | Approximate Size: | *1.6* |
| Location -- Legal: | *T 1N R 3W Section 4* | | |
| Other: | *Mountain View Lane and retirement community* | | |
| Hydrologic Basin: | *Tualatin River* | | |
| Site Description: | *A pond south of the retirement community drains storm runoff from the development and fields to the east.* | | |
| Soils: | *Amity silt loam (Non–hydric soil)* | | |
| Hydrophytic Vegetation: | *Cattail and water–plantain* | | |
| Hydrology Indicators: | *Positive indicators include: standing water* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMCx,PUBKx* | | |
| Classification Codes: | PEMCx – Palustrine, emergent, seasonally flooded, excavated<br>PUBKx – Palustrine, unconsolidated bottom, artificially flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *23* | Wetland Mapping Code: | *K7* |
| Field Date(s): | *7/15/91* | Sample Sites: | *K7–1* |
| Investigator(s): | *DS, LA* | Approximate Size: | *6.6 (includes log ponds)* |
| Location –– Legal: | *T 1N R 3W Section 6* | | |
| Other: | *Lumber mill ponds at 9th Avenue and Elm Street* | | |
| Hydrologic Basin: | *Gales Creek* | | |
| Site Description: | *Two large log ponds are identified as wetlands. South of the ponds is a small wetland area where the ponds drain into Gales Creek.* | | |
| Soils: | *Chehalis silty clay loam (Non–hydric soil) Soils for the log ponds are mapped as "water" by the SCS; the wetland to the south is mapped as Chehalis silty clay loam. We found the following positive hydric soil indicators: matrix color 10YR 3/1 (very dark gray) with rust mottling.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass and soft rush.* | | |
| Hydrology Indicators: | *Positive indicators include: soil saturation to 6 inches; active oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PUBHx* | | |
| Classification Codes: | PUBHx – Palustrine, unconsolidated bottom, permanently flooded, excavated | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY
## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *24* | Wetland Mapping Code: | *J8,K8* |
| Field Date(s): | *7/15/91* | Sample Sites: | *J8–12,13* |
| Investigator(s): | *DS, LA* | Approximate Size: | *8.8* |
| Location –– Legal: | *T 1N R 3W Section 6* | | |
| Other: | *Southern Pacific Railroad at Fern Hill Road and Elm Street* | | |
| Hydrologic Basin: | *Tualatin River* | | |
| Site Description: | *Forested wetland is located in ditches running between Highway 8 and the railroad tracks. Wetland was also found south of the railroad tracks and is mapped to the city limits.* | | |
| Soils: | *Verboort silty clay loam (Hydric soil)*<br><br>*We found the following positive hydric soil indicators: matrix colors 10YR 2/2 (very dark brown), 3/1 (very dark gray), and N5 (gray) with rust mottling.* | | |
| Hydrophytic Vegetation: | *Reed canarygrass, climbing nightshade, sedges, and willow–herb. Overstory vegetation includes: Oregon ash, red–osier dogwood, and willow.* | | |
| Hydrology Indicators: | *Positive indicators include: soil saturation to surface; oxidized rhizospheres.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | *PEMC,PFOC* | | |
| Classification Codes: | PEMC – Palustrine, emergent, seasonally flooded<br>PFOC – Palustrine, forested, seasonally flooded | | |

# FOREST GROVE LOCAL WETLANDS INVENTORY

## – Wetland Summary Sheet –

| | | | |
|---|---|---|---|
| Wetland Number: | *25* | Wetland Mapping Code: | *J8,J9,K8,K9,L8,L9* |
| Field Date(s): | *7/16/91* | Sample Sites: | *No sample* |
| Investigator(s): | *DS, LA* | Approximate Size: | *80.5* |
| Location -- Legal: | *T 1N R 3W Section 5* | | |
| Other: | *Unified Sewerage Agency ponds* | | |
| Hydrologic Basin: | *Tualatin River* | | |
| Site Description: | *Several large ponds excavated to hold secondary effluent.* | | |
| Soils: | *Cove clay (Hydric soil)* | | |
| Hydrophytic Vegetation: | | | |
| Hydrology Indicators: | *Positive indicators include: standing water.* | | |
| Hydrologic Source: | *Surface water, precipitation* | | |
| Wetland Classification(s): | PUBKx,LIUBKx,PEMCx,PUSKx | | |
| Classification Codes: | PUBKx – Palustrine, unconsolidated bottom, artificially flooded, excavated | | |
| | L1UBKx – Lacustrine, limnetic, unconsolidated bottom, artificially flooded, excavated | | |
| | PEMCx – Palustrine, emergent, seasonally flooded, excavated | | |
| | PUSKx – Palustrine, unconsolidated shore, artificially flooded, excavated | | |

## 6.0 CONCLUSIONS

SRI found approximately 194 acres of potentially jurisdictional wetland within the approximately 4,000 acre Urban Growth planning area of Forest Grove. Figure 4 (located in the map pocket) and the 1 inch = 100 feet mylar orthophotographs supplied to the City, show the location of these wetland areas. The wetland identification was conducted both in the office (Routine Off-site method) using available resources (e.g., soil survey information, topographic information, and color infrared aerial photography), and verified in the field using the Routine Onsite method of the Federal Manual.

As previously discussed, SRI did not delineate the exact boundary of the wetland areas identified for this study. A best approximation was made, however, based on visual changes in the vegetation community, hydric soils indicators, and wetland hydrology indicators. In addition, aerial photography and detailed topographic information was used to define the extent of some of the wetland boundaries. All of the wetland areas satisfy the technical criteria for a wetland determination and may be under the jurisdiction of the Division of State Lands and the U.S. Army Corps of Engineers. As such, a formal wetland delineation of the wetlands may be needed to satisfy the requirements of the regulatory agencies if impact to wetland is anticipated.

The distribution of wetlands within the Forest Grove urban growth planning area are primarily associated with Council Creek, Gales Creek, and their tributaries, although isolated wetland areas were also found throughout the area. In addition, extensive wetland areas were identified north of the Tualatin River at the Unified Sewerage Agency (USA) Forest Grove plant. The wetland areas at the USA plant include both natural and man-made wetlands. SRI identified wetlands along the major tributaries of Council Creek as they extend into the urban growth planning area, however, the wetland areas that exist along the Creek itself were not identified. As previously mentioned in Section 4.2, this section of creek will be part of a future Environmental Assessment studying the effects of extending Highway 47 to Quince Street.

## 7.0 REFERENCES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W1

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 26 | | Sample Site # D3-1 |

Davids Hill Road

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Cornelius silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 4/6 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Holcus lanatus | FAC | 40 | |
| 2. Pteridium aquilinum | FACU | 40 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. Rubus discolor | FACU | 100 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0/3 = 0 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | Non-Wetland |

Comments: stream gully east of open field - upstream end of Davids Hill Road

Investigator(s): DS

W1

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/11/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W Section 26 | D4 — 2 Sample Site # |

David Hill Rd. / Thatcher

## SOILS

| | | |
|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: (Yes) No |
| Matrix Color: 10YR 3/3 | Mottled: (Yes) No | Mottle Color: pale orange |
| Gleyed: Yes (No) | Other Indicators: | |
| Comments: | | Hydric Soils Criteria Met (Not Met) |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 100 | |
| 2. | | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 1 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) N |
| Comments: Sample site south and lower elev. of tree farm west of Thatcher | 2 ⇒ about 2' | |
| | | |
| | | Investigator(s): DS/LA |

W1

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/11/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 26 | | Sample Site # D4 — 3 |

David Hill Rd / Thatcher

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/2 | Mottled: (Yes) No | Mottle Color: rust, distinct | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 100 | |
| 2. | | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 1 / 1 = | 100 % | |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) Not Met | | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surf. | Depth to Water Table (in.) > 18" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: distinct | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: approx 1' elev. above channel | | |
| approx. 75' north of channel | | |
| | | |
| | | Investigator(s): LA / DS |

W1

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W Section 25 | Sample Site # D4-4 |

Thatcher Road + Davids Hill Road

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/3 | Mottled: (Yes) No | Mottle Color: few | |
| Gleyed: Yes No | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 25 | |
| 2. Cirsium arvense | FACU | 20 | ____ |
| 3. Festuca arundinacea | FACU | 20 | |
| ~~Woody Vines~~ | | | |
| 1. Poa pratensis | FACU | <20 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1/3 = 33 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): PS | |

W1

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/11/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 26 | | D4 Sample Site # 5 |

Davids Hill Rd + Thatcher -

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 7.5YR 3/2 | Mottled: (Yes) No | Mottle Color: dk rust, dk brown | |
| Gleyed: Yes (No) | Other Indicators: N | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Salix sp. | FAC? | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Holcus lanatus | FAC | 40 | |
| 2. Hypericum perforatum | UPL | <15 | ____ |
| 3. Phalaris arundinacea | FACW | <10 | |
| ~~Woody Vines~~ | | | |
| 1. Agrostis alba | FACW | 20 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2 / 2 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) >18 | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: distinct, bright, | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |

Comments: north of channel

Investigator(s): LA / DS

W1

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | Date: 7/11/91 | |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W | Section 26 | Sample Site # D4 6 | |

David Hill Rd / Thatcher

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: strong rust, orange | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 25 | |
| 2. Carex sp. | probably at least FAC | <10 | ____ |
| 3. Holcus lanatus | FAC | 35 | |
| * 4. Juncus effusus | FACW | 15 | |
| * 5. Eleocharus palustris | OBL | <10 | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2 / 2 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: (Yes) No | Depth of Standing Water (in.) 2" | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surface | Depth to Water Table (in.) 3" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: south side of channel near Thatcher Rd, adjacent to Martens property. | | |
| | Investigator(s): DS/LA | |

W3

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 3W Section 30 | Sample Site # D5-1 |

in field west of ash forest west of Beal Rd.

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 50 | |
| 2. Agrostis alba | FACW | 50 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2/2 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW |

Comments:

Investigator(s): DS/RP/NVS

W2

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 25 | | ES-1 Sample Site # |

ditch infield east of Thatcher Rd. - west of site ES-4

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 100 | |
| 2. | | | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 1 / 1 | = | 100 % |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) Not Met | | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surface | Depth to Water Table (in.) Surface | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | | Investigator(s): DS / RP |

W2

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/2/01 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W | Section 25 | Sample Site # ES-2 |

dry pond - east of Hatcher - west of ES-5

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 4/1 | Mottled: (Yes) No | Mottle Color: bright, rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Salix sp | at least FAC | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. UNKnown young plant → no flowers | | 50 | |
| 2. Alopecurus pratensis | FACW | 25 | ____ |
| 3. Rumex crispus | FACW | <10 | |
| ~~Woody Vines~~ | | | |
| 1. Matricaria matricarioides | FACU | 10 | |
| 2. | | | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 1 | = | % |
| Comments: We are calling this hydrophytic because it is in the middle of a pond depression. The unknown plant was too young to ID | Hydric Vegetation Criteria (Met) | | Not Met |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No. | Comments: ORs at 2" and 8" | | |
| | Wetland Hydrology Criteria (Met) | | Not Met |

| | | |
|---|---|---|
| Wetland Determination (Wetland) W | | Non-Wetland |
| Comments: Basin of dry pond<br>Salix sp. around perimeter | | |
| | Investigator(s): DS/RP | |

W2

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 25 | | ES-3 Sample Site # 3 |

Thatcher Rd + Oakcrest Drive -

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Festuca arundinacea | FACU- | 90 | |
| 2. | | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: Ø / Ø = Ø %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | NW |
| Comments: SW of pond — field north of Oakcrest Drive. east side Thatcher Rd. | | | |
| | | Investigator(s): | DS/RP |

W2

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 25 | | Sample Site # ES-4 |

low area - west of Thatcher Rd

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn S.I. | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 4/3 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Festuca arundinacea | FACU- | 100 | |
| 2. | | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ____ / ____ = ____ %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | > 18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | NW |
| Comments: | | | |
| | | Investigator(s): | DS/RP |

W4

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 3W | Section 30 | | Sample Site # E6-1 |

Quail Run - main Street

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes No | Other Indicators: @ 11" - clay horizon - 7.5YR 3/0 | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs 1. | | | |
| * HERBS | | | ____ |
| * 1. Lemna minor | OBL | 20 | |
| Herbs 2. Phalaris arundinacea | FACW | 35 | |
| * 3. Alopecuris pratensis | FACW | 35 | ____ |
| * 4. Myosotis sp. | atleast FAC | <10 | |
| Woody Vines 1. Solanum dulcamara | FAC | <10 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 3 / 3 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | W/in 20' @ depth of 3-4" | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) surface | Depth to Water Table (in.) 4" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | | |
|---|---|---|---|
| Wetland Determination | (Wetland) | W | Non-Wetland |

Comments:

Investigator(s): DS/RP

W2

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W Section 25 | Sample Site # E6-2 |

ditch in field - BPA Powerline

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Lemna minor | OBL | 30 | |
| 2. Oenanthe sarmentosa | OBL | 30 | ____ |
| 3. Phalaris arundinacea | FACW | 30 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 3 / 3 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: (Yes) No | Depth of Standing Water (in.) 16" | | |
| Saturated Soils: (Yes) | No | Depth to Saturated Soil (in.) | Depth to Water Table (in.) |
| Active Oxidized Rhizospheres Present: | Yes (No) | Comments: Channel 4' wide, 4' deep | |
| | | Wetland Hydrology Criteria (Met) | Not Met |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |

Comments: This wetland area is confined to the ditch

Investigator(s): DRS/RP

W3

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/2/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 25 | | Sample Site # E6-3 |

BPA powerline + ash forest

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 1 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) surface | Depth to Water Table (in.) 10" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | | Investigator(s): PS/RP/NVS |

W4

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | |
|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | Date: 7/2/91 |
| County & State: WASHINGTON Co., OR | Legal Description: Township 1N | Range 3W | Section 30 | Sample Site # E7-1 |

Quail Run development

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 2/2 (to 10") | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: (Yes) @ 10" No | Other Indicators: | | |
| Comments: gley layer → 7.5YR 3/0 | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 80 | |
| 2. Alopecurus pratensis | FACW | 10 | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 1 = 100 %

Comments: Dominated by reed canary grass

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) >12" | Depth to Water Table (in.) >18 | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: standing water w/in 6' of soil pit | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: | | |
| | | Investigator(s): FS/LA |

W4

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/2/91 |
| County & State: Washington Co., OR | Legal Description: Township 1N | Range 3W | Section 30 | | Sample Site # E7-2 |

Quail Run development

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: faint-dull brown | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Crataegus douglasii | FAC | 100 | |
| 2. | | | 10 |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 90 | |
| 2. Alopecurus pratensis | FACW | 10 | 90 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 2 / 2 = 100 % | | |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) | Not Met | |

## HYDROLOGY

| | | | | |
|---|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | | |
| Saturated Soils: Yes | No | Depth to Saturated Soil (in.) — | Depth to Water Table (in.) >18" | |
| Active Oxidized Rhizospheres Present: (Yes) | No | Comments: Soil moist between 12"-18" | | |
| | | Wetland Hydrology Criteria (Met) | Not Met | |

| | | | |
|---|---|---|---|
| Wetland Determination | (Wetland) yes | Non-Wetland | |
| Comments: | | | |
| | | Investigator(s): FS/LA | |

W5

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington. OR | Legal Description: Township 1N Range 4W Section 36 | | Sample Site # F6-1 |

Nichols Lane and "B" Street

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: some areas with 5Y 4/1 inclusions | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| * HERBS | | | ____ |
| * 1. Mowed grasses | | | |
| Herbs | | | |
| * 2. Cirsium arvense | FACU+ | | |
| * 3. Avena sativa | UPL | | ____ |
| * 4. Cirsium vulgare | FACU | | |
| Woody Vines | | | |
| 1. Rubus discolor | FACU | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ____ / ____ = ____ %

Comments: There was unidentified grass in the area but the predominant vegetation was UPL or FACU, so we are calling this upland veg.

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | > 18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |

Comments: Although this is in a channel depression, there are no hydrological indicators. This area is mowed as part of the back yards of the adjacent houses.

Investigator(s): DS

WS

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington. OR | Legal Description: Township 1N | Range 4W Section 36 | Sample Site # FG-2 |

Lilac Peace + Primrose Lane

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: pale rust | |
| Gleyed: Yes No | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 25 | |
| 2. Cirsium arvense | FACU+ | 25 | 100 |
| 3. Vicia americana | NI | 45 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | Ø / 3 = | Ø % | |
| Comments: | | | |
| | Hydric Vegetation Criteria Met (Not Met) | | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) >18 | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: This site is within the area mapped as containing hydric soils. The vegetation and hydrology do not meet wetland criteria | | |
| | | Investigator(s): DS |

W7

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | |
|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W | Section 35 | F4 - 1 Sample Site # |

Meadowview Road

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Juncus effusus | FACW+ | 30 | |
| 2. Typha latifolia | OBL | 30 | ____ |
| 3. Holcus lanatus | FAC | 20 | |
| ~~Woody Vines~~ | | | |
| 1. Agrostis alba | FACW | <20 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 3 / 3 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | w/in 10' = 1/2" standing water | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surface | Depth to Water Table (in.) | > 18" |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: within 6" | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): DS | |

W7

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| Applicant Name: City of Forest Grove | SRI Project #: 91064 | Date: 7/10/91 |
|---|---|---|
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 35 | Sample Site # F4-Z |

Meadowview Road - orchard

## SOILS

| Series and Phase: Verboort s.c.l. | On Hydric Soils List: (Yes) No |
|---|---|
| Matrix Color: 10YR 3/2 — Mottled: Yes (No) | Mottle Color: |
| Gleyed: Yes (No) | Other Indicators: |
| Comments: | Hydric Soils Criteria Met (Not Met) |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Daucus carota | UPL | | |
| 2. Taraxacum officinale | FACU | | ____ |
| 3. Pasture grasses; includes Festuca arundinacea | FACU | | |
| ~~Woody Vines~~ | | | |
| 1. 4 Hieracium sp. | UPL | | |
| Woody Vine 1. Rubus discolor | FACU | 100 | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ____ / ____ = ____ %

Comments: This area has been mowed close to the ground. The mix of grasses is difficult to determine.

Hydric Vegetation Criteria Met (Not Met) Probably

## HYDROLOGY

| Inundated: Yes (No) | Depth of Standing Water (in.) | |
|---|---|---|
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | |
| | Wetland Hydrology Criteria Met (Not Met) | |

| Wetland Determination | Wetland | (Non-Wetland) NW |
|---|---|---|

Comments: We are calling this upland because the soil and hydrology do not meet the criteria, plus, the vegetation we identified was upland. The vegetation mix was not determined.

Investigator(s): DS

W8

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD "M"

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W | Section 35 | | Sample Site # F3-1 |

Dales Creek Rd between Lavina Dr + Valley Crest Way

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Melbourne s.c.l. | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3/3 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 70 | |
| 2. | | | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. Rubus discolor | FACU- | 70 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ____ / ____ = ____ %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): DS/LA | |

W10

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/11/91 |
| County & State: Washington OR | Legal Description: Township 1N Range 4W Section 36 | | Sample Site # F5-1 |

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 5Y 5/1 | Mottled: (Yes) No | Mottle Color: pale rust | |
| Gleyed: Yes No | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Alopecurus pratensis | FACW | 25 | |
| 2. Holcus lanatus | FAC | 25 | ____ |
| 3. Phalaris arundinacea | FACW | 50 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 3 / 3 = 100 %

Comments: This area is mowed.

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | | Depth of Standing Water (in.) | |
| Saturated Soils: (Yes) | No | Depth to Saturated Soil (in.) 8 | Depth to Water Table (in.) 8 |
| Active Oxidized Rhizospheres Present: (Yes) | No | Comments: many at 8" | |
| | | Wetland Hydrology Criteria (Met) | Not Met |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | | Investigator(s): DS |

W11

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/11/91 |
| County & State: Washington Co. OR | Legal Description: Township 1N | Range 4W Section 31 | Sample Site # F-7 #3 |

Pasture North of Willamina – west stream

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Amity silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: pale rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 90 | |
| 2. Juncus effusus | FACW | 10 | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 1 = 100 %

Comments:

Hydric Vegetation Criteria: (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) surface | Depth to Water Table (in.) >6" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |

Comments:

Investigator(s): FS/LA

W11

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | |
|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | Date: 7/11/91 |
| County & State: Washington Co. OR | Legal Description: Township 1N Range 4W Section 31 | Sample Site # F-7 4 |

Pasture North of Willamina - West Stream

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Amity Silt Loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: pale rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. Fraxinus latifolia | FACW | 100 | 40 |
| 2. | | | |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 80 | |
| 2. Holcus lanatus | FAC | 10 | 60 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2 / 2 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surface | Depth to Water Table (in.) >6" | |
| Active Oxidized Rhizospheres Present: Yes No | Comments: | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |

Comments:

Investigator(s): FS/LA

W11

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/25/91 |
| County & State: Washington OR | Legal Description: Township 1N Range 4W Section 31 | | Sample Site # F7-5 |

Hwy 47 and Willamina Ave.

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Amity silt loam | | On Hydric Soils List: Yes | No |
| Matrix Color: 10YR 2/1 | Mottled: (Yes) No | Mottle Color: Rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Fraxinus latifolia | FACW | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 40 | |
| 2. Holcus lanatus | FAC | 20 | ____ |
| 3. Alopecurus pratensis | FACW | 20 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 4 / 4 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: ORs throughout | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |
| Comments: wetland west side of Hwy 47 - drains NE to Council Creek | | |
| | Investigator(s): DRS/JVS | |

W12

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/2/91 |
| County & State: Washington Co. OR | Legal Description: Township 1N | Range 3W Section 31 | Sample Site # F7-1 |

Pasture north of Willamina - east stream

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Amity silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: — | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: pit not dug > 6" → dry | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |
| Herbs | | | |
| 1. Trifolium repens | FACU+ | 40 | |
| 2. Juncus bufonius | FACW+ | 20 | 100 |
| 3. Trifolium dubium | UPL | 10 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | — |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1, 2 = 50 %

Comments: mix of opportunistic forbs/grasslikes → most seem suited to nonwetland conditions

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) — | Depth to Water Table (in.) — | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: relict hydrology probable | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | N |
| Comments: Area is slightly above a drainage ditch running through area; vegetation is primarily upland. | | | |
| | | Investigator(s): FS/LA | |

W13

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W Section 36 | Sample Site # G4-1 |

Willamina Avenue + Buxton

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 5Y 4/1 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Typha latifolia | OBL | 25 | |
| 2. Phalaris arundinacea | FACW | 25 | ____ |
| 3. Holcus lanatus | FAC | 25 | |
| Woody Vines | | | |
| 1. Juncus effusus | FACW+ | 25 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 4 / 4 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surface | Depth to Water Table (in.) Surface | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | | Investigator(s): DS |

W13

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township | Range | Section | Sample Site # G4-2 |

Willamina Avenue & Buxton

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Triticum aestivum | UPL | 100 | |
| 2. | | | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: Ø / 1 = Ø %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) 7/8 | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): DS | |

W13

# Wetland Delineation Data Form

SRI Scientific Resources, Inc.

Routine Onsite Method

| | | | |
|---|---|---|---|
| Applicant: City of Forest Grove | Project #: 91064 | Date: 7/10/91 | |
| County and State: Washington, OR | Legal Description: Township ____ Range ____ Section ____ | Sample Site #: G4-3 | Investigator (s): |

## Soils

| | | | | | |
|---|---|---|---|---|---|
| Mapped Series and Phase: Verboort S.C. Loam | | | | On Hydric Soils List: ☐ No ☐ Yes | |
| Drainage Class: Poorly drained | Matrix Color: 10YR 2/2 | Mottles: ☐ No ☑ Yes | Color: Rust | | |
| Other Indicators: | | | | | |
| Comments: | | | | | |
| | | | | Hydric Soils Criteria: ☐ Not Met ☑ Met | |

## Hydrology

| | | | |
|---|---|---|---|
| Inundated: ☑ No ☐ Yes Depth (in.) | Saturated Soils: ☑ No ☐ Yes Depth (in.) | Depth to Water Table: 18" | |
| Active Oxidized Rhizospheres Present: ☐ No ☑ Yes | Comments: | | |
| | | Wetland Hydrology Criteria: ☐ Not Met ☑ Met | |

## Vegetation

| Dominant Species | FWS Indicator Status | % Cover Within Stratum | % Overall Cover of Stratum |
|---|---|---|---|
| Trees | | | |
| | | | |
| Saplings/Shrubs | | | |
| | | | |
| | | | |
| Herbs: Alopecurus pratensis | FACW | 60 | 100 |
| Agrostis alba | FACW | 20 | |
| Poa pratensis | FACU | 20 | |
| | | | |
| | | | |
| Woody Vines | | | |
| | | | |

Do Dominant OBL & FACW Exceed Dominant FACU & UPL? (Y) N – NA

% of Dominant Species (those > 20% cover) that are OBL, FACW and/or FAC: 66

Comments:

Hydrophytic Vegetation Criteria: ☐ Not Met ☑ Met

## Determination:

☐ Non-Wetland ☑ Wetland

Comments:

W13

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W Section 36 | Sample Site # G4-4 |

Willamina avenue + Burton

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/2 | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Alopecurus pratensis | FACW | 60 | |
| 2. Poa pratensis | FACW | 20 | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 2 = 50 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) >18" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: Very few ORs, most inactive | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: 20' from ditch in field | | |
| | | |
| | Investigator(s): DS | |

W14

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| Applicant Name: City of Forest Grove | SRI Project #: 91064 | Date: 7/11/91 |
|---|---|---|
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 36 | Sample Site # W6-1 |

"E" St. & 23rd

## SOILS

| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No |
|---|---|---|
| Matrix Color: 10YR 3/2 | Mottled: (Yes) No | Mottle Color: bright rust |
| Gleyed: Yes (No) | Other Indicators: | |
| Comments: | | Hydric Soils Criteria (Met) Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 100 | |
| 2. | | | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC 1 / 1 / 1 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| Inundated: Yes (No) | Depth of Standing Water (in.) | |
|---|---|---|
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) >18" |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | |
| 10" + below | Wetland Hydrology Criteria (Met) | Not Met |

| Wetland Determination | (Wetland) W | Non-Wetland |
|---|---|---|

Comments:

Investigator(s): DS/LA

W16

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/10/91 |
| County & State: Washington Co., OR | Legal Description: Township 1N | Range 3W | Section 31 | Sample Site # F8-1 |

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 7.5YR 2/2 | Mottled: (Yes) No | Mottle Color: Dark Brown | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 100 | |
| 2. | | | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | | 1 / 1 = 100 % | |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) Not Met | | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) surface | Depth to Water Table (in.) >6" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: Adjacent to ponding from ditch | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination (Wetland) W | | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): FS / LA | |

W16

UNDISTURBED SITE

ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 3W | Section 32 | | Sample Site # F8 W2 |

north end of Juniper St., south of Comail Creek

**SOILS**

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10 YR 3/1 | Mottled: (Yes) No | Mottle Color: rusty-orange | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

**VEGETATION**

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 35 | |
| 2. Holcus lanatus | FAC | 25 | 100 |
| 3. Poa pratensis | FACW | 20 | |
| ~~Woody Vines~~ | | | |
| 4. Juncus effusus | FACW | 15 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2 / 3 = 66 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

**HYDROLOGY**

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) 8" | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: Moist to surface (not saturated) | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |

Comments:

Investigator(s): FS/LA

W16

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | | Range 3W | Section 31 | Sample Site # G8/1 |

RR + 23rd.

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: dk. brown, some rust colored | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | ——— |
| 2. | | | |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | ——— |
| 2. | | | |
| 3. | | | |
| Herbs | | | |
| 1. Trifolium repens | FACU+ | 60 | |
| 2. Holcus lanatus | FAC | 20 | 100 |
| 3. Juncus bufonius | FACW+ | 10 | |
| Woody Vines | | | |
| 1. | | | ——— |
| 2. | | | |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1, 2 = 50 %

Comments: Grazing impact obvious —

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) — | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW |

Comments: Grazed pasture adjacent to shallow ditch near RR tracks. Phalaris arundinacea is dominant in ditch cutting thru pasture: otherwise close cropping favors clovers, more upland plants.

Wetland confined to ditch.

Investigator(s): FS/LA

W16

UNDISTURBED SITE

ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 3W | Section 31 | | Sample Site # G8 / 12 |

26th ave. and Juniper Street

SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s. c. l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/2 | Mottled: (Yes) No | Mottle Color: Small, rust colored | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ___ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ___ |
| 3. | | | |
| Herbs | | | |
| 1. mowed grass — no ID | — | — | |
| 2. | | | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ___ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ___ / ___ = ___ %

Comments: no infl. present — drained pastureland of close-cropped grasses

Hydric Vegetation Criteria Met (Not Met)

HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) — | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) — | Depth to Water Table (in.) >18" | |
| Active Oxidized Rhizospheres Present: Few (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: Hydric soil present — lacks hydrology + hydrophytic veg. Site is adjacent to storm runoff ditch (field drained) Site in pasture SW of Juniper + 26th ave. | | |
| | Investigator(s): FS/LA | |

W16

UNDISTURBED SITE

ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 3W | Section 31 | | Sample Site # H-7 / 1 |

along RR tracks west of Hawthorne

SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: rust-colored | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: 1"-2" of duff on top<br>Black chunks (charcoal?) present | | Hydric Soils Criteria (Met) | Not Met |

VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 80 | |
| 2. | | | 100 |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | / | = 100 | % |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) | | Not Met |

HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) — | Depth to Water Table (in.) >16" (not reached) | |
| Active Oxidized Rhizospheres Present: w/Living roots (Yes) No | Comments: moist throughout but not saturated | | |
| | Wetland Hydrology Criteria (Met) | | Not Met |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |
| Comments: Area adjoining deeply incised (>5' deep) ditch, near RR tracks | | |
| | | |
| | | Investigator(s): FS/LA |

W18

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| Applicant Name: City of Forest Grove | SRI Project #: 91064 | Date: 7/15/91 |
|---|---|---|
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 5 | Sample Site # H9 1 |

ditches - Pacific + Quince

## SOILS

| Series and Phase: Woodburn silt loam | On Hydric Soils List: Yes (No) | |
|---|---|---|
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: pale brown |
| Gleyed: Yes (No) | Other Indicators: | |
| Comments: (Original drainage) Southern portion of area is Huberly silt loam (hydric soil) | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Phleum pratense | FACW | | |
| 2. Poa pratensis | FACW+ | | ——— |
| 3. Holcus lanatus | FAC | | |
| Woody Vines | | | |
| 1. Festuca arundinacea | FACW- | | |
| * 2. Typha latifolia (in ditch) | OBL | — | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ____ / ____ = ____ %

Comments: wetland vegetation primarily w/in ditch

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| Inundated: Yes (No) | Depth of Standing Water (in.) | |
|---|---|---|
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | |
| | Wetland Hydrology Criteria Met | (Not Met) |

| Wetland Determination | Wetland | Non-Wetland NW |
|---|---|---|

Comments: Ditch 3-4' wide, 2-3' below surface of field + road, (storm ditches on north, west, east and across southern portion of field)

Investigator(s): LA/DS

W19

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/25/91 |
| County & State: Washington OR | Legal Description: Township 1N Range 4W Section 36 | | Sample Site # J61 |

Ash Street and 13th Avenue

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: McBee silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3.5/1 | Mottled: (Yes) No | Mottle Color: Rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 95 | |
| 2. Rumex crispus | FACW | < 5 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 1 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: many ORs throughout | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) | Non-Wetland |

Comments:

Investigator(s): JVS/DRS

W20

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | Date: 7/15/91 | |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5/6 | Sample Site # J8 9 | |

Larch + Hwy 8

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Aloha silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: Strong rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Fraxinus latifolia | FACW | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Holcus lanatus | FAC | 50 | |
| 2. Juncus effusus | FACW+ | 20 | ____ |
| 3. Agropyron spicatum | FACU | 20 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 3 / 4 | = 75 | % |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) | Not Met | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) 14-16" | Depth to Water Table (in.) >18 | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: Wetland at south end of ditch at Larch + Hwy 8. | | |
| | | |
| | | |
| | Investigator(s): DS/LA | |

W20

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 6 | | Sample Site # J8 10 |

Larch & Hwy 8 – field adjacent to wetland

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Aloha silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: pale rust mottles | |
| Gleyed: Yes (No) | Other Indicators: None found | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Avena sativa | UPL | 80 | |
| 2. Anthemis cotula | FACU | 20 | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0, 2 = 0 %

Comments:

Hydric Vegetation Criteria: Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: few, faint | | |
| | Wetland Hydrology Criteria: Met (Not Met) | | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | NW |
| Comments: tilled field – mowed | | | |
| | | | |
| | | Investigator(s): | DS/LA |

W20

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 6 | | J8 Sample Site # 11 |

Crescent Dr & 13th - west end of field

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 2/1 | Mottled: (Yes) No | Mottle Color: Rich rust | |
| Gleyed: (Yes) No | Other Indicators: None found | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Agrostis stolonifera | FAC+ | 45 | |
| 2. Holcus lanatus | FAC | 45 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC ____ / ____ = ____ %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | | |
|---|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: Organic, mottles vertical transport | | | |
| | Wetland Hydrology Criteria (Met) | Not Met | | |

| | | | |
|---|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland | |
| Comments: west end of field - ditch at cul-de-sac | | | |
| | | | |
| | | | |
| | | Investigator(s): DS/LA | |

W21

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | Date: 7/15/91 | |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5 | Sample Site # I9 4 | |

Swale S of RR @ 16th + Fir

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 2/1 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: None found | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Trifolium repens | FACU+ | 20 | |
| 2. Trifolium pratens | FACU | 20 | ____ |
| 3. Festuca arundinacea | FACU- | 20 | |
| Woody Vines | | | |
| 1. Hypochaeris radicata | UPL | 20 | |
| 2. Holcus lanatus | FAC | <10 | ____ |
| 3. Daucus carota | UPL | <10 | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0 / 4 = 0 %

Comments:

Hydric Vegetation Criteria: Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: w/in 8" | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW |
| Comments: North of Tektronix buildings | | |
| | | |
| | | |
| | Investigator(s): DS/LA | |

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 5 | | Sample Site # 5 |

N. of Tek. plant - 16th & Fir - swale

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR3/2 - 2/2 | Mottled: (Yes) No | Mottle Color: pale brown | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 65 | |
| 2. Alopecurus pratensis | FACW | 35 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2, 2 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) 7/8 | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met | (Not Met) | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | NW |

Comments: Swale runs from RR toward southwest, connecting at roadway & ditch.
Equisetum sp. along tracks.

Investigator(s): DS/LA

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | Date: 7/16/91 | |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5 | J9 Sample Site # 1 | |

east side of stream-Fern Hill east of USA facility

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 4/3-4/4 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 20 | |
| 2. Poa pratensis | FACU+ | 10 | ____ |
| 3. Holcus lanatus | FAC | 20 | |
| Woody Vines | | | |
| 1. Festuca arundinacea | FACU- | 20 | |
| 2. Alopecurus pratensis | FACW | 15 | ____ |
| 3. Dactylis glomerata | FACU | 15 | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0, 2 = 0 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) >18 | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW |

Comments:

Investigator(s): DS/LA

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/16/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 5 | | J9 Sample Site # 2 |

east side stream, east of USA

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: Strong rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 90 | |
| 2. Alopecurus pratensis | FACW | 10 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 1 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) 8 10" | Depth to Water Table (in.) 10-12" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: OR throughout profile | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: site due west from fenceline & sample plot #1 | | |
| 4' lower in elev. w/in flood plain | | |
| | | Investigator(s): DS/CA |

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5 | Sample Site # J9 3 |

field n. of Tek plant - 16th + Fir

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 5YR 4/1 | Mottled: (Yes) No | Mottle Color: pale brn, rust mottles | |
| Gleyed: (Yes) No | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Salix sp. | at least FAC | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Typha latifolia | OBL | 25 | |
| 2. Phalaris arundinacea | FACW | 25 | ____ |
| 3. Juncus effusus | FACW+ | 25 | |
| Woody Vines | | | |
| 1. Veronica Americana | OBL | 20 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 5, 5 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: None found | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

Wetland Determination: (Wetland) / Non-Wetland — W

Comments:

Investigator(s): LA / DS

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| Applicant Name: City of Forest Grove | SRI Project #: 91064 | Date: 7/15/91 |
|---|---|---|
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 5 | J9 Sample Site # 6 |

Swale + ditch S. of Tek entry road

## SOILS

| Series and Phase: Verboort silty clay loam | On Hydric Soils List: (Yes) No |
|---|---|
| Matrix Color: 10YR 3/2-2/2 Mottled: (Yes) No | Mottle Color: pale brown |
| Gleyed: Yes (No) | Other Indicators: |
| Comments: | Hydric Soils Criteria (Met) Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Salix sp. | at least FAC | 30 | |
| 2. Fraxinus latifolia | FACW | 30 | ——— |
| 3. Crataegus douglasii | FAC | 30 | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 60 | |
| 2. Juncus effusus | FACW+ | 20 | ——— |
| 3. Typha latifolia | OBL | 20 | |
| Woody Vines | | | |
| 1. Solanum dulcamara | FAC | 100 | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 7 / 7 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| Inundated: Yes (No) | Depth of Standing Water (in.) | |
|---|---|---|
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) 7/8 |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | |
| | Wetland Hydrology Criteria (Met) Not Met | |

| Wetland Determination | (Wetland) W | Non-Wetland |
|---|---|---|

Comments:

Investigator(s): DS/LA

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 5 | | Sample Site # J9 7 |

S. of TekEntry road, west of ditch, nof fenc

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/2 | Mottled: (Yes) No | Mottle Color: pale brown | |
| Gleyed: Yes (No) | Other Indicators: None found | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Holcus lanatus | FAC | 20 | |
| 2. Festuca arundinacea | FACU- | 60 | ——— |
| 3. Hieracium sp. | UPL | 10 | |
| ~~Woody Vines~~ | | | |
| 1. Trifolium repens | FACU+ | <10 | |
| 2. Ranunculus repens | FACW | <10 | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 2 = 50 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW |

Comments:

Investigator(s): DS/LA

W21

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5 | | Sample Site # J9 8 |

USA prop: s. of fence line, n. of dirt rd.

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 2/1 | Mottled: (Yes) No | Mottle Color: strong rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 40 | |
| 2. Agrostis alba | FACW | 20 | ——— |
| 3. Juncus effusus | FACW+ | 30 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 3 / 3 = 100 % | | |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) Not Met | | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) 6" | Depth to Water Table (in.) 12 | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: Sulfidic smell | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination | (Wetland) W | Non-Wetland |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): DS/LA | |

W21

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/16/91 |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5 | | Sample Site # K9 3 |

east side stream - east of USA

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: strong rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 20 | |
| 2. Holcus lanatus | FAC | 10 | ____ |
| 3. Lotus corniculatus | FAC | 10 | |
| ~~Woody Vines~~ | | | |
| 1. Juncus effusus | FACW+ | 10 | |
| 2. Alopecurus pratensis | FACW | 35 | ____ |
| 3. Ranunculus repens | FACW | 5 | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 3 / 3 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) surface | Depth to Water Table (in.) 4" | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: | | |
| | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | Wetland W | Non-Wetland |

Comments: site further south toward trees which trend southeast (stream turns SE ward) - in swale coming from higher ground to east.

Investigator(s): DS/LA

W21

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/16/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 5 | | Sample Site # K9 4 |

east side stream, east of USA

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes / (No) | |
| Matrix Color: 10YR 3/2 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Holcus lanatus | FAC | 30 | |
| 2. Lolium multiflorum | UPL | 30 | ____ |
| 3. Alopecuris pratensis | FACW | 10 | |
| ~~Woody Vines~~ | | | |
| 1. Poa pratensis | FACW+ | <10 | |
| 2. Cirsium vulgare | FACU | <10 | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 1 / 2 = 50 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | NW |

Comments:

Investigator(s): DS/LA

W21

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | | Date: 7/16/91 | |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 5 | K9 Sample Site # 5 | |

west side stream - east of USA pond

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Woodburn silt loam | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 7.5YR 3/3 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Alopecurus pratensis | FACW | 35 | |
| 2. Holcus lanatus | FAC | 20 | ____ |
| 3. Lolium multiflorum | UPL | 20 | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 2 , 3 = 66 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) 7 1/8 | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW | |
| Comments: | | | |
| | | | |
| | | | |
| | | Investigator(s): DS/LA | |

W23

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | | | |
|---|---|---|---|---|---|
| Applicant Name: City of Forest Grove | | | SRI Project #: 91064 | | Date: 7/11/91 |
| County & State: Washington, OR | Legal Description: Township 1S | Range 3W | Section 6/7 | | Sample Site # K7-1 |

Elm street & Hwy 8

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Chehalis S.C.L. | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 3/1 | Mottled: (Yes) No | Mottle Color: strong dk. rust | |
| Gleyed: Yes (No) | Other Indicators: None found | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Juncus effusus | 10 | | |
| 2. Phalaris arundinacea | 90 | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 1 / 1 / 1 = 100 % | | |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) | Not Met | |

## HYDROLOGY

| | | | | |
|---|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | | |
| Saturated Soils: (Yes) | No | Depth to Saturated Soil (in.) 6" | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) | No | Comments: distinct | | |
| | | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | Wetland W | Non-Wetland |
| Comments: South of log ponds - area drains ponds into Dales Creek. | | |
| | | Investigator(s): LA/DS |

W24

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 6 | | J8 Sample Site # 12 |

East of lumbermens, S. of RR + Hwy 8

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) | No |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: pale brown | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) | Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. Populus balsamifera | FAC | 50 | |
| 2. Salix sp. | at least FAC | 50 | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Salix sp | at least FAC | 30 | |
| 2. Fraxinus latifolia | FACW | 30 | ____ |
| 3. Cornus stolonifera | FACW | 30 | |
| Herbs | | | |
| 1. Carex sp | at least FAC | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 6 / 6 = 100 %

Comments:

Hydric Vegetation Criteria (Met) Not Met

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: High water mark, | | |
| Water stained leaves | Wetland Hydrology Criteria (Met) | Not Met | |

| | | |
|---|---|---|
| Wetland Determination | Wetland W | Non-Wetland |
| Comments: Between RR tracks + Hwy 8 | | |
| | | |
| | | |
| | Investigator(s): DS/LA | |

W24

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/15/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 3W Section 6 | | J8 Sample Site # 13 |

West of Fern Hill, S of Hwy 8

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR3/1, 2.5 IN4/ | Mottled: (Yes) No | Mottle Color: rust | |
| Gleyed: (Yes) No | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. Fraxinus latifolia | FACW | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Fraxinus latifolia | FACW | 50 | |
| 2. Cornus stolonifera | FACW | 50 | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Phalaris arundinacea | FACW | 90 | |
| 2. Solanum dulcamara | FAC | <10 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | 4 / 4 = 100 % | | |
| Comments: | | | |
| | Hydric Vegetation Criteria (Met) Not Met | | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) 1-2' from standing water | | |
| Saturated Soils: (Yes) No | Depth to Saturated Soil (in.) Surface | Depth to Water Table (in.) 2" | |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria (Met) Not Met | | |

| | | |
|---|---|---|
| Wetland Determination (Wetland) W | | Non-Wetland |
| Comments: Between RR tracks & Hwy 8 | | |
| | | |
| | Investigator(s): DS LA | |

NW

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/11/91 |
| County & State: Washington, OR | Legal Description: Township 1S Range 4W Section 1 | | Sample Site # I6-1 |

Pitchey Rd - farm on Gales Creek

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Wapato S.C.L. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 7.5YR3/3 | Mottled: Yes (No) | Mottle Color: | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met | (Not Met) |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. Malus sp. (not fusca) | UPL | 100 | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Dactylis glomerata | FACU | 50 | |
| 2. Avena sativa | UPL | 50 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. Rubus discolor | FACU | 70 | |
| 2. Solanum dulcamara | FAC | 10 | ____ |
| 3. | | | |
| % of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC | Ø, 4 | = 100 | % |
| Comments: | | | |
| | Hydric Vegetation Criteria Met | (Not Met) | |

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met | (Not Met) | |

| | | | |
|---|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) | NW |
| Comments: | | | |
| | | | |
| | | Investigator(s): | DS/LA |

NW

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 36 | | Sample Site # FS-2 |

east side Thatcher @ waterrest

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: mapped as Woodburn silt clay loam, 0 to 3 percent slopes | | On Hydric Soils List: Yes (No) | |
| Matrix Color: 10YR 4/3 | Mottled: (Yes) No | Mottle Color: pale rust | |
| Gleyed: Yes (No) | Other Indicators: | | |
| Comments: | | Hydric Soils Criteria Met (Not Met) | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ____ |
| 3. | | | |
| Herbs | | | |
| 1. Vicia americana | NI | 45 | |
| 2. Avena sativa | UPL | 20 | ____ |
| 3. | | | |
| Woody Vines | | | |
| 1. Rubus discolor | FACU- | 90 | |
| 2. | | | ____ |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0 / 3 = 0 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | >18 |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | | |
| | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: | | |
| | | |
| | | |
| | Investigator(s): DS | |

NW

# UNDISTURBED SITE — ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | SRI Project #: 91064 | | Date: 7/10/91 |
| County & State: Washington, OR | Legal Description: Township 1N | Range 4W | Section 36 | Sample Site # FS-3 |

Thatcher Road + Nichols Lane

## SOILS

| | | | |
|---|---|---|---|
| Series and Phase: Verboort s.c.l. | | On Hydric Soils List: (Yes) No | |
| Matrix Color: 10YR 3/2 | Mottled: (Yes) No | Mottle Color: pale rust | |
| Gleyed: Yes (No) | Other Indicators: cultivated layer to 8" | | |
| Comments: Weakly rust | | Hydric Soils Criteria (Met) Not Met | |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Saplings/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Vicia americana | NI | 100 | |
| 2. | | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0 / 1 = 0 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | | |
|---|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) | |
| Active Oxidized Rhizospheres Present: (Yes) No | Comments: Some ORs in top 3" most below 8" | | |
| ORs present but weak. | Wetland Hydrology Criteria Met (Not Met) | | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) |
| Comments: Vetch field | | |
| | | |
| | | Investigator(s): DS |

NW

# UNDISTURBED SITE

# ROUTINE ONSITE METHOD

| | | | |
|---|---|---|---|
| Applicant Name: City of Forest Grove | | SRI Project #: 91064 | Date: 7/11/91 |
| County & State: Washington, OR | Legal Description: Township 1N Range 4W Section 36 | | Sample Site # F5-4 |

Nichols Rd - South of H.S.

## SOILS

| | | |
|---|---|---|
| Series and Phase: Verboort S.C.L. | | On Hydric Soils List: (Yes) No |
| Matrix Color: 10YR 2/2 | Mottled: (Yes) No | Mottle Color: dk brown, weak |
| Gleyed: Yes (No) | Other Indicators: below 12" 10YR 2/1 | |
| Comments: | | Hydric Soils Criteria (Met) Not Met |

## VEGETATION

| DOMINANT SPECIES | FWS INDICATOR STATUS | % COVER WITHIN STRATUM | % OVERALL COVER OF STRATUM |
|---|---|---|---|
| Trees | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Sapling/Shrubs | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |
| Herbs | | | |
| 1. Vicia americana | NI | 100 | |
| 2. | | | ——— |
| 3. | | | |
| Woody Vines | | | |
| 1. | | | |
| 2. | | | ——— |
| 3. | | | |

% of Dominant Species (those >20% cover) that are OBL, FACW, and/or FAC: 0 / 1 = 100 %

Comments:

Hydric Vegetation Criteria Met (Not Met)

## HYDROLOGY

| | | |
|---|---|---|
| Inundated: Yes (No) | Depth of Standing Water (in.) | |
| Saturated Soils: Yes (No) | Depth to Saturated Soil (in.) | Depth to Water Table (in.) |
| Active Oxidized Rhizospheres Present: Yes (No) | Comments: | |
| | Wetland Hydrology Criteria Met (Not Met) | |

| | | |
|---|---|---|
| Wetland Determination | Wetland | (Non-Wetland) NW |

Comments:

Investigator(s): DS | LA